

# P r o s p e c t u s

GLENDALÉ RESOURCE AREA  
JOSEPHINE MASTER UNIT

Medford Sale # OR110-TS 11-07  
April 28, 2011 (SQF)

#1. Elk Valley Roadway, Douglas County, O&C, PD

BID DEPOSIT REQUIRED: \$7,400.00

All timber designated for cutting in Lot 1, 2, 4, 5, 7, 8, 9, 10, 11, 12, S½NE¼, N½SE¼, SW¼SE¼ Section 19, W½NE¼, NW¼, N½SW¼, SE¼SW¼, W½SE¼ Section 29, Lot 11 Section 30, Lot 1, 2, 3, 5, 6, 7, 8, 9, 10, W½NE¼, SE¼ Section 31, NW¼NW¼ Section 33, T. 31S., R. 8W. N½NE¼, E½SW¼, SW¼SE¼ Section 21, N½, N½SW¼, SW¼SW¼, SE¼ Section 23, N½, N½SW¼, SE¼SW¼, SE¼ Section 25, N½NW¼, SW¼NW¼, E½SE¼ Section 27, SE¼NE¼ Section 35, T. 31S., R. 9W. 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
6,572	476	1,141	Douglas-fir	582	\$121.90	\$70,945.80
291	19	50	Ponderosa Pine	26	**\$23.70	\$616.20
372	20	49	White Fir	24	\$71.30	\$1,711.20
146	5	12	Incense-cedar	6	\$87.00	\$522.00
7,381	520	1,252	<b>Totals</b>	638		\$73,795.20

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

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

**TIMBER AUCTION LOCATION** – The timber auction will be held at the Grants Pass Inter-agency Office, located at 2164 NE Spalding Ave. Grants Pass, Oregon, at 9 a.m. on Thursday, April 28, 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 Medford District 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. With respect to merchantable trees of all conifer species: the average tree is 11.7 inches DBHOB; the average gross merchantable log contains 37 bd. ft.; the total gross volume is

approximately 681 M bd. ft; and 94% recovery is expected. (Average DF is 11.8 inches DBHOB; average gross merchantable log DF contains 37 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 under 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 – Twenty three (23) right-of-way units containing seventy four (74) acres of roadway clearing.

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

ACCESS - Access to the sale area is available via an existing BLM road; via Right-of-Way and Road Use Agreement M-605 with Plum Creek Timberlands, LP.; via Right-of-Way and Road Use Agreement M-700 with Roseburg Resources, Co.; and via Right-of-Way and Road Use Agreement M-868B with Fruit Growers. Among other conditions, agreement M-605 requires payment of a road maintenance and surface replacement fee of \$2,005.67 and completion of an agreement between the Purchaser and Permittee. Among other conditions, agreements M-700 and M-868B require completion of an agreement between the Purchaser and Permittee.

ROAD MAINTENANCE - The Purchaser will be required to maintain all of the roads which he constructs plus 30.55 miles of existing BLM and private roads. BLM will maintain the 32-8-1.01A, 32-8-1.01B1, 32-8-1.01B2, 32-8-1.01C, 33-7-2.00A, and 33-7-2.00C roads. The Purchaser will be required to pay a maintenance fee of \$8,791.07 for the use of these roads. The Purchaser will be required to pay a total maintenance and rockwear fee of \$7,192.70 for the use of roads 31-8-19.00, 31-8-30.00A1, 31-8-30.00A2, 31-8-31.01A1, 31-8-31.01A2, 31-8-31.01B, 31-8-31.02A, 31-8-31.02C, 31-8-31.03, 31-9-21.00B, 31-9-23.00, 31-9-23.01, 31-9-23.02, 31-9-23.03, 31-9-25.00, 31-9-25.01A, 31-9-25.01C, 31-9-25.01E, 31-9-25.02, 31-9-25.03A, 31-9-25.03B, 31-9-25.04, 31-9-25.05, 31-9-26.00B, 31-9-27.00A, 31-9-36.00A, 31-8-1.01D1, and 32-8-4.00.

ROAD CONSTRUCTION – The contract will require the Purchaser to improve 109.77 stations of road. Additional information is available in the timber sale prospectus.

SOIL DAMAGE PREVENTION - Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall not operate or cause to have operated on the contract area in all Units (except portions of Units 31-9-23, 31-9-23.1, 31-9-25.4, 32-8-4 as shown on Exhibit A) between October 15<sup>th</sup> of one calendar year and May 15<sup>th</sup> 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.

EQUIPMENT REQUIREMENTS – Ability to fully suspend logs during inhaul. Capable of cutting

and processing trees up to twenty four (24) inches at diameter breast height. Capable of reaching and cutting vegetation up to fifteen (15) feet slope distance from road surface. Ability to masticate vegetation from the edge of the road to the blue mark (cut tree) line or ten (10) feet slope distance, whichever is greater if needed. Ability to grind or remove selected stumps remaining on the road surface.

BIOMASS – The harvest treatments will create approximately eight hundred thirty (830) tons of biomass material. Approximately forty four (44) percent or three hundred seventy (370) tons of this biomass material will come from the tops of trees and be of pulp quality. This biomass material will be sold at a price of \$0.10/ton which added \$0.14 to the stumpage price of the Douglas-fir.

SLASH DISPOSAL - Cut vegetation created from the roadway treatment will be removed as pulp logs and/or dirt-free biomass. Any remaining vegetation will be scattered to a maximum depth of one (1) foot vertical height. Alternatively, other methods may be used to treat vegetation by prior written agreement with the Authorized Officer.

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

1. Comply with the Endangered Species Act, or;
2. Comply with a court order, or;
3. Protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan (RMP), or;
4. Protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP.”

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

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

OTHER -

1. No extension of time beyond the normal thirty (30) days will be granted for completing bonding and contract signing requirements.
2. In the harvest units, all trees designated for cutting which are within fifteen (15) feet of the road shall be felled within the road prism.
3. All harvest units shall be treated with the roadway daylighting specifications found in Exhibit C-9 of this contract. The roadway daylighting treatment shall follow the blue mark (cut tree) line within the harvest units or shall extend ten (10) feet slope distance from the edge of the road surface, whichever is greater. Following is a summary of these roadway daylighting specifications: On the roadway running surface and in areas designated as B and D in Exhibit C-6, all vegetation shall be cut to a maximum height of one (1) inch above the ground, and cuts shall be parallel to the ground line or running surface and sharp pointed ends will not be permitted in these areas. In areas designated as C and E of Exhibit C-6, all vegetation shall be cut to a maximum height of twelve (12) inches above the ground.
4. Conifer tops and limbs, hardwoods, and brush resulting from daylighting operations shall be removed as pulp logs and/or dirt-free biomass. Any remaining vegetative debris shall be scattered to a maximum depth of one (1) foot vertical height in a discontinuous pattern over fill slopes into the forest stands. No debris will be allowed within roadways, drainage ditches, or within channel bottoms or streams.






5. All stumps designated by the Authorized Officer and that would interfere with normal Motor Patrol Blading within the ditchline and road surface (including turnouts) shall be removed. Stumps seven (7) inches and less shall be removed in such a way as to not cause damage to drainage ditch or road. Stumps larger than seven (7) inches shall be ground down to a minimum of three (3) inches below ground or road surfacing level, unless a prior written agreement is in place with the Authorized Officer.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA – From I-5 take Glendale Exit 80, proceed down Glendale Valley Road (Hwy. 313) toward Glendale. Turn right onto Azalea-Glen Road, then turn left onto Reuben Road (Hwy. 27). Proceed for 15 miles and take a left onto Cow Creek Road. Follow Cow Creek Road for 0.2 miles and turn left onto West Fork Road, which will become BLM Road #32-8-1.1. All units can be accessed from BLM Road #32-8-1.1.

ENVIRONMENTAL ASSESSMENT - A Categorical Exclusion Review (DOI-BLM-OR-M080-2010-0006-CX) was prepared for this sale, and it was determined that the proposed action is in accordance with the approved land use plan. This document is available for inspection as background for this sale at the Grants Pass Interagency Office.



OR110-TS11-07

	<b>Restricted Period (terms and conditions of Marbled Murrelet consultation)</b>
	<b>Restricted To Dry Condition</b>
	<b>Restricted To Dry Condition, Waiver Required</b>
	<b>Restricted Unless Cleared By BLM Spotted Owl Surveys</b>
	<b>Restricted To Operating 2 Hours After Sunrise to 2 Hourse Before Sunset (terms and conditions of Marbled Murrelet consultation)</b>

\* Operations will be suspended if unacceptable damage to residual trees occur.

**\*\*Dry Condition Operations=** Operations 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.

\*\*\*See Exhibit A for portion of Unit in which restriction applies

Restricted Unless Cleared by BLM Spotted Owl Surveys= Operations will be restricted unless it can be shown from spotted owl protocol surveys conducted by the BLM in accordance with accepted standards that the spotted owl sites are not occupied, non-nesting, or failed in their nesting attempt

[illegible]

ELK VALLEY ROADWAY TIMBER SALE  
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 DISTRICT OFFICE.

Section 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.

- (A) AR-2 All timber on the Reserve Area(s) shown on Exhibit A and all trees marked with a blaze and/or a combination of orange paint, orange flagging, and/or posters which are on or mark the boundaries of the Reserve Area(s), except approximately six thousand five hundred seventy two (6,572) Douglas-fir trees, two hundred ninety one (291) ponderosa pine trees, three hundred seventy two (372) white fir trees, and one hundred forty six (146) Incense-cedar trees marked for cutting heretofore by the Government with blue paint above and below stump height in harvest units as shown on Exhibit A.

## 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 (8-3/4) inches in thickness; (3) split or round bolts or other roundwood not processed to standards or specifications suitable for end product uses; or (4) western red cedar lumber which does not meet lumber of American 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 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 remanufacturing of eight and three quarters (8-3/4) inches in thickness or less; or (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:

1. Date of last export sale.
2. Volume of timber contained in last export sale.
3. Volume of timber exported in the past twelve (12) months from the date of last export sale.
4. Volume of Federal timber purchased in the past twelve (12) months from the date of last export sale.
5. Volume of timber exported in succeeding twelve (12) months from date of last export sale.
6. 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 "Certificate as to Nonsubstitution and the Domestic Processing of Timber." The original of such certificate 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 the 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 ten (10) inches, prior to the removal of timber from the contract area. All loads of eleven (11) logs or more will have a minimum of ten (10) logs clearly and legibly branded on one end regardless of the diameter of the logs. All logs will be branded on loads of ten (10) logs or less. One end of all branded logs to be processed domestically will be marked with a three (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.

(B) Logging

- (1) L-1 Before beginning operations on the contract area for the first time or after a shutdown of seven (7) or more days, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. This written notification must be received by the Authorized Officer no less than seven (7) days prior to the date the Purchaser plans to begin or resume operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of (7) or more days.
- (2) L-3 All vegetation designated for cutting outside of the ditchline and road bed surface shall be cut so that the resulting stumps shall not be higher than twelve (12) inches measured from the ground on the uphill side of the trees.
- (3) L-3 All vegetation designated for cutting within the ditchline and road bed surface including turnouts that would interfere with normal motor patrol blading shall be removed or ground down to a minimum of three (3) inches below ground or road surfacing level as described in Exhibit C-9, unless a prior written agreement is in place with the Authorized Officer.
- (4) L-3 All vegetation within the road bed surface including turnouts and the inside portion of the ditchline shall be cut down to one (1) inch vertical height.
- (5) L-4 All vegetation greater than one (1) foot tall and not reserved shall be felled or masticated in the roadway clearing harvest units shown on Exhibit A. All trees required to be cut shall be felled concurrently.
- (6) L-5 All vegetation greater than one (1) foot tall that follows the blue mark cut tree line within harvest units or is within ten (10) feet slope distance from the edge of the road (whichever distance is greater) shall be felled concurrently with trees designated for cutting in roadway clearing harvest units shown on Exhibit A.
- (7) 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
Units 31-8-19, 31-8-30, 31-8-31, 31-8-31.1, 31-8-31.2, 31-8-31.3, 31-9-21, 31-9-22, 31-9-23, 31-9-23.1, 31-9-23.2, 31-9-23.3, 31-9-25, 31-9-25.1, 31-9-25.2, 31-9-25.3, 31-9-25.4, 31-9-25.5, 31-9-26, 31-9-27, 31-9-36, 32-8-1.1, 32-8-4	<p>Mechanical felling required.</p> <p>Yarding will be done with a system which will fully suspend both ends of the log clear of the ground during inhaul.</p> <p>Landings will be located along existing roads. No landing creation or expansion shall occur without prior approval from the Authorized Officer.</p> <p>Conifer tops and limbs, hardwoods, brush and other cut vegetation created from the roadway clearing treatment will be removed as dirt-free biomass and/or pulp logs. Any remaining vegetation will be discontinuously scattered to a maximum depth of one (1) foot vertical height over fill slopes. Alternatively, other methods may be used to treat vegetation by prior written agreement with the Contracting Officer.</p> <p>All mechanized equipment will only operate on existing road surfaces.</p>

- (8) L-11 No landing shall be located outside of the harvest units which are marked with combination of orange paint, orange flagging, and/or posters shown on Exhibit A.
- (9) L-18 No loading or hauling activities shall be conducted on the contract area between October 15<sup>th</sup> of one calendar year and May 15<sup>th</sup> 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-18 No falling, bucking, yarding, or road maintenance operations shall be conducted in all harvest units (except portions of Units 31-9-21, 31-9-23, 31-9-23.1, 31-9-23.3, and 31-9-25.4 as shown on Exhibit A) between October 15<sup>th</sup> of

one calendar year and May 15<sup>th</sup> 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.

- (11) L-18 No logging operations two (2) hours before sunset through two (2) hours before sunrise in Units 31-9-27 and 32-8-1.1 shall be conducted from August 6 to September 15 of each year both days inclusive. This restriction is required to meet the terms and conditions of the Marbled Murrelet consultation.
- (12) L-18 No activities that produce loud noises above ambient levels, including tree felling, yarding, road maintenance, and hauling on roads not generally used by the public within Units 31-9-27 and 32-8-1.1 shall be conducted from April 1 to August 5 of each year both days inclusive. This restriction is required to meet the terms and conditions of the Marbled Murrelet consultation.
- (13) L-18a No activities that produce loud noises above ambient levels, including tree felling, yarding, road maintenance, prescribed burning, and hauling on roads not generally used by the public, within one hundred ninety five (195) feet of any documented or suspected northern spotted owl site shall be conducted from March 1 to June 30 of each year both days inclusive. This restriction will not apply if it can be shown from northern spotted owl protocol surveys conducted by the Bureau of Land Management in accordance with accepted standards that the spotted owl site is not occupied, non-nesting, or failed in their nesting attempt.
- (14) L-20 During logging operations, the Purchaser shall keep all roads, where it passes through the contract area, clear of trees, rock, dirt, and other debris so far as is practicable. The road shall not be blocked by such operations for more than twenty (20) minutes.
- (15) L-23 Prior to the commencement of operations, the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A prework conference between the Purchaser's authorized representative and the Authorized Officer's representative must be held at a location designated by the

Authorized Officer before the logging plan will be approved. All logging shall be done in accordance with the plan developed by this provision.

- (16) L-27 In the harvest units shown on Exhibit A, all trees designated for cutting which are within a maximum of fifteen (15) feet slope distance of the edge of the road surface or centerline of the ditch shall be felled within the road prism.
- (12) 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 contract area which is hazardous to workers, or severely damaged from the normal conduct of felling or yarding operations 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 paint (color to be determined at the pre-work meeting) so that the stump can be visually located from a distance of not less than one hundred (100) 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.
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 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, improve and/or renovate all roads and other structures in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.
- (2) RC-1b Prior to removal of any timber, except right-of-way timber, the Purchaser shall complete all construction, improvement, or renovation of structures on road No. 31-8-30.00 as specified in Exhibit C.
- (3) RC-1d The Purchaser shall not commence work on road renovation until receiving written notice to do so from the Authorized Officer or as specified in Exhibit C. Work shall be commenced no later than 3 days after such notice, and shall be completed within 5 months after such notice.
- (4) 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 and/or the hauling of rock as required in Exhibit C, provided that the Purchaser pay the required maintenance obligations described in Section 41(C)(7) of this contract. The Purchaser shall pay current Bureau of Land Management maintenance fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
32-8-1.01A	2.40	BLM	BST
32-8-1.01B1	1.44	BLM	BST
32-8-1.01B2	3.49	BLM	BST
32-8-1.01C	2.90	BLM	BST
33-7-2.00A	8.49	BLM	BST
33-7-2.00C	2.47	BLM	BST
TOTAL	21.19		

- (5) 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 and/or the hauling of rock as required in Exhibit C, provided that the Purchaser comply with the conditions set forth in Section 41(C)(9) and pay the required rockwear obligation described in Section 41(C)(8). The Purchaser shall pay current Bureau of Land Management rockwear fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
31-8-19.00	1.09	BLM	GRR
31-8-30.00A1	0.21	BLM	NAT
31-8-30.00A2	2.01	BLM	GRR
31-8-31.01A1,A2	3.29	BLM	ASC
31-8-31.01B	0.30	BLM	PRR
31-8-31.02A	1.89	BLM	ASC
31-8-31.02C	0.15	BLM	NAT
31-8-31.03	1.00	BLM	PRR
31-9-21.00B	0.85	BLM	PRR
31-9-23.00	1.06	BLM	PRR
31-9-23.01	0.62	BLM	PRR
31-9-23.02	0.68	BLM	PRR
31-9-23.03	0.40	BLM	PRR
31-9-25.00	1.06	BLM	PRR
31-9-25.01A	1.14	BLM	PRR
31-9-25.01C	0.30	BLM	NAT
31-9-25.01E	0.60	BLM	NAT

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
31-9-25.02	0.45	BLM	NAT
31-9-25.03A	0.28	BLM	GRR
31-9-25.03B	1.25	BLM	GRR
31-9-25.04	0.19	BLM	NAT
31-9-25.05	0.64	BLM	PRR
31-9-26.00B	1.65	BLM	GRR
31-9-27.00A	1.34	BLM	ASC
31-9-36.00A	1.56	BLM	PRR
32-8-1.01D1	1.00	BLM	ASC
32-8-4.00	5.54	BLM	ASC
TOTAL	30.55		

- (6) RC-2b With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users of the roads included in Section 41(C)(5) of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of 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.
- (7) RC-2c **The Purchaser shall pay the Government a road maintenance obligation in the amount of *eight thousand seven hundred ninety one and 07/100 dollars (\$8,791.07)* for the transportation of timber included in the contract price and for the transportation of any mineral material required under the terms of the contract over road or roads listed in Section 41(C)(4).**

The above road maintenance amount is for use of 21.19 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 00/100 dollars (\$500.00)*; payable in the same manner as and together with payments required in Sec. 3 of this contract. The total maintenance amount shall be paid prior to the removal of timber from the contract area.

- (8) RC-2g The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of *seven thousand one hundred ninety two and 70/100 dollars (\$7,192.70)* for the transportation of timber included in the contract price and for transportation of any mineral material required under terms of the contract over road or roads listed in Section 41(C)(5). The amount of the rockwear shown above shall be paid prior to removal of timber from the contract area; provided, however, that if the total of such amount exceeds *five hundred and no/100 dollars (\$500.00)*, the Purchaser may elect to make the payment in installments in the same manner as and together with payments required in Section 3 of this contract.
- (9) RC-2h The Purchaser shall perform any required road repair and maintenance work on roads used by him, under the terms of Exhibit D, "Road Maintenance Specifications," of this contract, which is attached hereto and made a part hereof.
- (10) RC-3 In the use of road No. 31-8-31.02B, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-700 dated May 02, 1963 between the United States of America and Roseburg Resources. These conditions include: **Payment to Roseburg Resources, a road use obligation of zero and 00/100 dollars (\$0.00)** payable at the time indicated in the license agreement. 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(s), 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.
- (11) RC-3 In the use of road No. 31-9-22.00B, 31-8-30.00B1, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-868 dated January 04, 1971 between the United States of America and Fruit Growers. These conditions include: **Payment to Fruit Growers, a road use obligation of zero and 00/100 dollars (\$0.00)** payable at the time indicated in the license agreement. 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(s), 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.

- (12) RC-3 In the use of road No. 31-8-31.00A,B, 31-8-30.00B1, 31-9-22.00A1-A2,C, 31-9-25.01B,D, 31-9-25.02, 31-9-26.00A, 31-9-27.00B, 31-8-31.00A,B, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-605 dated March 03, 1961 between the United States of America and Plum Creek Timberlands, LP. These conditions include: **Payment to Plum Creek Timberlands, LP, a road maintenance and surface replacement fee of two thousand five and 67/100 dollars (\$2,005.67)** payable at the time indicated in the license agreement. 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(s), 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.
- (13) RC-3d The Purchaser agrees that if they elect to use any other private road which is the subject of a right-of-way agreement with the Government for the removal of Government timber sold under the terms of this contract, the Purchaser shall request and agree to the modification of this contract to provide for such use and for allowances for amortization of the Government=s share of the capital investment of any such road.
- (14) RC-8 The Purchaser shall be required to secure written approval to use vehicles or haul equipment over Government owned or controlled roads and/or structures when that vehicle or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

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

Details shall include:

- (a) Axle weights when fully loaded.
- (b) Axle spacing.
- (c) Transverse wheel spacing.
- (d) Tire size.
- (e) Outside width of vehicle.

- (f) Operating speed.
- (g) Frequency of use.
- (h) Special features (e.g., running tracks, overhang loads, etc.)

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

(D) Environmental Protection

- (1) 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.
- (2) 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.

- (3) 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.
- (4) 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 landings and other areas of exposed soils by properly installing and/or using water bars, berms, sediment basins, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff as directed by the authorized officer.
- (5) E-3 If, in connection with operations under this contract, the Purchaser, their contractors, subcontractors, or the employees of any of them, discovers, encounters, or becomes aware of any objects or sites of cultural value on the contract area such as historical or prehistorical ruins, graves or grave markers, fossils, or artifacts, the Purchaser shall immediately suspend all operations in the vicinity of the cultural value and shall notify the Authorized Officer of the findings. Operations may resume at the discovery site upon receipt of written instructions and authorization by the Authorized Officer.
- (6) E-4 The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:
  - (1) 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;
  - (2) when, in order to comply with the Endangered Species Act or to 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), the Contracting Officer determines it may be necessary to modify or terminate the contract, or;



- (3) 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;
- (4) 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;
- (5) 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;
- (6) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (7) 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;
- (8) when, in order to protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

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

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

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the First Installment held on deposit may be temporarily reduced upon the written request of the Purchaser. For the period of suspension extending beyond 30 days, the First Installment on deposit may be reduced to five

(5) percent of the First Installment amount listed in Section 3.b. of the contract. Any First Installment amount temporarily reduced may be refunded or transferred to another BLM contract at the request of the Purchaser. However, if the Purchaser has outstanding debt owing the United 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.

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 occupied marbled murrelet sites in accordance with the ROD and RMP, 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, marbled murrelet occupied site protection in accordance with the ROD and RMP, 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.

- (8) E-6 The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year in which operations are expected to take place in Units 31-8-19, 31-8-31, 31-9-21, 31-9-22, 31-9-23.2, 31-9-23.3, 31-9-25, 31-9-25.1, 31-9-25.2, 31-9-25.3, 31-9-25.5, 31-9-26, 31-9-36, and 32-8-4 on the contract, between March 1 and June 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, felling, bucking, yarding, road construction, pile burning or any other activity with the potential to disturb nesting northern spotted owls may not be allowed during this time period.

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

- (E) Fire Prevention and Control

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

(a). Prior to the operation of power driven equipment in construction or logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the State of Oregon, Department of Forestry.

(b). Provide and maintain in good repair, on the contract area, the following equipment for use during closed fire season or periods of fire danger:

i. 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 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.

ii. 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.

iii. 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.

- iv. F-2d Serviceable radio or radio-telephone equipment able to provide prompt and reliable communication between the contract area, the Medford BLM District Office, and Douglas Forest Protection Agency. Such communication shall be available during periods of operation including the time watch-service is required.
- v. 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.
- vi. F-2f A headlight for each person in the woods crew adequate to provide sufficient illumination for night fire fighting. A headlight shall be of the type that can be fastened to the head so as to allow independent use of the hands. It shall be equipped with a battery case so designed that it can be either carried in the hip pocket or fastened 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.
- vii. 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.
- viii. 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.
- ix. 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.

(F) Slash Disposal

- (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 measures required by this contract:

- (a) SD-1d Slash shall be disposed of in accordance with the written instructions of the Authorized Officer.

(G) Equal Opportunity in Employment Certification of Non-segregated Facilities attached hereto and made a part hereof.



# Elk Valley Roadway Timber Sale

## 25 miles/74 acres

Unit	Road Name	Length (miles)	DF (mbf)	PP (mbf)	WF (mbf)	IC (mbf)	Total Vol.
31-8-19	Elk Ridge	1.4	4				4
31-8-30	E Fork Elk Valley	1.9	23		6		29
31-8-31	Elk Valley	1.8	20		1		21
31-8-31.1	Hayes Creek	2.8	22				22
31-8-31.2	Hayes Creek Spur	1.9	23	3	1		27
31-8-31.3	Hayes Ridge Spur	0.9	15				15
31-9-21	Gold Mtn. Spur	0.4	18			1	19
31-9-22	Gold Mtn. Rd.	1.3	6				6
31-9-23	Panther Ridge Mainline	1	27		2		29
31-9-23.1	Panther Ridge P1 Spur	0.4	30				30
31-9-23.2	Panther Ridge P2 Spur	0.7	10				10
31-9-23.3	Panther Ridge P3 Spur	0.4	28	3	1		32
31-9-25	Elk Hayes P1 Spur	0.8	7		2		9
31-9-25.1	Upper Panther Creek Rd.	1.8	5				5
31-9-25.2	W Elk Valley Rd.	0.4	48		1	2	51
31-9-25.3	Elk Valley Creek Rd.	0.9	10		1		11
31-9-25.4	Elk Hayes P2 Spur	0.2	56	4	3	1	64
31-9-25.5	Bull Elk	0.2	38				38
31-9-26	Panther Peak Rd.	1.5	57	2			59
31-9-27	Panther Creek Rd.	0.6	40	3	3	2	48
31-9-36	Elk Hayes	1.3	27	11	1		39
32-8-1.1	W Fork Cow Creek	0.4	29		2		31
32-8-4	Slotted Pen	2	39				39
Total		25	582	26	24	6	638

**Legend**

- Elk Valley Roadway Sale Units
- Intermediate 40-ft contour
- Index 200-ft contour
- Intermittent Stream
- Perennial Stream

**Ownership**

- Federal
- Non-Federal

1 inch = 1,583 feet

0 1,500 3,000 6,000 Feet

United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200

\*All start and stop points are flagged with orange and posted.

\*This is a roadway clearing project, all cut trees are marked with blue paint above and below stump height.

\*All vegetation within 15' of roadway must be cut and removed as dirt-free biomass. Any remaining vegetation will be scattered to a maximum depth of 1 foot vertical height. Alternatively, other methods may be used to treat vegetation by prior written agreement with the Authorized Officer.

\*Equipment: Mechanical fall required. Equipment must be capable of cutting trees up to 24 inches at dbh and be capable of reaching up to 15 feet. Equipment required to remain on road prism. Must have ability to grind or remove stumps.

Unit	Road Name	Length (miles)	DF (mbf)	PP (mbf)	WF (mbf)	IC (mbf)	Total Vol.
31-8-19	Elk Ridge	1.4	4				4
31-8-30	E Fork Elk Valley	1.9	23		6		29
31-8-31	Elk Valley	1.8	20		1		21
31-8-31.1	Hayes Creek	2.8	22				22
31-8-31.2	Hayes Creek Spur	1.9	23	3	1		27
31-8-31.3	Hayes Ridge Spur	0.9	15				15
31-9-21	Gold Mtn. Spur	0.4	18			1	19
31-9-22	Gold Mtn. Rd.	1.3	6				6
31-9-23	Panther Ridge Mainline	1	27		2		29
31-9-23.1	Panther Ridge P1 Spur	0.4	30				30
31-9-23.2	Panther Ridge P2 Spur	0.7	10				10
31-9-23.3	Panther Ridge P3 Spur	0.4	28	3	1		32
31-9-25	Elk Hayes P1 Spur	0.8	7		2		9
31-9-25.1	Upper Panther Creek Rd.	1.8	5				5
31-9-25.2	W Elk Valley Rd.	0.4	48		1	2	51
31-9-25.3	Elk Valley Creek Rd.	0.9	10		1		11
31-9-25.4	Elk Hayes P2 Spur	0.2	56	4	3	1	64
31-9-25.5	Bull Elk	0.2	38				38
31-9-26	Panther Peak Rd.	1.5	57	2			59
31-9-27	Panther Creek Rd.	0.6	40	3	3	2	48
31-9-36	Elk Hayes	1.3	27	11	1		39
32-8-1.1	W Fork Cow Creek	0.4	29		2		31
32-8-4	Slotted Pen	2	39				39
<b>Total</b>		<b>25</b>	<b>582</b>	<b>26</b>	<b>24</b>	<b>6</b>	<b>638</b>

- \*All start and stop points are flagged with orange and posted.
- \*This is a roadway clearing project, all cut trees are marked with blue paint above and below stump height.
- \*All vegetation within 15' of roadway must be cut and removed as dirt-free biomass. Any remaining vegetation will be scattered to a maximum depth of 1 foot vertical height. Alternatively, other methods may be used to treat vegetation by prior written agreement with the Authorized Officer.
- \*Equipment: Mechanical fall required. Equipment must be capable of cutting trees up to 24 inches at dbh and be capable of reaching up to 15 feet. Equipment required to remain on road prism. Must have ability to grind or remove stumps.

**Legend**

- Elk Valley Roadway Sale Units
- Intermediate 40-ft contour
- Index 200-ft contour
- Intermittent Stream
- Perennial Stream

**Ownership**

- Federal
- Non-Federal

1 inch = 1,583 feet

0 1,500 3,000 6,000 Feet

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

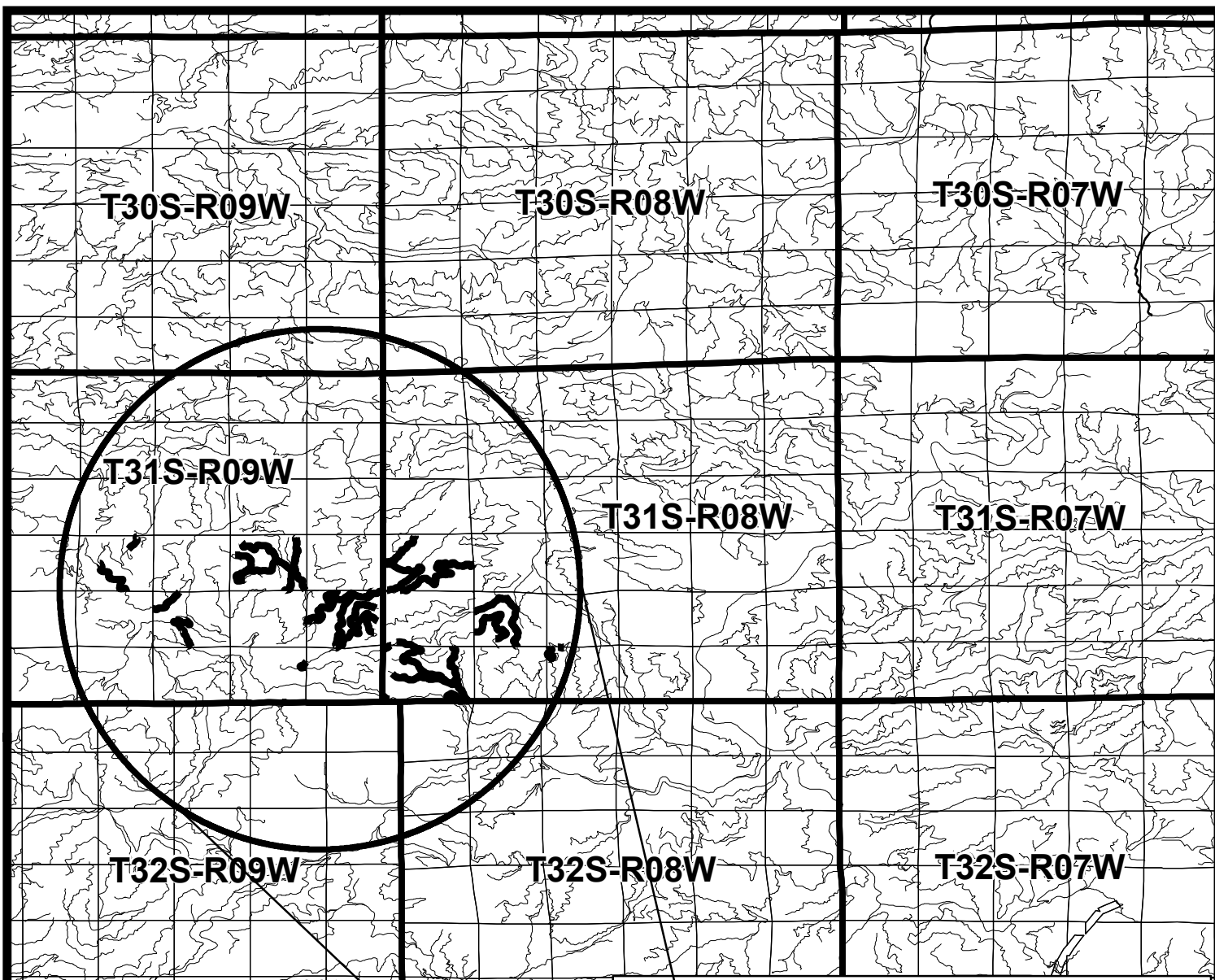
United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200



U.S.D.I BLM MEDFORD DISTRICT SALE NO. OR110-TS11-07  
T.31 S., R.8W., SEC.19, 29, 30, 31, 33, T.31 S., R.9W.,  
SEC. 21, 23, 25, 27, 35 WILL. MERIDIAN  
ELK VALLEY ROADWAY TIMBER SALE  
DOUGLAS COUNTY

ELK VALLEY ROADWAY TIMBER SALE  
CONTRACT MAP

## SALE LOCATION MAP



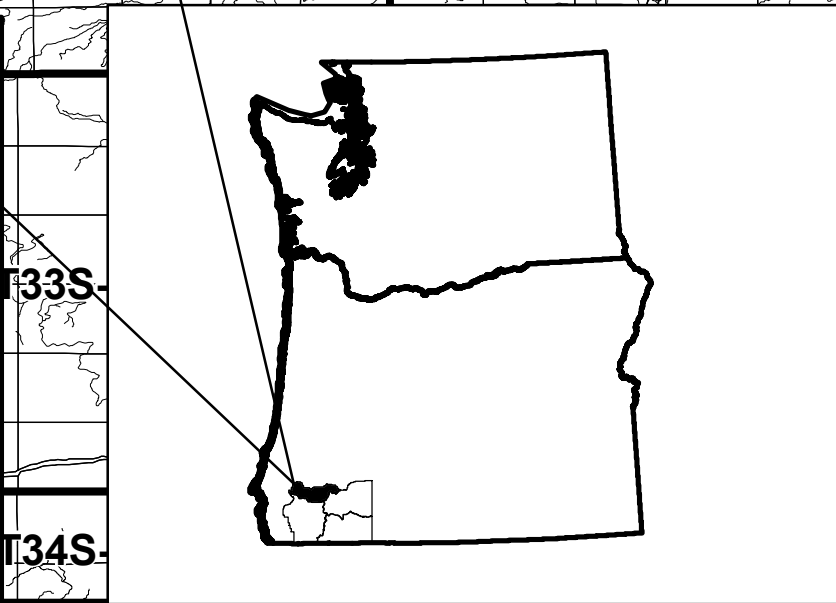
### Legend

- Elk Valley Roadway Sale
- Township and Range
- Sections
- Elk Valley Roadway Timber Sale Area

0 6,000 12,000 24,000 36,000 Feet



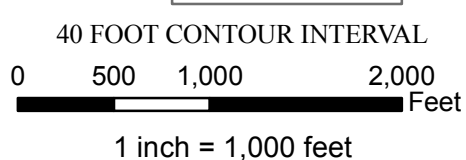
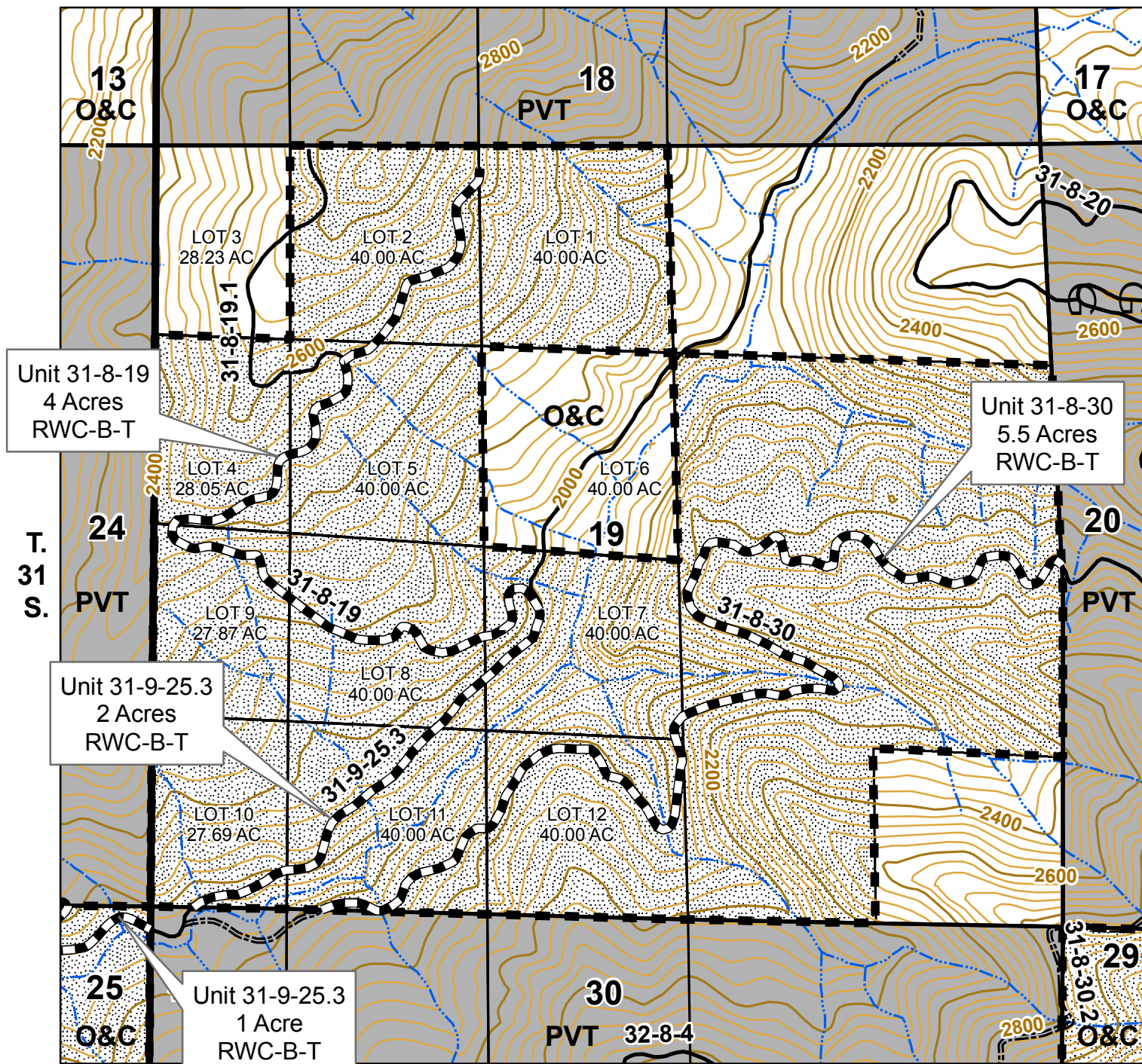
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.





R.9 W.

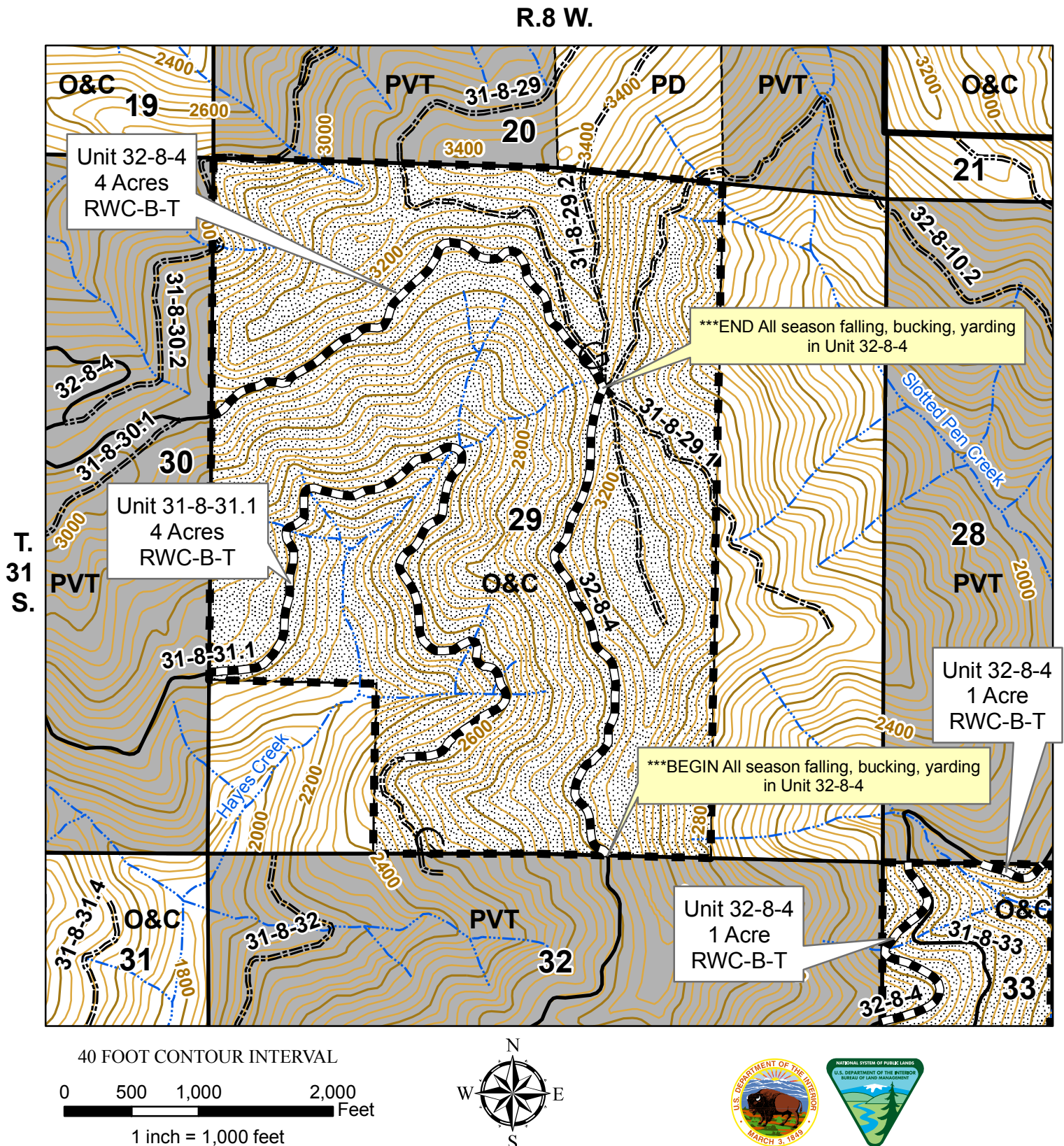
R.8 W.



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. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200



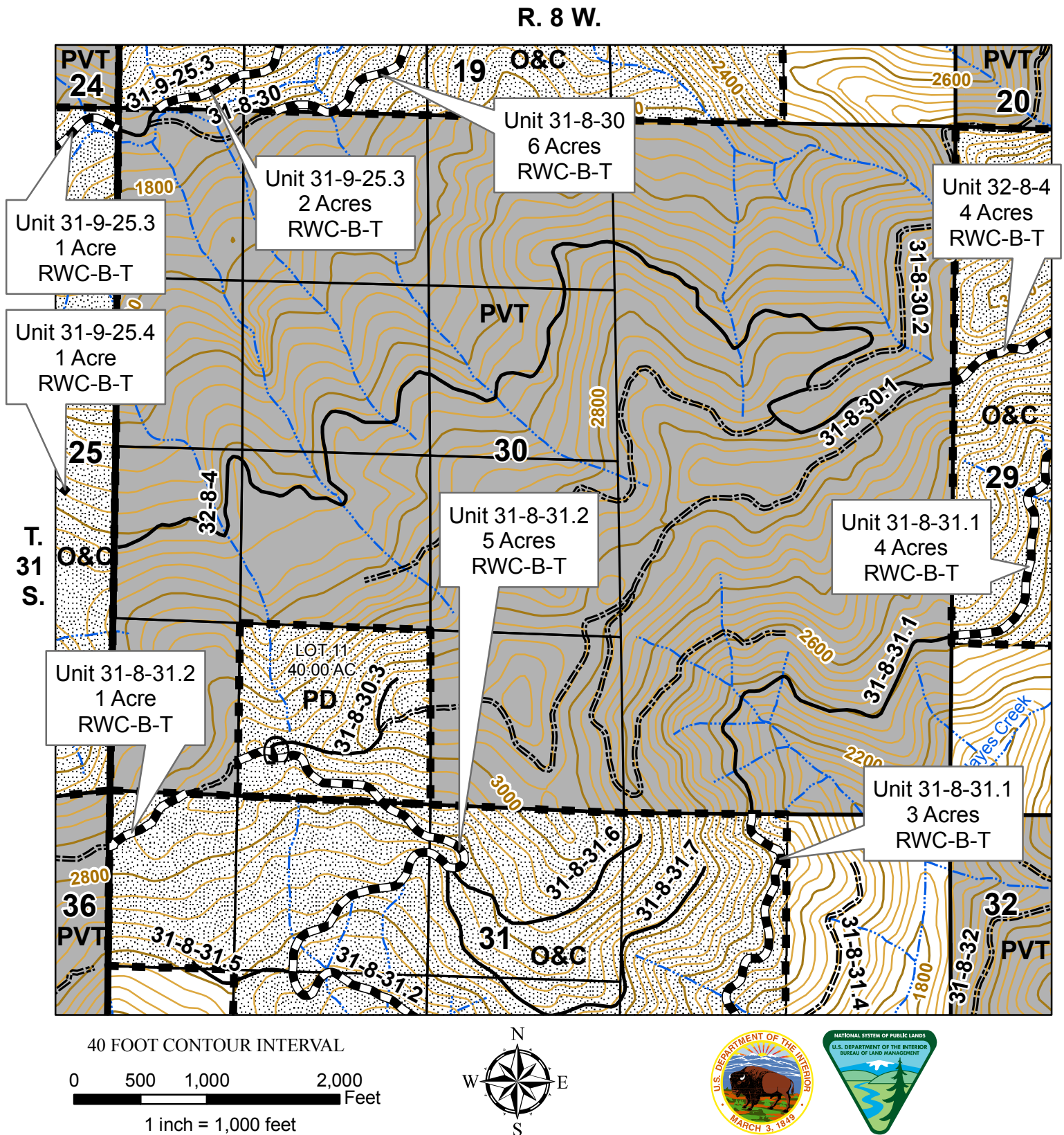


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200



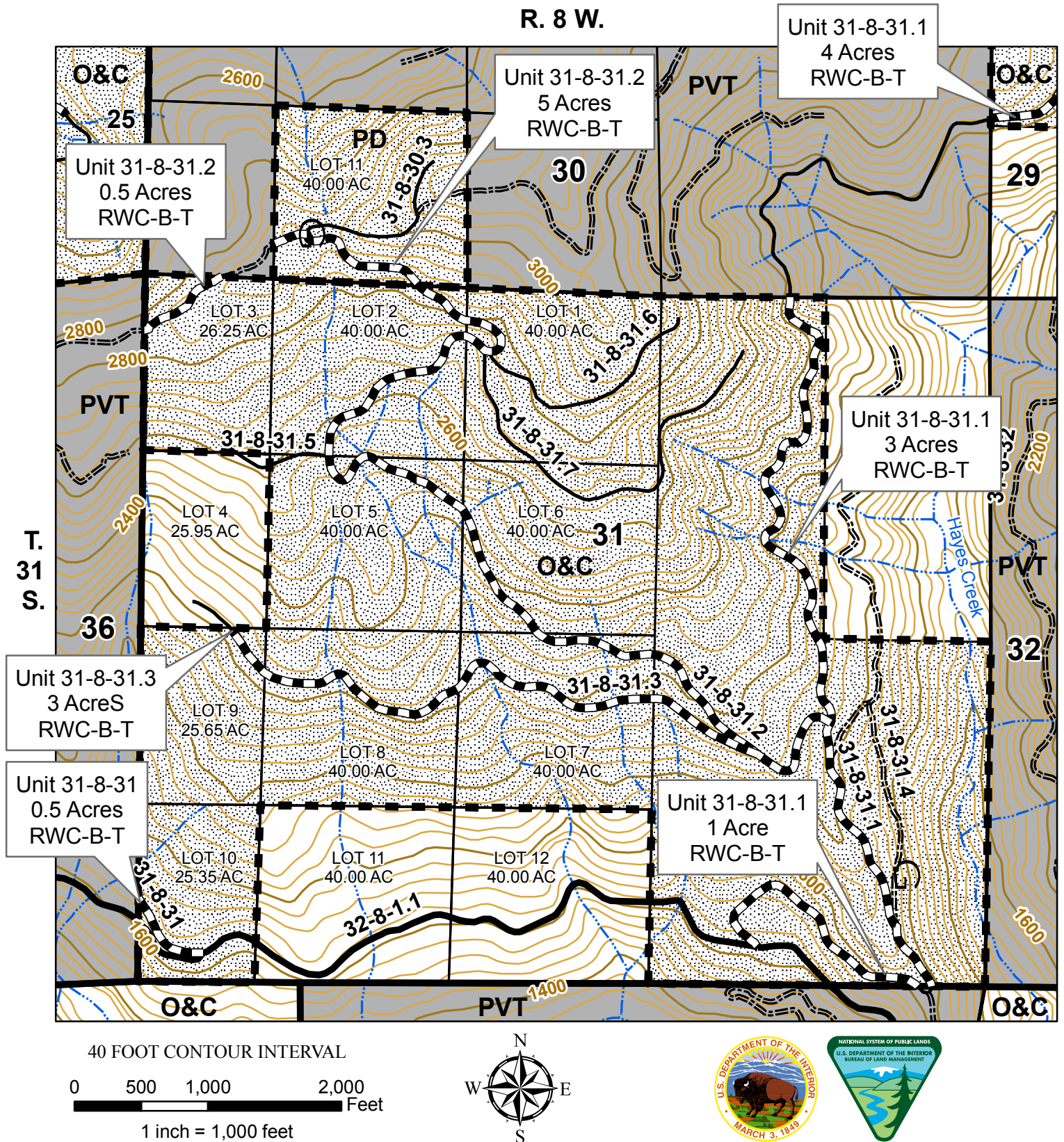


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200



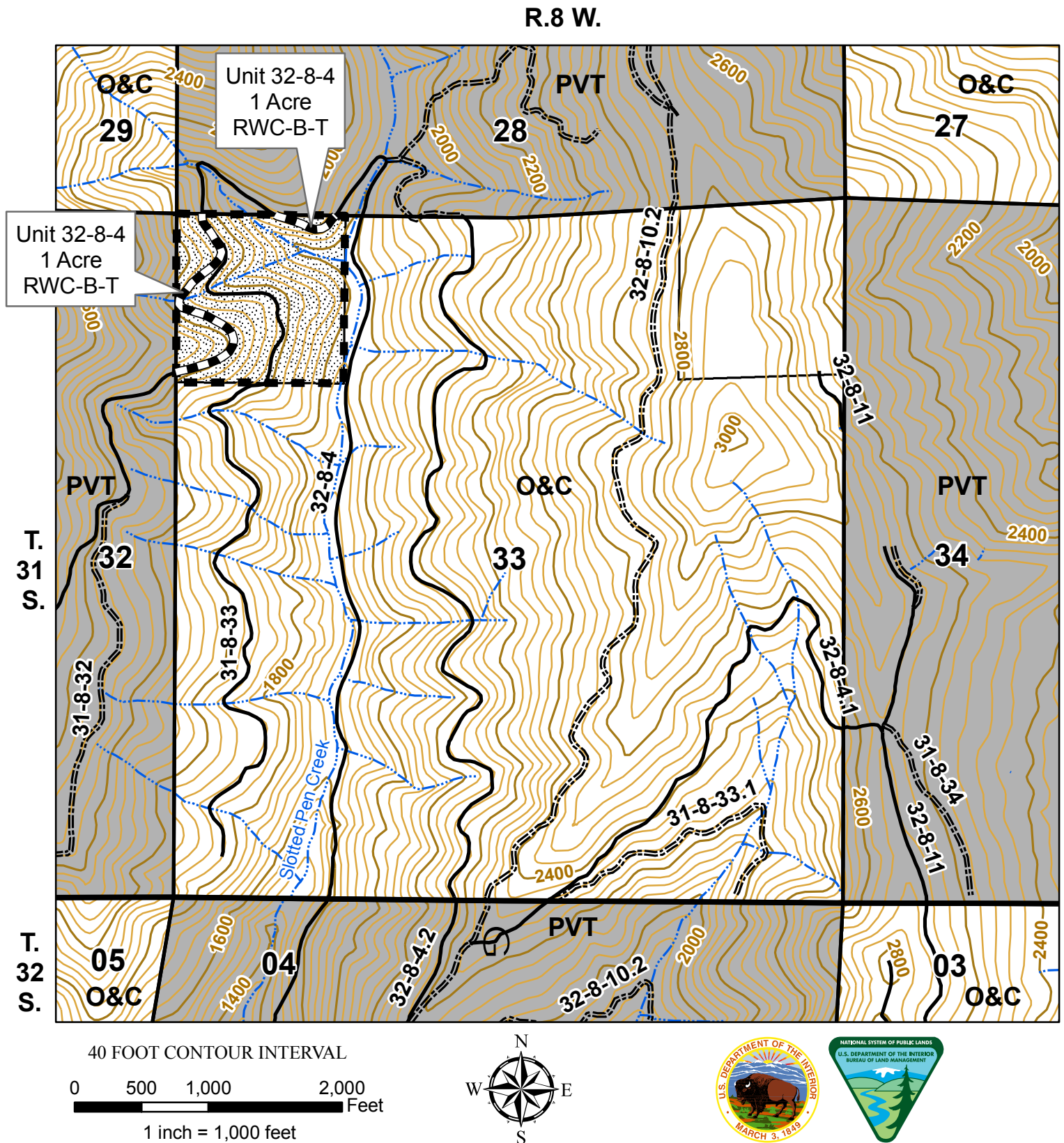


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200

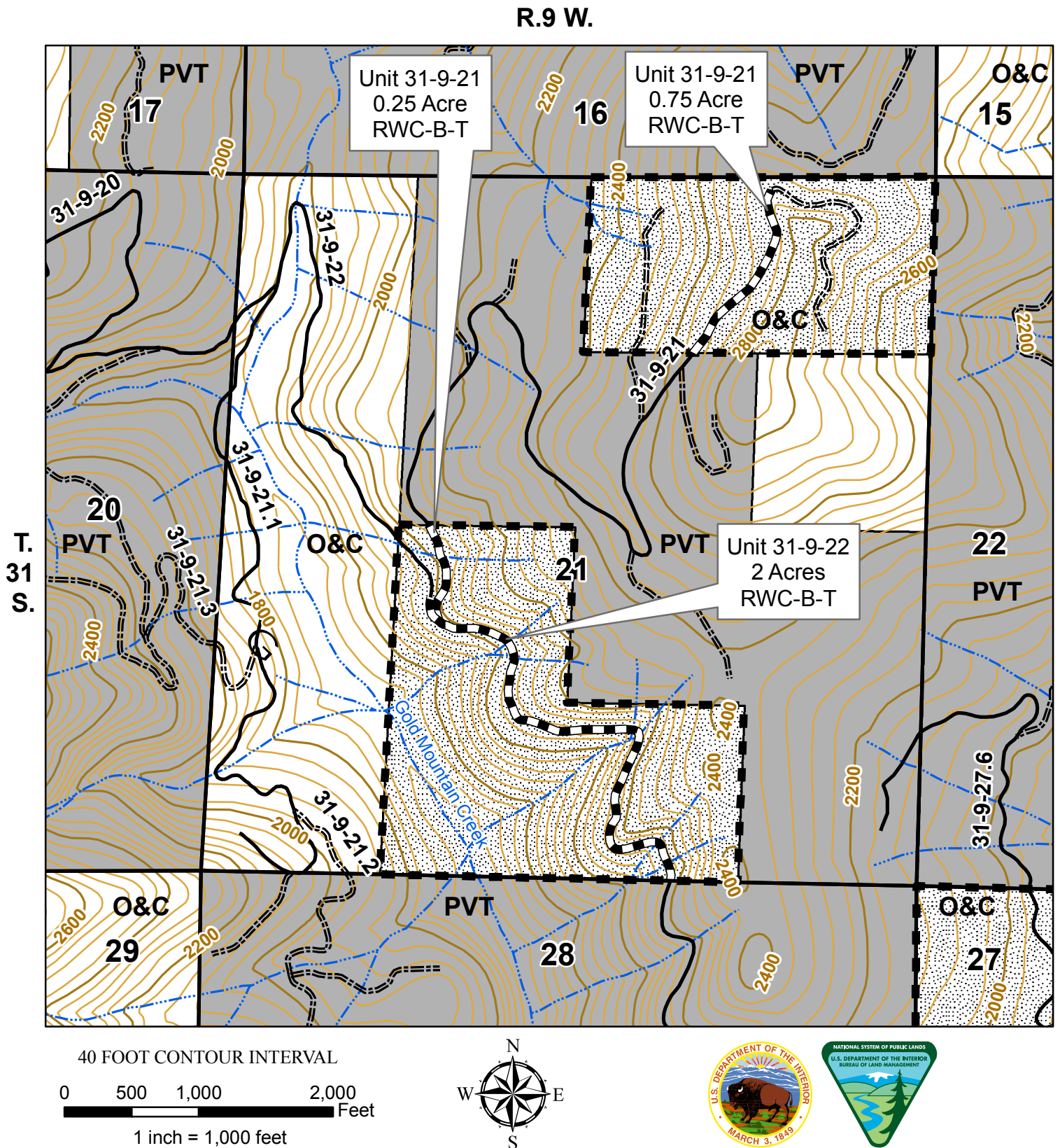




No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200

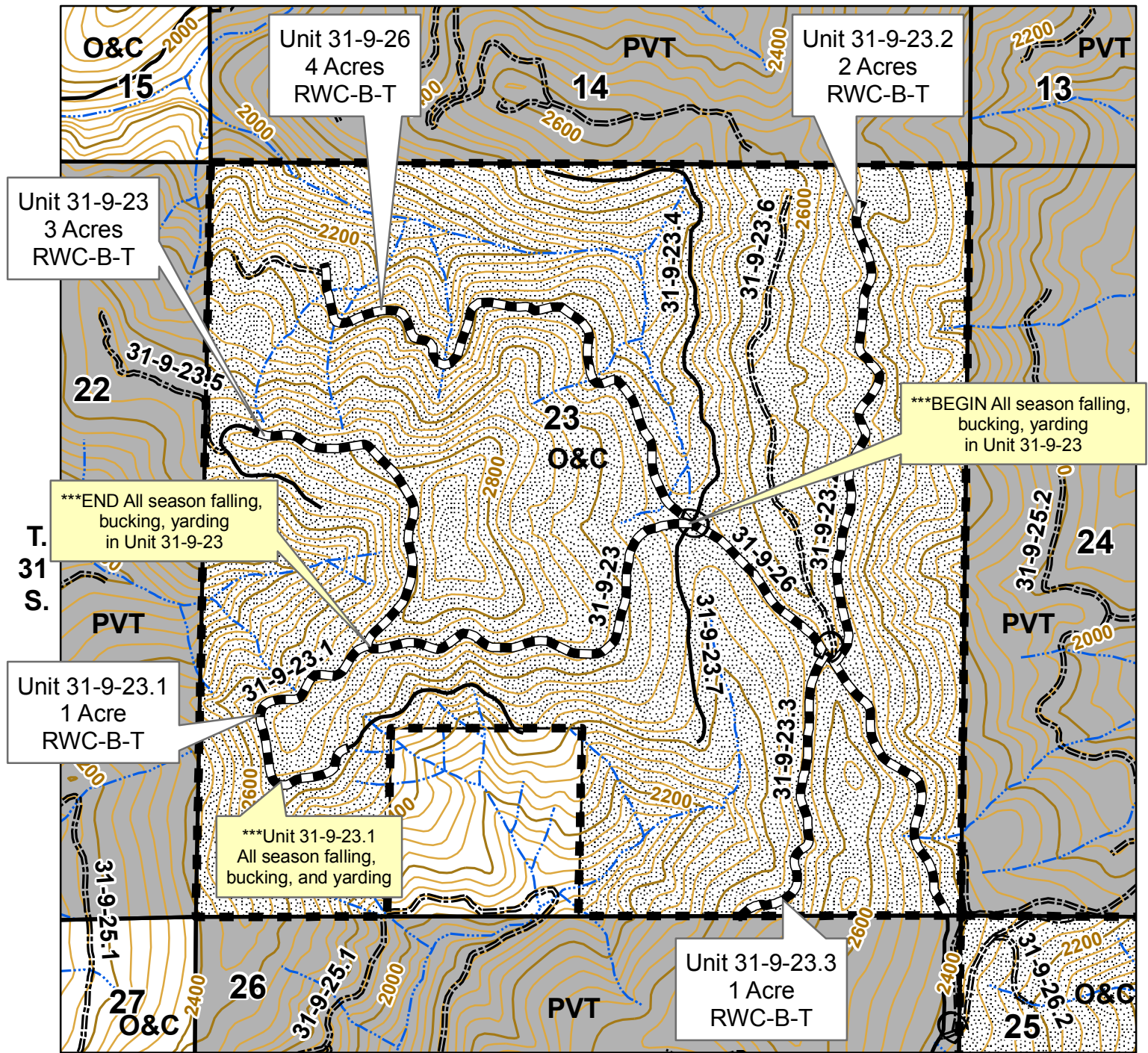


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200



R.9 W.



40 FOOT CONTOUR INTERVAL

0 500 1,000 2,000 Feet

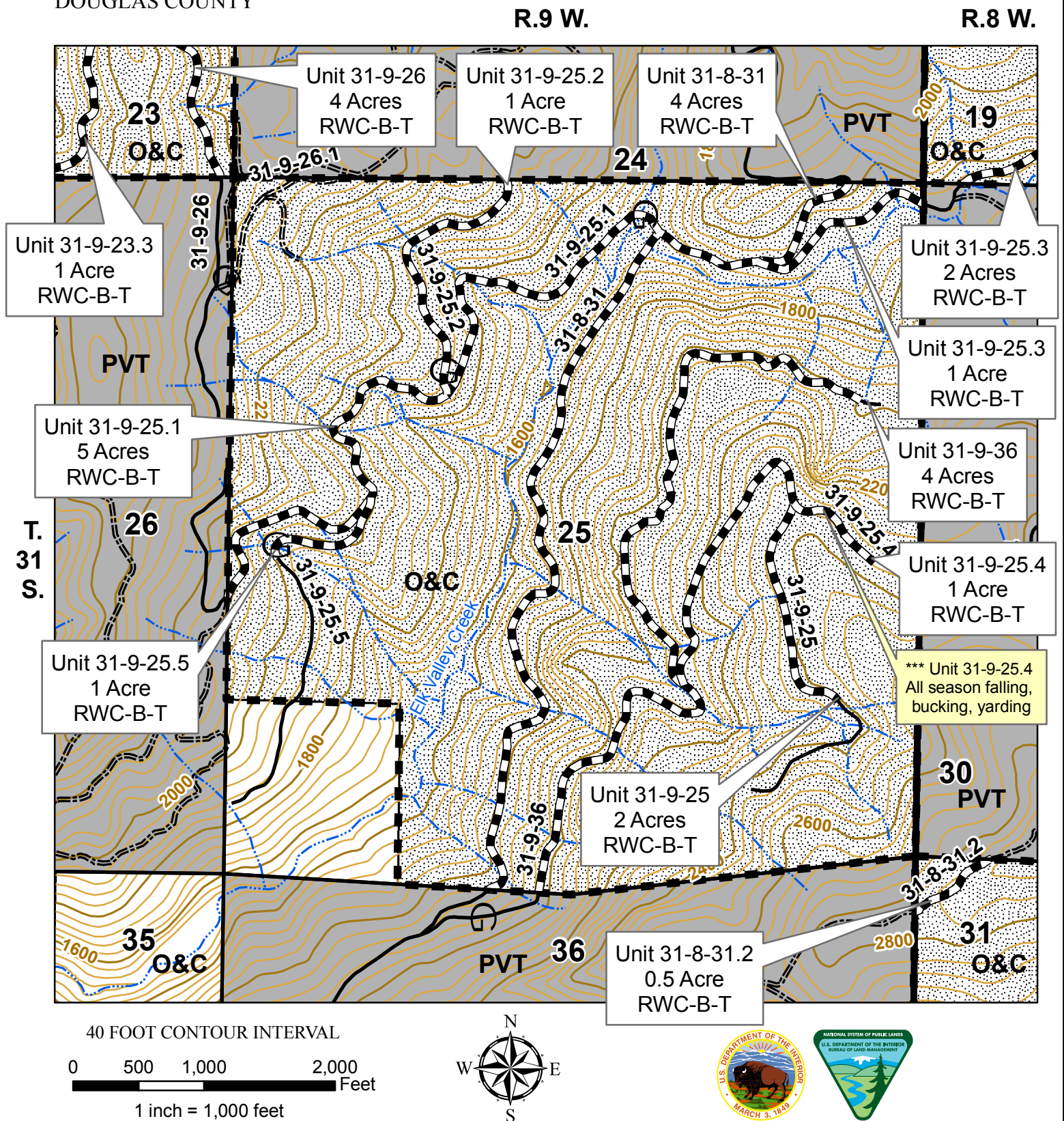
1 inch = 1,000 feet



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200





40 FOOT CONTOUR INTERVAL

0 500 1,000 2,000 Feet

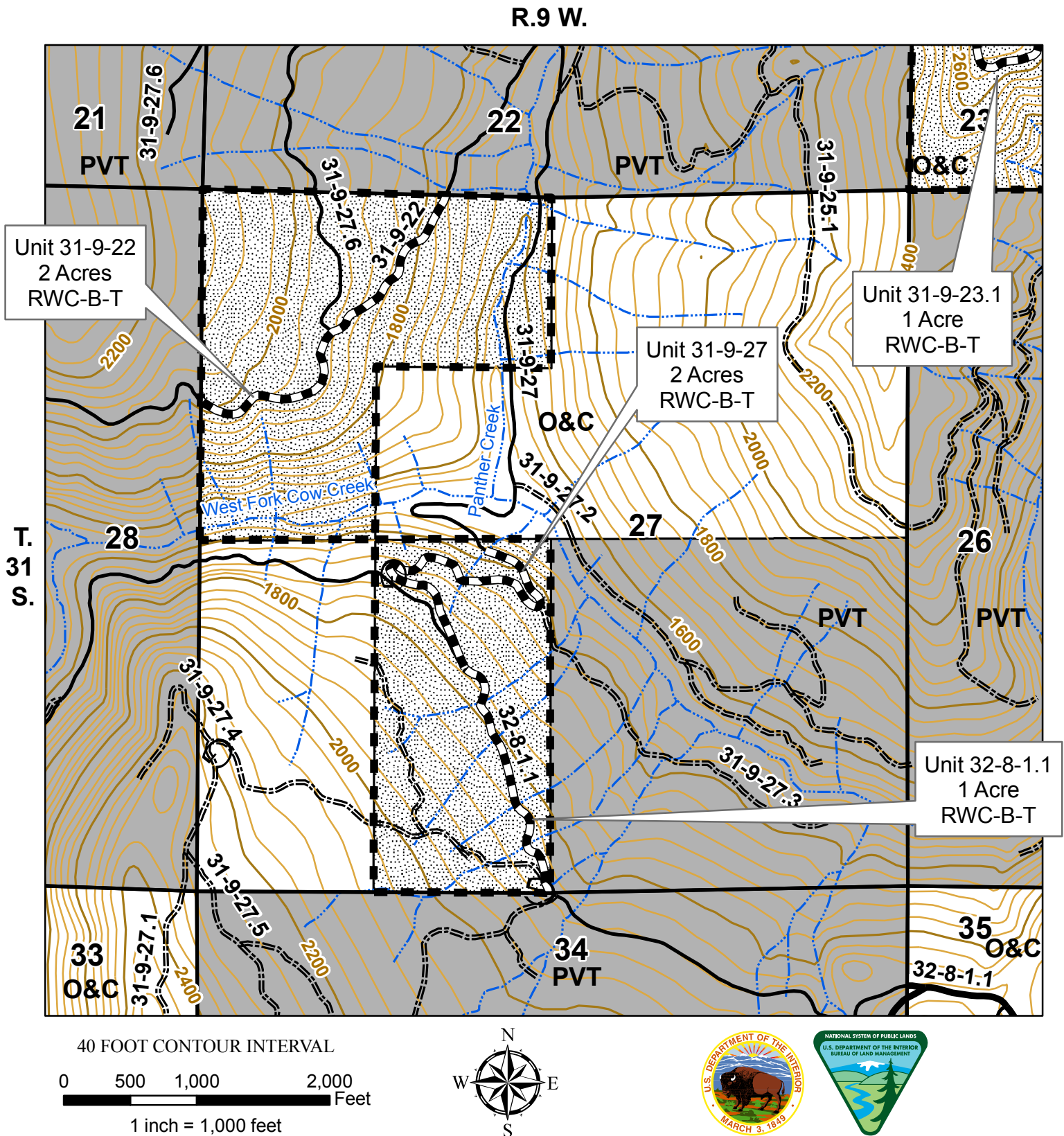
1 inch = 1,000 feet

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200



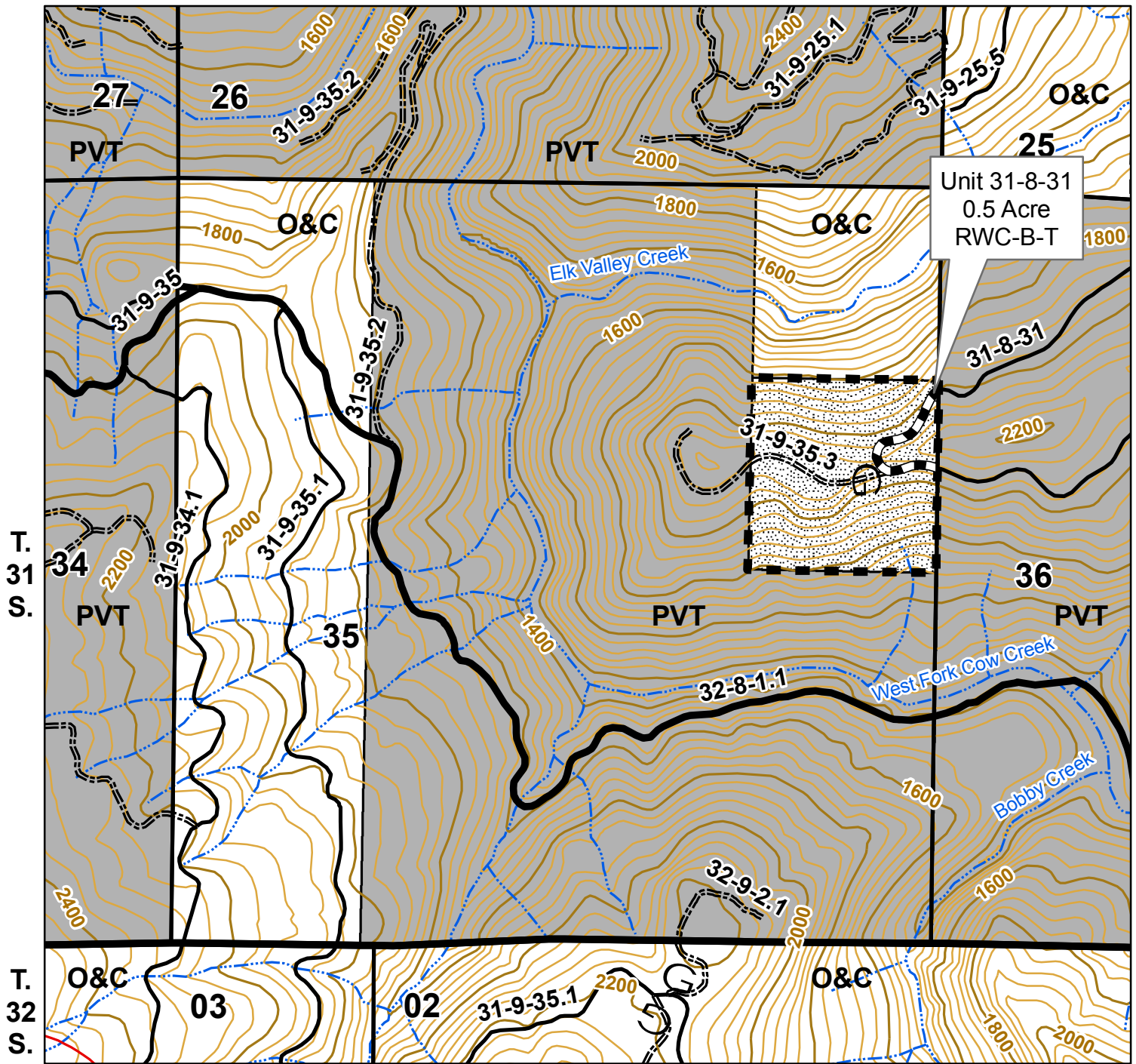


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200

R.9 W.



40 FOOT CONTOUR INTERVAL

0 500 1,000 2,000 Feet

1 inch = 1,000 feet



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.




United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200


## LEGEND

 Elk Valley Roadway Sale Unit


 Reserve Area

 Contract Area Boundary

 Township & Range

 Section

 Intermediate 40-ft contour

 Index 200-ft contour

### Road Surface Type

 Paved

 Rocked

 Natural Surface

 Gate

 Stream

 BLM




 Non-Federal

**PVT** Private Ownership

**O&C** BLM O & C

**PD** BLM Public Domain

## SUMMARY

RWC-B-T	ROADWAY CLEARING- BLUE MARK CUT TREE-TRACTOR YARD (ALL UNITS)	74 ACRES
	TOTAL TIMBER SALE UNIT AREA	74 ACRES
	RESERVE AREA	3206.86 ACRES
	TOTAL CONTRACT AREA	3280.86 ACRES



## LEGEND

UNIT	ACRES	HARVEST TYPE	PAINT COLOR	LOGGING SYSTEM	SLASH DISPOSAL
31-8-19	4	RWC	B	T	BIOMASS
31-8-30	6	RWC	B	T	BIOMASS
31-8-31	5	RWC	B	T	BIOMASS
31-8-31.1	8	RWC	B	T	BIOMASS
31-8-31.2	6	RWC	B	T	BIOMASS
31-8-31.3	3	RWC	B	T	BIOMASS
31-9-21	1	RWC	B	T	BIOMASS
31-9-22	4	RWC	B	T	BIOMASS
31-9-23	3	RWC	B	T	BIOMASS
31-9-23.1	1	RWC	B	T	BIOMASS
31-9-23.2	2	RWC	B	T	BIOMASS
31-9-23.3	1	RWC	B	T	BIOMASS
31-9-25	2	RWC	B	T	BIOMASS
31-9-25.1	5	RWC	B	T	BIOMASS
31-9-25.2	1	RWC	B	T	BIOMASS
31-9-25.3	3	RWC	B	T	BIOMASS
31-9-25.4	1	RWC	B	T	BIOMASS
31-9-25.5	1	RWC	B	T	BIOMASS
31-9-26	4	RWC	B	T	BIOMASS
31-9-27	2	RWC	B	T	BIOMASS
31-9-36	4	RWC	B	T	BIOMASS
32-8-1.1	1	RWC	B	T	BIOMASS
32-8-4	6	RWC	B	T	BIOMASS
<b>TOTAL</b>	<b>74</b>				

\* BOUNDARIES OF HARVEST UNITS ARE POSTED AND  
PAINTED IN ORANGE

RWC= ROADWAY CLEARING

B= BLUE PAINT (CUT TREE MARK)

T= TRACTOR YARD

BIOMASS = CUT VEGETATION CREATED FROM THE ROADSIDE  
CLEARING & DAYLIGHTING WILL BE REMOVED AS DIRT-  
FREE BIOMASS. ANY REMAINING VEGETATION WILL BE  
SCATTERED TO A MAXIMUM DEPTH OF ONE FOOT  
VERTICAL HEIGHT. ALTERNATIVELY, OTHER METHODS  
MAY BE USED TO TREAT VEGETATION BY PRIOR  
WRITTEN AGREEMENT WITH THE AUTHORIZED OFFICER.



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

---

<b>District :</b> Medford	<b>Contract # :</b> TS-11-07
<b>Sale Name :</b> Elk Valley Roadway	<b>Job File # :</b> M11259
<b>Sale Date :</b> 04/28/2011	<b>Master Unit :</b> Josephine
<b>Appraisal Method :</b> 16' MBF	<b>Planning Unit :</b> Glendale

---

**Contents**

Timber Sale Summary	2
Stumpage Summary	4
Prospectus	5
Exhibit B	7
Volume Summary	12
Stump to Truck Costs	17
Other Allowances Costs	18
Consolidated Comments	19

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

Medford  
Elk Valley Roadway  
TS-11-07

**Legal Description**

Forest Type	Township	Range	Section	Subdivision
O&C	31S	8W	19	Lot 1, 2, 4, 5, 7, 8, 9, 10, 11, 12, S1/2NE1/4, N1/2SE1/4, SW1/4SE1/4
O&C	31S	8W	29	W1/2NE1/4, NW1/4, N1/2SW1/4, SE1/4SW1/4, W1/2SE1/4
O&C	31S	8W	30	Lot 11
O&C	31S	8W	31	Lot 1, 2, 3, 5, 6, 7, 8, 9, 10, W1/2NE1/4, SE1/4
O&C	31S	8W	33	NW1/4NW1/4
O&C	31S	9W	21	N1/2NE1/4, E1/2SW1/4, SW1/4SE1/4
O&C	31S	9W	23	N1/2, N1/2SW1/4, SW1/4SW1/4, SE1/4
O&C	31S	9W	25	N1/2, N1/2SW1/4, SE1/4SW1/4, SE1/4
O&C	31S	9W	27	N1/2NW1/4, SW1/4NW1/4, E1/2SE1/4
O&C	31S	9W	35	SE1/4NE1/4

**Cutting Volume (16' MBF)**

Unit	DF	PP	WF	IC					Total	Regen	Partial	ROW
32-8-1.1	4								4			1
31-8-19	23		6						29			4
31-9-21	20		1						21			1
31-9-22	22								22			4
31-9-23	23	3	1						27			3
31-9-23.1	15								15			1
31-9-23.2	18			1					19			2
31-9-23.3	6								6			1
31-9-25	27		2						29			2
31-9-25.1	30								30			5
31-9-25.2	10								10			1
31-9-25.3	28	3	1						32			3
31-9-25.4	7		2						9			1
31-9-25.5	5								5			1
31-9-26	48		1	2					51			4
31-9-27	10		1						11			2
31-8-30	56	4	3	1					64			6
31-8-31	38								38			5
31-8-31.1	57	2							59			8
31-8-31.2	40	3	3	2					48			6
31-8-31.3	27	11	1						39			3
31-9-36	29		2						31			4
32-8-4	39								39			6
<b>Totals</b>	<b>582</b>	<b>26</b>	<b>24</b>	<b>6</b>					<b>638</b>	<b>0</b>	<b>0</b>	<b>74</b>

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

Medford  
Elk Valley Roadway  
TS-11-07

**Logging Costs per 16' MBF**

Stump to Truck	\$	138.05
Transportation	\$	64.55
Road Construction	\$	12.51
Road Amortization	\$	0.00
Road Maintenance	\$	25.05

Other Allowances :

Misc	\$32.47
Other Costs	\$8.19
<b>Total Other Allowances :</b>	<b>\$ 40.66</b>

Total Logging Costs per 16' MBF

<b>\$ 280.82</b>
------------------

**Utilization Centers**

Center #1 : Glendale	28 Miles
Center #2	0 Miles
Weighted distance to Utilization Centers	28

**Length of Contract**

Cutting and Removal Time	24 Months
Personal Property Removal Time	1 Months

**Profit & Risk**

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

**Tract Features**

Avg Log	Douglas-fir : 37 bf	All : 37 bf
Recovery	Douglas-fir : 94 %	All : 94 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume ( 16' MBF per Acre)		9
Avg Yarding Slope		10 %
Avg Yarding Distance (feet)		400
Avg Age		60
Volume Cable		0 %
Volume Ground		100 %
Volume Aerial		0 %
Road Construction Stations		0.00
Road Improvement Stations		0.00
Road Renovation Stations		0.00
Road Decomission Stations		0.00

**Cruise**

Cruised By	Caulfield, Dowding
Date	06/01/2010
Type of Cruise	3P, 100%
County, State	Douglas, OR

**Net Volume**

Green (16' MBF)	638
Salvage (16' MBF)	0.00
Douglas-fir Peeler	0.00
Export Volume	0
Scaling Allowance (\$0.75 per 16' MBF)	\$478.50

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

Medford  
Elk Valley Roadway  
TS-11-07

---

**Stumpage Computation (16' MBF)**

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	6,572	582	437.54	35.00	280.82	0.14		121.90	70,945.80
PP	291	26	237.36	18.99	280.82			<b>23.70</b>	616.20
WF	372	24	382.76	30.62	280.82			71.30	1,711.20
IC	146	6	399.78	31.98	280.82			87.00	522.00
<b>Totals</b>	<b>7,381</b>	<b>638</b>							<b>\$ 73,795.20</b>

---

**Log Code by Percent**

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				24.0	60.0	16.0
White Fir				14.0	57.0	30.0
Incense-cedar				2.0	31.0	68.0
Ponderosa Pine				17.0	56.0	27.0

---

**Marginal Log Volume**

Species	Grade #7	Grade #8
Douglas-fir	830	
White Fir		
Incense-cedar		
Ponderosa Pine		

**Appraised By :** Caulfield, Dave

**Date :** 03/07/2011

**Area Approval By :** Caulfield, Dave

**Date :** 03/07/2011

**District Approval By :**

**Date :**



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

Medford  
Elk Valley Roadway  
TS-11-07

**Prospectus**

**Appraisal Method : (16' MBF)**

<b>Species</b>	<b>Trees</b>	<b>Net Volume 16' MBF</b>	<b>Net Volume 32' MBF</b>	<b>Net Volume CCF</b>
Douglas-fir	6,572	582	476	1,141
Ponderosa Pine	291	26	19	50
White Fir	372	24	20	49
Incense-cedar	146	6	5	12
<b>Total</b>	<b>7,381</b>	<b>638</b>	<b>520</b>	<b>1,252</b>

**All Species**

<b>Gross Volume</b>	<b>Number Trees</b>	<b>Avg bf Volume Per Tree</b>	<b>DBH</b>	<b>Gross Merch Volume</b>	<b>Merch Logs</b>	<b>Avg bf Gross Merch Log</b>
681	7,381	92	11.7	677	18,190	37

<b>Merch Logs</b>	<b>Cull Logs</b>	<b>Total Logs</b>	<b>Logs per Tree</b>	<b>Net Volume</b>	<b>Gross Volume</b>	<b>Recovery</b>
18,190	198	18,388	2	638	681	94 %

**Douglas-fir**

<b>Gross Volume</b>	<b>Number Trees</b>	<b>Avg bf Volume Per Tree</b>	<b>DBH</b>	<b>Gross Merch Volume</b>	<b>Merch Logs</b>	<b>Avg bf Gross Merch Log</b>
621	6,572	94	11.8	617	16,515	37

<b>Merch Logs</b>	<b>Cull Logs</b>	<b>Total Logs</b>	<b>Logs per Tree</b>	<b>Net Volume</b>	<b>Gross Volume</b>	<b>Recovery</b>
16,515	156	16,671	2	582	621	94 %

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

Medford  
Elk Valley Roadway  
TS-11-07

**Cutting Areas**

<b>Unit</b>	<b>Regen Acres</b>	<b>Partial Cut Acres</b>	<b>Right Of Way Acres</b>	<b>Total Acres</b>
32-8-1.1			1	1
31-8-19			4	4
31-9-21			1	1
31-9-22			4	4
31-9-23			3	3
31-9-23.1			1	1
31-9-23.2			2	2
31-9-23.3			1	1
31-9-25			2	2
31-9-25.1			5	5
31-9-25.2			1	1
31-9-25.3			3	3
31-9-25.4			1	1
31-9-25.5			1	1
31-9-26			4	4
31-9-27			2	2
31-8-30			6	6
31-8-31			5	5
31-8-31.1			8	8
31-8-31.2			6	6
31-8-31.3			3	3
31-9-36			4	4
32-8-4			6	6
<b>Totals :</b>			<b>74</b>	<b>74</b>

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

Medford  
Elk Valley Roadway  
TS-11-07

**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	582		
Ponderosa Pine	26		
White Fir	24		
Incense-cedar	6		
<b>Sale Totals</b>	<b>638</b>		

**Unit Details (16' MB)**

**Unit 31-8-19                      4 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	23		
Incense-cedar			
Ponderosa Pine			
White Fir	6		
<b>Unit Totals</b>	<b>29</b>		

**Unit 31-8-30                      6 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	56		
Incense-cedar	1		
Ponderosa Pine	4		
White Fir	3		
<b>Unit Totals</b>	<b>64</b>		

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

Medford  
Elk Valley Roadway  
TS-11-07

**Unit 31-8-31                      5 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	38		
Incense-cedar			
White Fir			
<b>Unit Totals</b>	<b>38</b>		

**Unit 31-8-31.1                      8 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	57		
Incense-cedar			
Ponderosa Pine	2		
White Fir			
<b>Unit Totals</b>	<b>59</b>		

**Unit 31-8-31.2                      6 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	40		
Incense-cedar	2		
Ponderosa Pine	3		
White Fir	3		
<b>Unit Totals</b>	<b>48</b>		

**Unit 31-8-31.3                      3 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	27		
Incense-cedar			
Ponderosa Pine	11		
White Fir	1		
<b>Unit Totals</b>	<b>39</b>		

**Unit 31-9-21                      1 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	20		
Incense-cedar			
White Fir	1		
<b>Unit Totals</b>	<b>21</b>		

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

Medford  
Elk Valley Roadway  
TS-11-07

**Unit 31-9-22                      4 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	22		
Incense-cedar			
White Fir			
<b>Unit Totals</b>	<b>22</b>		

**Unit 31-9-23                      3 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	23		
Incense-cedar			
Ponderosa Pine	3		
White Fir	1		
<b>Unit Totals</b>	<b>27</b>		

**Unit 31-9-23.1                      1 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	15		
Incense-cedar			
White Fir			
<b>Unit Totals</b>	<b>15</b>		

**Unit 31-9-23.2                      2 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	18		
Incense-cedar	1		
<b>Unit Totals</b>	<b>19</b>		

**Unit 31-9-23.3                      1 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	6		
<b>Unit Totals</b>	<b>6</b>		

**Unit 31-9-25                      2 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	27		
Ponderosa Pine			
White Fir	2		
<b>Unit Totals</b>	<b>29</b>		

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

Medford  
Elk Valley Roadway  
TS-11-07

**Unit 31-9-25.1                      5 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	30		
Ponderosa Pine			
White Fir			
<b>Unit Totals</b>	<b>30</b>		

**Unit 31-9-25.2                      1 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	10		
Ponderosa Pine			
White Fir			
<b>Unit Totals</b>	<b>10</b>		

**Unit 31-9-25.3                      3 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	28		
Incense-cedar			
Ponderosa Pine	3		
White Fir	1		
<b>Unit Totals</b>	<b>32</b>		

**Unit 31-9-25.4                      1 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	7		
White Fir	2		
<b>Unit Totals</b>	<b>9</b>		

**Unit 31-9-25.5                      1 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	5		
<b>Unit Totals</b>	<b>5</b>		

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

Medford  
Elk Valley Roadway  
TS-11-07

**Unit 31-9-26                      4 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	48		
Incense-cedar	2		
Ponderosa Pine			
White Fir	1		
<b>Unit Totals</b>	<b>51</b>		

**Unit 31-9-27                      2 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	10		
White Fir	1		
<b>Unit Totals</b>	<b>11</b>		

**Unit 31-9-36                      4 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	29		
Incense-cedar			
Ponderosa Pine			
White Fir	2		
<b>Unit Totals</b>	<b>31</b>		

**Unit 32-8-1.1                      1 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	4		
Incense-cedar			
White Fir			
<b>Unit Totals</b>	<b>4</b>		

**Unit 32-8-4                      6 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	39		
Ponderosa Pine			
White Fir			
<b>Unit Totals</b>	<b>39</b>		

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

Medford  
Elk Valley Roadway  
TS-11-07

**Sale Volume Totals**

**74 Acres**

**0 Regen**

**0 Partial**

**74 R/W**

**23 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	6,572	16,515	156	582	617	621	476	504	506	1,141	1,200	1,208
Ponderosa Pine	291	675	31	26	28	28	19	20	21	50	52	54
White Fir	372	809	8	24	26	26	20	21	21	49	51	52
Incense-cedar	146	191	3	6	6	6	5	5	5	12	13	13
<b>Totals</b>	<b>7,381</b>	<b>18,190</b>	<b>198</b>	<b>638</b>	<b>677</b>	<b>681</b>	<b>520</b>	<b>550</b>	<b>553</b>	<b>1,252</b>	<b>1,316</b>	<b>1,327</b>

**Unit Totals**

**Unit : 32-8-1.1**

**1 Acres**

**0 Regen**

**0 Partial**

**1 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	38	110	1	4	4	4
Incense-cedar	2	2				
White Fir	2	3				
<b>Unit Totals</b>	<b>42</b>	<b>115</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>4</b>

**Unit : 31-8-19**

**4 Acres**

**0 Regen**

**0 Partial**

**4 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	299	642	6	24	24	23
White Fir	86	191	4	8	8	6
Incense-cedar	1	2				
Ponderosa Pine	1	1				
<b>Unit Totals</b>	<b>387</b>	<b>836</b>	<b>10</b>	<b>32</b>	<b>32</b>	<b>29</b>

**Unit : 31-9-21**

**1 Acres**

**0 Regen**

**0 Partial**

**1 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	219	580	5	22	22	20
White Fir	6	16		1	1	1
Incense-cedar	1	1				
<b>Unit Totals</b>	<b>226</b>	<b>597</b>	<b>5</b>	<b>23</b>	<b>23</b>	<b>21</b>

**Unit : 31-9-22**

**4 Acres**

**0 Regen**

**0 Partial**

**4 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**

Medford  
Elk Valley Roadway  
TS-11-07

Douglas-fir	228	636	6	24	24	22
White Fir	2	4				
Incense-cedar	1	2				
<b>Unit Totals</b>	<b>231</b>	<b>642</b>	<b>6</b>	<b>24</b>	<b>24</b>	<b>22</b>

**Unit : 31-9-23                      3 Acres                      0 Regen                      0 Partial                      3 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	342	660	6	25	25	23
Ponderosa Pine	42	92	3	3	3	3
White Fir	16	37	1	1	1	1
Incense-cedar	15	17	1			
<b>Unit Totals</b>	<b>415</b>	<b>806</b>	<b>11</b>	<b>29</b>	<b>29</b>	<b>27</b>

**Unit : 31-9-23.1                      1 Acres                      0 Regen                      0 Partial                      1 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	162	421	4	16	16	15
Incense-cedar	7	9				
White Fir	4	10				
<b>Unit Totals</b>	<b>173</b>	<b>440</b>	<b>4</b>	<b>16</b>	<b>16</b>	<b>15</b>

**Unit : 31-9-23.2                      2 Acres                      0 Regen                      0 Partial                      2 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	219	516	5	19	19	18
Incense-cedar	18	18		1	1	1
<b>Unit Totals</b>	<b>237</b>	<b>534</b>	<b>5</b>	<b>20</b>	<b>20</b>	<b>19</b>

**Unit : 31-9-23.3                      1 Acres                      0 Regen                      0 Partial                      1 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	68	162	2	6	6	6
<b>Unit Totals</b>	<b>68</b>	<b>162</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>6</b>

**Unit : 31-9-25                      2 Acres                      0 Regen                      0 Partial                      2 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	374	760	7	29	28	27
White Fir	42	79		2	2	2
Ponderosa Pine	5	12				
<b>Unit Totals</b>	<b>421</b>	<b>851</b>	<b>7</b>	<b>31</b>	<b>30</b>	<b>29</b>

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

Medford  
Elk Valley Roadway  
TS-11-07

**Unit : 31-9-25.1                      5 Acres                      0 Regen                      0 Partial                      5 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	280	848	8	32	32	30
White Fir	3	8				
Ponderosa Pine	1	3	1			
<b>Unit Totals</b>	<b>284</b>	<b>859</b>	<b>9</b>	<b>32</b>	<b>32</b>	<b>30</b>

**Unit : 31-9-25.2                      1 Acres                      0 Regen                      0 Partial                      1 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	113	276	3	10	10	10
Ponderosa Pine	1	2				
White Fir	2	2				
<b>Unit Totals</b>	<b>116</b>	<b>280</b>	<b>3</b>	<b>10</b>	<b>10</b>	<b>10</b>

**Unit : 31-9-25.3                      3 Acres                      0 Regen                      0 Partial                      3 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	251	793	8	30	30	28
Ponderosa Pine	44	100	8	3	3	3
White Fir	9	27	1	1	1	1
Incense-cedar	3	3				
<b>Unit Totals</b>	<b>307</b>	<b>923</b>	<b>17</b>	<b>34</b>	<b>34</b>	<b>32</b>

**Unit : 31-9-25.4                      1 Acres                      0 Regen                      0 Partial                      1 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	112	208	2	8	8	7
White Fir	36	80		2	2	2
<b>Unit Totals</b>	<b>148</b>	<b>288</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>9</b>

**Unit : 31-9-25.5                      1 Acres                      0 Regen                      0 Partial                      1 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	48	147	1	6	5	5
<b>Unit Totals</b>	<b>48</b>	<b>147</b>	<b>1</b>	<b>6</b>	<b>5</b>	<b>5</b>

**Unit : 31-9-26                      4 Acres                      0 Regen                      0 Partial                      4 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	558	1,364	13	51	51	48
Incense-cedar	14	27	2	2	2	2

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

Medford  
Elk Valley Roadway  
TS-11-07

White Fir	18	33		1	1	1
Ponderosa Pine	1	1				
<b>Unit Totals</b>	<b>591</b>	<b>1,425</b>	<b>15</b>	<b>54</b>	<b>54</b>	<b>51</b>

**Unit : 31-9-27                      2 Acres                      0 Regen                      0 Partial                      2 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	140	296	3	11	11	10
White Fir	14	31		1	1	1
<b>Unit Totals</b>	<b>154</b>	<b>327</b>	<b>3</b>	<b>12</b>	<b>12</b>	<b>11</b>

**Unit : 31-8-30                      6 Acres                      0 Regen                      0 Partial                      6 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	491	1,595	15	60	60	56
Ponderosa Pine	37	99	8	5	5	4
White Fir	19	59	1	3	3	3
Incense-cedar	9	20		1	1	1
<b>Unit Totals</b>	<b>556</b>	<b>1,773</b>	<b>24</b>	<b>69</b>	<b>69</b>	<b>64</b>

**Unit : 31-8-31                      5 Acres                      0 Regen                      0 Partial                      5 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	349	1,086	10	41	41	38
Incense-cedar	7	8				
White Fir	2	3				
<b>Unit Totals</b>	<b>358</b>	<b>1,097</b>	<b>10</b>	<b>41</b>	<b>41</b>	<b>38</b>

**Unit : 31-8-31.1                      8 Acres                      0 Regen                      0 Partial                      8 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	518	1,593	15	59	58	57
Ponderosa Pine	21	44		2	2	2
White Fir	1	1				
Incense-cedar	12	15				
<b>Unit Totals</b>	<b>552</b>	<b>1,653</b>	<b>15</b>	<b>61</b>	<b>60</b>	<b>59</b>

**Unit : 31-8-31.2                      6 Acres                      0 Regen                      0 Partial                      6 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	526	1,123	11	42	42	40
Ponderosa Pine	30	64	1	3	3	3
White Fir	52	110	1	3	3	3

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

Medford  
Elk Valley Roadway  
TS-11-07

Incense-cedar	44	53		2	2	2
<b>Unit Totals</b>	<b>652</b>	<b>1,350</b>	<b>13</b>	<b>50</b>	<b>50</b>	<b>48</b>

**Unit : 31-8-31.3                      3 Acres                      0 Regen                      0 Partial                      3 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	335	764	7	29	29	27
Ponderosa Pine	106	253	10	12	12	11
White Fir	9	22		1	1	1
Incense-cedar	10	12				
<b>Unit Totals</b>	<b>460</b>	<b>1,051</b>	<b>17</b>	<b>42</b>	<b>42</b>	<b>39</b>

**Unit : 31-9-36                      4 Acres                      0 Regen                      0 Partial                      4 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	424	829	8	31	31	29
White Fir	35	75		2	2	2
Ponderosa Pine	1	2				
Incense-cedar	2	2				
<b>Unit Totals</b>	<b>462</b>	<b>908</b>	<b>8</b>	<b>33</b>	<b>33</b>	<b>31</b>

**Unit : 32-8-4                      6 Acres                      0 Regen                      0 Partial                      6 R/W**

<b>SpeciesName</b>	<b># of Trees</b>	<b>Merch Logs</b>	<b>Cull Logs</b>	<b>16' MBF Gross</b>	<b>16' MBF GM</b>	<b>16' MBF Net</b>
Douglas-fir	478	1,106	10	42	41	39
Ponderosa Pine	1	2				
White Fir	14	18				
<b>Unit Totals</b>	<b>493</b>	<b>1,126</b>	<b>10</b>	<b>42</b>	<b>41</b>	<b>39</b>

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Stump to Truck Costs**

Medford  
Elk Valley Roadway  
TS-11-07

**Total (16' MBF)**

<b>Total Stump to Truck Costs</b>	<b>Net Volume</b>	<b>Cost / Net Volume</b>
\$88,073.75	638	\$138.05

---

**Detail**

**Yarding & Loading**

<b>Yarding System</b>	<b>Unit Of Measure</b>	<b>Units</b>	<b>Cost / Unit</b>	<b>Total Cost</b>
Cut To Length	mbf	667	\$36.45	\$24,312.15
<b>Subtotal</b>				<b>\$24,312.15</b>

**Other Costs**

<b>Explanation</b>	<b>Unit Of Measure</b>	<b>Units</b>	<b>Cost / Unit</b>	<b>Total Cost</b>
Loaders (2)	mbf	667	\$84.80	\$56,561.60
<b>Subtotal</b>				<b>\$56,561.60</b>

**Additional Move-Ins**

<b>Equipment</b>	<b># Move-In</b>	<b>Cost / Move In</b>	<b>Total Cost</b>
Yarder / Loader	6	\$1,200.00	\$7,200.00
<b>Subtotal</b>			<b>\$7,200.00</b>

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

Medford  
Elk Valley Roadway  
TS-11-07

**Other Allowances Costs**

**Total (16' MBF)**

<b>Total Other Allowances Costs</b>	<b>Net Volume</b>	<b>Cost / Net Volume *</b>	<b>Total Buy Out Cost</b>
\$25,942.70	638	\$40.66	\$0.00

Misc

**Detail (16' MBF)**

<b>Cost Item</b>	<b>Total Cost</b>	<b>Cost / Net Vol *</b>	<b>Buy Out</b>	<b>Buy Out Cost</b>
Biomass Slash Hauling	7,557.80	11.85	N	0.00
Pulp Hauling	5,760.90	9.03	N	0.00
Mastication	7,400.00	11.60		0.00
<b>Subtotal</b>	<b>20,718.70</b>	<b>32.47</b>		<b>0.00</b>

Other Costs

**Detail (16' MBF)**

<b>Cost Item</b>	<b>Total Cost</b>	<b>Cost / Net Vol *</b>	<b>Buy Out</b>	<b>Buy Out Cost</b>
Stream and Culvert Cleaning	640.00	1.00	N	0.00
Landing Clean up	3,000.00	4.70	N	0.00
Landing Construction	1,200.00	1.88	N	0.00
Equipment Washing	384.00	0.60	N	0.00
<b>Subtotal</b>	<b>5,224.00</b>	<b>8.19</b>		<b>0.00</b>

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

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

Medford  
Elk Valley Roadway  
TS-11-07

---

**General**

March 11 pricing.  
The 830 Tons of biomass sold at \$.10 added \$.14 to the stumpage price of Douglas fir and is shown as marginal log volume on the stumpage summary.

**Yarding & Loading**

Cut to Length consists of a Harvester cutting and processing logs along a road.  
Both loaders to be used loading logs and biomass.

**Road Costs**

(see Engineering Appraisal for details).

**Transportation**

Cost appraised for sawlogs to Glendale. Used 4.50 diesel fuel prices.

(see Transportation appendix for details).

**Other Allowances**

Biomass slash hauling appraised to Riddle in dump trucks (15 Tons/Truck).  
Pulp hauling appraised to Dillard on Mule Train (28 Tons/Truck).  
Used \$4.50 diesel fuel cost.

**Prospectus**

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
MEDFORD DISTRICT  
ELK VALLEY ROADWAY TIMBER SALE  
TRACT NO. TS-11-07

EXHIBIT C 1  
SHEET 1 OF 1

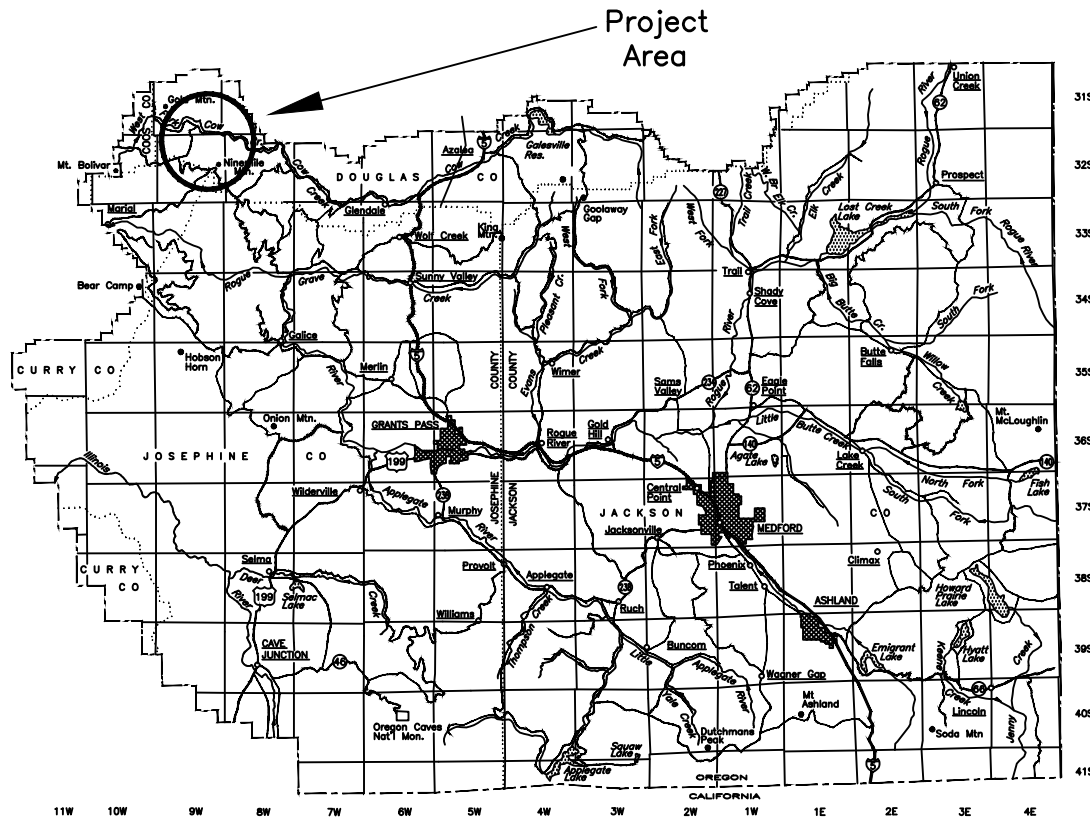
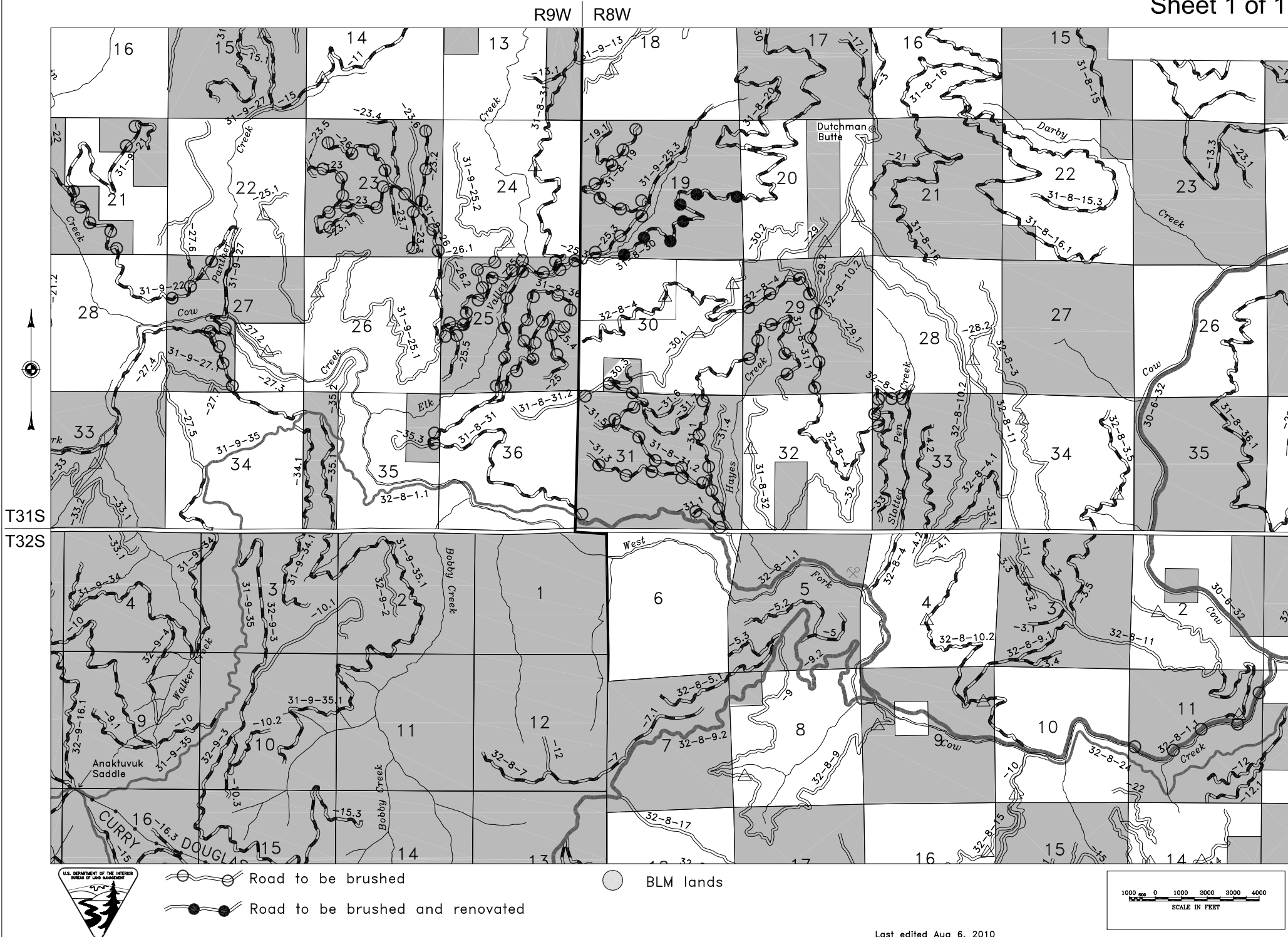


Exhibit No.	Description
C1	TITLE SHEET
C2	ROAD LOCATION MAP
C3	ESTIMATE OF QUANTITIES SHEET
C4	SPECIFICATION SHEET
C5	CULVERT INSTALLATION SHEET
C6	ROADSIDE DAYLIGHTING DETAIL
C7	RENOVATION WORKLIST
C8	SPECIFICATION SECTION
C9	SPECIAL PROVISIONS & WRITTEN SPECS
D1	ROAD MAINTENANCE SPECIFICATIONS
D2	ROAD MAINTENANCE MAP

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:	DWW	SCALE AS SHOWN	
DATE	FEBRUARY 2011	SHEET	OF
DRAWING NO.	OR-11-9113.4-1		





ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		CORRUGATED METAL PIPE								RENOVATION	WATER DIPS/ CROSS DRAINS	ELK VALLEY ROADWAY T.S.									
					ROCK	COMMON	SIZE				DOWNSPOUT						EXHIBIT C-3		SHEET 1 OF 1							
							12"	18"	24"	ELBOWS	FULL/HALF ROUND	FULL/HALF ROUND	RECT. FLUME	RECT. FLUME			LIGNIN	AGGREGATE**			SLOPE PROTECTION	CHIPPING	ROADSIDE DAYLIGHTING	STEEL PIPE GATE		
																		PIT RUN	CRUSHED BASE	CRUSHED SURFACE						
SPECIFICATION NO.→→→→→→→→→→				200	300	300	400	400	400	400	400	400	400	400	500			700	1000	1200	1400		2100			
UNIT→→	MP/STA	MP/STA	MILE/STA	ACRE	C.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	MILE	EA.	MILE	C.Y.	C.Y.	C.Y.	C.Y.	TONS	MILE	EA.		
31-8-19	0+00	73+92	1.4																				1.4			
31-8-30	11+09	110+88	1.9						30						1.5					10				1.9		
31-8-31	0+00	216+48	4.1																					1.8		
31-8-31.1	0+00	180+05	3.4																					2.7		
31-8-31.2	0+00	103+49	2.0																					1.9		
31-8-31.3	0+00	47+52	0.9																					0.9		
31-9-21	0+00	63+36	1.2																					0.4		
31-9-22	0+00	95+04	1.8																					1.3		
31-9-23	0+00	52+80	1.0																					1.0		
31-9-23.1	0+00	21+12	0.4																					0.4		
31-9-23.2	0+00	36+96	0.7																					0.6		
31-9-23.3	0+00	21+12	0.4																					0.4		
31-9-25	0+00	42+24	0.8																					0.8		
31-9-25.1	0+00	63+36	1.2																					1.2		
31-9-25.2	0+00	21+12	0.4																					0.4		
31-9-25.3	0+00	47+52	0.9																					0.9		
31-9-25.4	0+00	10+56	0.2																					0.2		
31-9-25.5	0+00	15+84	0.3																					0.2		
31-9-26	30+10	79+20	1.5																					1.5		
31-9-27	0+00	31+68	0.6																					0.6		
31-9-36	10+56	89+76	1.5																					1.5		
32-8-1.1	566+54	21+12	1.0																					1.0		
32-8-4	84+48	290+40	3.9																					2.0		
			31.6																			25				

ITEM 900  
SIZE   GRADE  
 4 inch   A  
 3 inch   B  
 2 inch   C  
 1 1/2 inch   D

ITEM 1000  
SIZE   GRADE  
 3 inch   A,F  
 2 inch   B,C,G  
 1 1/2 inch   D  
 1 inch   E

ITEM 1200  
SIZE   GRADE  
 1 1/2inch   C,C-1  
 1 inch   D,F  
 3/4inch   E,E-1

\* Pit run rock required for water dips.

= Extra excavation required for bottom lay installaion  
 \*\*Indicate gradation in circle. ○

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

ALWAYS  
 THINK  
 SAFETY

REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<b>ESTIMATE OF QUANTITIES*</b>			
DESIGNED	_____		
REVIEWED	_____		
APPROVED	_____		
DRAWN CLS	SCALE	NONE	
DATE 7/10	SHEET	OF	
DRAWING NO.			

ROAD NUMBER	BEGIN MILE POST	END MILE POST	LENGTH	TYPICAL SECT. TYPE	ALLINMENT		ROAD WIDTH^1-3		GRADIENT		BRUSHING WIDTH				SURFACING^3								REMARKS
					MAX DEGREE OF CURVE	SUBGRADE	DITCH	MAX FAVORABLE	MAX ADVERSE	BEYOND		EXISTING RD		BASE COURSE				SURFACE COURSE					
										TOP CUT	TOE FILL	L	R	MIN. WIDTH	COMP. DEPTH	TYPE^2	GRADING	MIN. WIDTH	COMP. DEPTH	TYPE^2	GRADING		
31-8-19	0.00	1.4	1.4			15												8			GRR		
31-8-30	0.21	2.11	1.9			14												8			GRR		
31-8-31	0.00	4.1	4.1			18												6			ASC		
31-8-31.1	0.00	3.41	3.4			14												8			ASC		
31-8-31.2	0.00	1.96	2.0			17												8			ASC		
31-8-31.3	0.00	0.9	0.9			17												8			PRR		
31-9-21	0.00	1.2	1.2			12												6			PRR		
31-9-22	0.00	1.8	1.8			14												6			PRR		
31-9-23	0.00	1	1.0			14												6			PRR		
31-9-23.1	0.00	0.4	0.4			14												6			PRR		
31-9-23.2	0.00	0.7	0.7			14												8			PRR		
31-9-23.3	0.00	0.4	0.4			14												6			PRR		
31-9-25	0.00	0.8	0.8			14												4			PRR		
31-9-25.1	0.00	1.2	1.2			16												6			PRR		
31-9-25.2	0.00	0.4	0.4			16												0			NAT		
31-9-25.3	0.00	0.9	0.9			14												6			GRR		
31-9-25.4	0.00	0.2	0.2			14												0			NAT		
31-9-25.5	0.00	0.3	0.3			14												4			PRR		
31-9-26	0.57	2.07	1.5			16												6			GRR/PRR		
31-9-27	0.00	0.6	0.6			17												6			ASC		
31-9-36	0.20	1.7	1.5			16												6			PRR		
32-8-1.1	10.73	11.73	1.0			17												0			BST		
32-8-4	1.60	5.5	3.9			16												8			ASC		
			31.6																				

**ELK VALLEY ROADWAY T.S.**  
**EXHIBIT C-4**      **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.  
22-35 add 2 ft.  
36-48 add 3 ft.  
49-64 add 4 ft.  
65-96 add 5 ft.

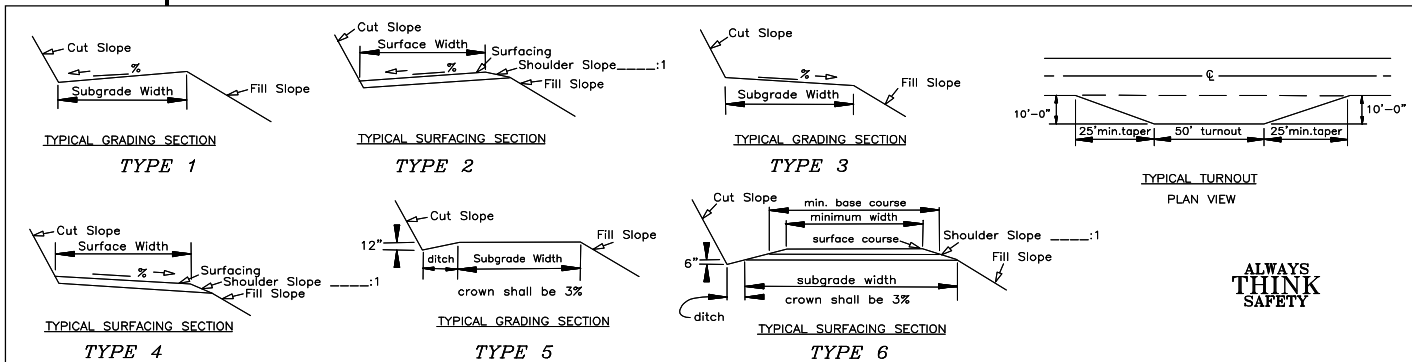
MATERIAL/CUT SLOPES      FILL SLOPE  
common      1/2 : 1      1 1/2 : 1  
soft rock 1/2 : 1      1 1/2 : 1  
& shale  
solid rock 1/2 : 1      angle of repose

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



**ALWAYS  
THINK  
SAFETY**

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

CROSS SECTION AT CATCH BASIN

CATCH BASIN BACK SLOPES SHALL BE CONSTRUCTED TO THE SAME RATIO AS ADJOINING ROAD SECTION BACK SLOPE

ADDITIONAL EXCAVATION

DITCH DAM

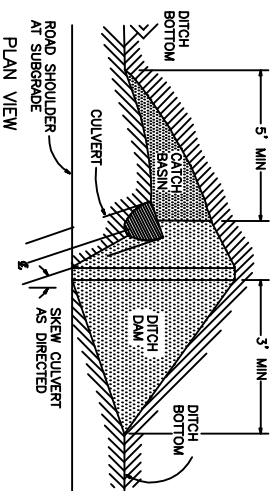
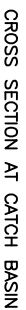
CULVERT

SUBGRADE

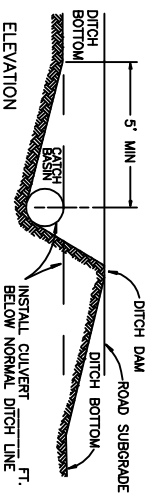
5' MIN.

4'

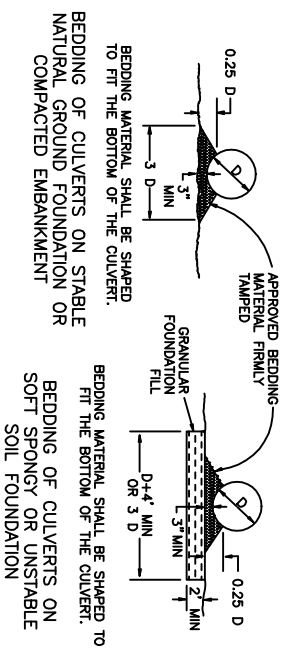
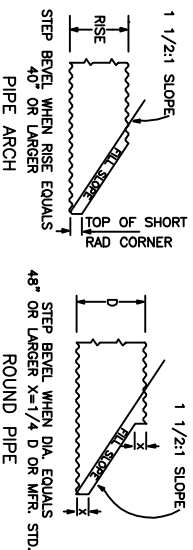
1' MIN.



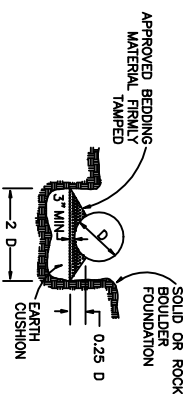
## CATCH BASIN



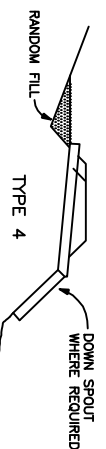
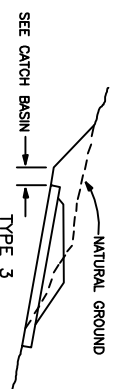
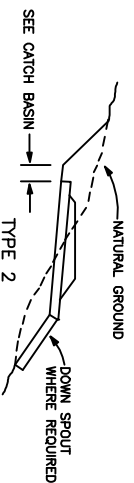
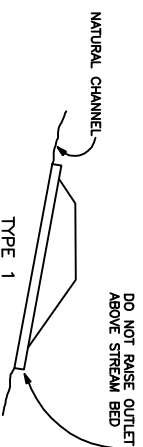
## BEVELED END DETAIL



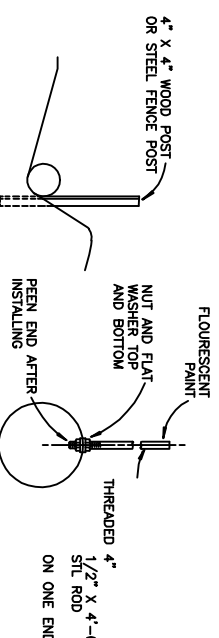
## BEDDING OF CULVERTS



BEDDING OF CULVERT IN SOLID ROCK  
OR BOULDER FOUNDATION

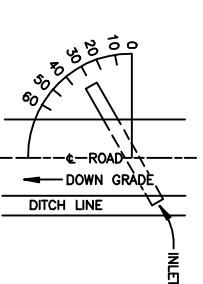


## CULVERT INSTALLATION TYPES



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

## CULVERT MARKER INSTALLATION



THE GRADE OF CROSDRAINS SHALL  
BE AT LEAST 2% GREATER THAN THE  
GRADE OF THE DITCH.

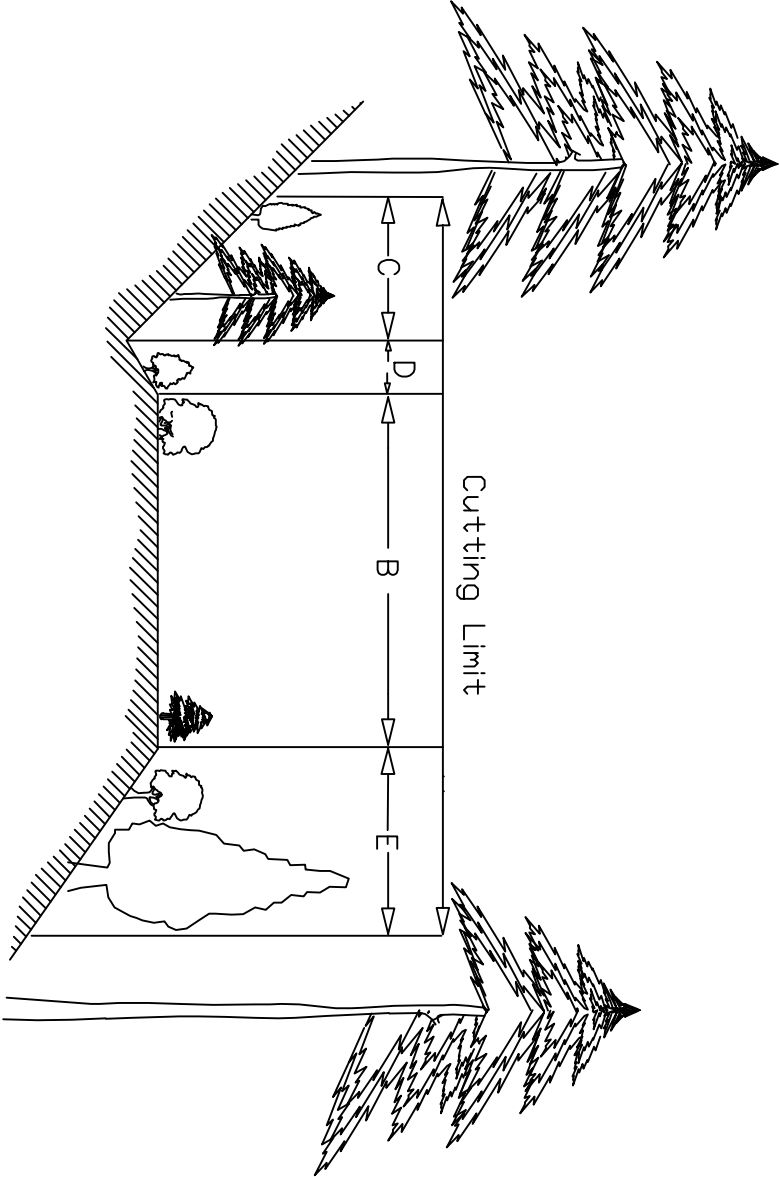
SKREW DIAGRAM

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

**CULVERT INSTALLATION  
DETAILS**

DESIGNED	BLM
REVIEWED	
APPROVED	
DRAWN	CLS
DATE	AUGUST 2010
	SHEET 1 OF 1

DRAWING NO. OR-11-9113.4-1



Cutting Limit = C + D + B + E

B = Road bed subgrade (includes turnouts).

C = Distance of vegetation removal beyond centerline of ditch.

C = As marked on ground, 15 ft maximum slope distance

D = Centerline of ditch to inside shoulder

E = Distance of vegetation removal down the fill slope.

E = As marked on ground, 15 ft maximum slope distance

REV. NO. DESCRIPTION DATE APPROV.	
UNITED STATES DEPARTMENT OF THE INTERIOR	
BUREAU OF LAND MANAGEMENT	
MEDFORD DISTRICT - MEDFORD, OREGON	
<b>ELK VALLEY ROADWAY</b>	
<b>DAYLIGHTING</b>	
Designed _____	
REVIEWED _____	
APPROVED _____	
DRAWN BY _____	SCALE: NONE
DATE 07-10	SHEET 1 OF 1
DRAWING NO.	

## **Elk Valley Roadway Timber Sale Worklist**

### **31-8-30.0 (Segments A1, A2) East Fork Elk Valley Road**

<b><u>MP</u></b>	<b><u>Tasks</u></b>
0.21	Begin road renovation. Clean all culvert inlets, outlets, and catch basins and place debris down slope of ditch dam location. Begin blading road. Clean ditch as staked.
1.63	Remove existing 18” culvert and replace with 24” x 30’ CSP with a 5 cubic yard splash pad. Culvert installation shall be a Type 1.
2.11	End road renovation.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ROAD SPECIFICATIONS

Road No(s).

31-8-19, 31-8-30, 31-8-31, 31-8-31.1, 31-8-31.2, 31-8-31.3, 31-9-21, 31-9-22, 31-9-23, 31-9-23.1, 31-9-23.2, 31-9-23.3, 31-9-25, 31-9-25.1, 31-9-25.2, 31-9-25.3, 31-9-25.4, 31-9-25.5, 31-9-26, 31-9-27, 31-9-36, 32-8-1.1, 32-8-4

T.31 S., R. 8 W., Sections 33, 32, 31, 28, 29, 30, 19,  
T.31 S., R. 9 W., Sections 36, 25, 35, 26, 23, 22, 27, 34, 28, 21

Willamette Meridian

Douglas County, Oregon

INDEX

100	GENERAL
400	PIPE CULVERTS
500	RENOVATION OF EXISTING ROADS
600	WATERING
1200	AGGREGATE SURFACE COURSE (CRUSHED ROCK)
2100	ROADSIDE BRUSHING
3000	GENERAL MAINTENANCE
3100	OPERATIONAL MAINTENANCE
3200	SEASONAL MAINTENANCE
3300	FINAL MAINTENANCE
3400	OTHER MAINTENANCE

GENERAL - 100

101 - Prewrite Conference(s):

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

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

102 - Definitions:

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

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

ACI - American Concrete Institute.

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

ASTM - American Society for Testing and Materials.

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

Burst Strength - The resistance of a geotextile material to rupture from pressure applied at right angles to the plane of the geotextile material under specified



conditions, usually expressed as the amount of pressure causing failure. Rupture or burst results from tensile failure of the geotextile material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Road Centerline - Longitudinal center of roadbed.

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

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

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

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

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

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

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

Spalls - Flakes or chips of stone.

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

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

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

Sub base - 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.

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

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

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

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

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

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

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

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

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

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

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

102a - Tests Used in These Specifications:

<u>AASHTO T 11</u>	Quantity of rock finer than No. 200 sieve.
<u>AASHTO T 27</u>	Sieve analysis of fine and coarse aggregate using sieves with square openings; gradation.
<u>AASHTO T 89</u>	Liquid limit of material passing the No. 40 sieve. Water content at which the soil passes from a plastic to a liquid state.
<u>AASHTO T 90</u>	Plastic limits and plasticity index of soil. a. Plastic limit - lowest water content at which the soil remains plastic. b. Plasticity index - range of water content, within which the material is in a plastic state. Numerical difference between the liquid and plastic limits of the soil.
<u>AASHTO T 96</u>	Resistance to abrasion of small size coarse aggregate by use of the Los Angeles machine.
<u>AASHTO T 99</u>	Relationship between soil moisture and maximum density of soil. Method A - 4 inch mold, soil passing a No. 4 Sieve.25 blows/layer & 3 layers. Method D - 6 inch mold, soil passing a 19.00mm (3/4 inches) sieve. 56 blows/layer & 5 layers.
<u>AASHTO T 176</u>	Shows relative portions of fine dust or clay-like materials in soil or graded aggregate.

<u>AASHTO T 180</u>	(OSHD 106-71) moisture density relationship of soil same as AASHTO T 99 proctor but uses a 10-lb rammer and 18-in drop.
<u>AASHTO T 191</u>	<u>Sand Cone.</u> Density of soil in place: For subgrade use 6-inch or 12-inch cone. For rock surfacing for 1-1/2-inch minus to 3-inch minus use 12-inch cone.
<u>AASHTO T 205</u>	<u>Rubber balloon.</u> Density of soil in place. Use for compacted or firmly bonded soil.
<u>AASHTO T 210</u>	Durability of aggregates based on resistance to produce fines.
<u>AASHTO T 224</u>	Correction for coarse particles in the soil.
<u>AASHTO T 238</u>	Determination of density of soil and soil-aggregates in place by nuclear methods.
<u>AASHTO T 248</u>	Reducing field samples of aggregate to testing size by mechanical splitter, quartering, or miniature stockpile sampling.
<u>DES. E-12</u>	Determination of relative density of cohesionless soils.
<u>DMSO (dimethyl sulfide)</u>	- Determines volume of expanding clays in aggregates. Usually associated with marine basalts.

103 - Compaction equipment shall meet the following requirements:

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

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

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

**PIPE CULVERTS – 400**

- 401 - This work shall consist of furnishing and installing pipe culverts, downspouts, elbows, and other erosion control device(s) in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Individual lengths and locations are approximate; final lengths and locations will be determined by the Authorized Officer. Additional pipe may be required at the option of the Authorized Officer, in which case a reduction in the total purchase price shall be made to offset the cost of furnishing and installing such items. Costs will be based upon the unit prices set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 403 - Grade culverts shall have a gradient of from 2 percent to 4 percent greater than the adjacent road grade, and shall be perpendicular to the centerline, unless otherwise specified on the plans.
- 404 - Damage to the spelter, or burn back in excess of 3/8 inch, shall be wire brushed and painted with two coats of zinc-rich paint on zinc-coated and aluminum-rich paint on aluminum or aluminum-coated pipe.
- 405 - Corrugated steel riveted and helical pipe culverts and pipe-arch culverts and special sections shall conform to the requirements of AASHTO M 274 as specified on the plans.
- \*405a - Corrugated-steel-welded pipe culverts and pipe-arch culverts and special sections shall conform to the requirements of AASHTO M 274 as specified on the plans.
- 406 - Coupling bands shall conform to the requirements of AASHTO M 274 with the exception of band widths and the "Hugger"-type band, which shall conform to the details, dimensions, and typical diagram shown on the plans.
- 406a - "Hugger"-type coupling bands shall only be used with annular corrugated which shall consist of two 2 annular corrugations.
- 408 - Pipe culverts and pipe-arch culverts shall be placed on the bed starting at the downstream end with the inside circumferential laps pointing downstream and with the longitudinal laps at the side or quarter points. Coupling bands of the types required under these specifications shall be installed so as to provide the circumferential and



- longitudinal strength necessary to preserve the pipe alignment, prevent separation of the pipe sections, and minimize infiltration of fill material.
- \*410 - Pipe shall be unloaded and handled with reasonable care. If the Authorized Officer determines any structure is damaged to the extent that it is unsuitable for use in the road construction, it shall be replaced at the Purchaser's expense.
  - 411 - Trenches necessary for the installation of pipe culverts shall conform to the lines, grades, dimensions and typical diagram included in the plans and the Culvert Installation Detail Sheet.
  - \*412 - Where ledge rock, boulders, soft, or spongy soils are encountered, they shall be excavated a minimum of 24 inches below the invert grade for a width of at least one pipe diameter or span on each side of the pipe and shall be backfilled with selected granular or fine readily compactable soil material.
  - 414 - The invert grade of the bedding shall be cambered in accordance with the requirements and details shown on the plans and as directed by the Authorized Officer.
  - 414a - The invert grade of the bedding shall be cambered at the middle ordinate a minimum of 1 percent of the total length of the drainage structure. Camber shall be developed on a parabolic curve.
  - 423 - Construction of catch basins and ditch dams conforming to lines, grades, dimensions and typical diagrams shown on the plans, shall be required for grade culverts.
  - 427 - The Purchaser shall record culvert sizes, lengths and location actually installed on a copy of the culvert list. This culvert list shall be furnished to the Authorized Officer.

#### **RENOVATION OF EXISTING ROADS - 500**

- \*501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, cleaning and shaping drainage ditches, trimming vegetation from cut and embankment slopes, and cleaning and repairing drainage structures of existing roads in accordance with these specifications and as shown on the plans.
- 501a - This work shall include the removal and disposal of slides in accordance with these specifications and as shown on the plans.
- 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 or metal tags at the following locations:

Road No.	From	To
31-8-30.0 Seg. A1& A2	0.00	1.50
	Total Miles	1.50

- 502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.
- 506 - The inlet end of existing drainage structures, as shown on the plans, 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.
- 509 - The finished grading shall be approved by the Authorized Officer. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

#### 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 where the road crosses private property.
- 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.

#### AGGREGATE SURFACE COURSE - 1200

### CRUSHED ROCK MATERIAL

- 1201 - This work shall consist of furnishing, hauling, and placing one or more layers of crushed rock material on roadbeds and base courses approved for placing crushed rock material in accordance with these specifications and conforming to the dimensions and typical cross sections shown on the plans. Material not conforming to these specifications will be rejected, and shall be removed from the road.
- 1202 - Crushed rock materials used in this work may be obtained from commercial source(s) selected by the Purchaser at his option and expense, providing the rock materials furnished comply with the specifications in this section.
- 1202a- Crushed rock materials used in this work may be obtained from commercial source(s) selected by the Purchaser at his option and expense, providing the rock materials furnished comply with the specifications in this section.
- 1203 - When crushed rock material is produced from gravel, not less than 75 percent by weight of the particles retained on the No. 4 sieve will have 4 fractured faces. If necessary to meet the above requirements or to eliminate an excess of filler, the gravel shall be screened before crushing.
- 1204 - Crushed rock material shall consist of hard durable rock fragments conforming to the following gradation requirement.

TABLE 1204  
AGGREGATE SURFACE COURSE  
CRUSHED ROCK MATERIAL  
Percentage by weight passing square mesh sieves  
AASHTO T 11 & T 27

Sieve	<u>GRADATION</u>					
<u>Designation</u>	<u>C</u>	<u>C-1</u>	<u>D</u>	<u>D-1</u>	<u>E</u>	<u>S</u>
1-1/2 inch	100	100	-	-	-	-
1 inch	-	-	100	100	-	-
3/4 inch	50-90	60-90	-	70-98	100	100
1/2 inch	-	-	-	-	-	90-100
No. 4	25-50	30-55	30-60	36-60	40-75	0-10
No. 8	-	22-43	-	25-47	-	-
No. 30	-	11-27	-	12-31	-	-
No. 40	5-25	-	5-30	-	5-35	-
No. 200	2-15	3-15	3-15	3-15	2-15	0-1

- 1205 - Crushed rock material retained on the No. 4 sieve shall have a percentage of loss of not more than 35 at 500 revolutions, as determined by AASHTO T 96.
- 1206 - Crushed rock material shall show a durability value of not less than 35 as determined by AASHTO T 210.
- 1206a- The crushed rock material shall show a loss of not more than 10 percent by weight, when submerged in DMSO, dimethyl sulfoxide, for five days, according to Federal Highway Administration Region 10 Accelerated Weathering Test Procedure.

1207 - That portion of crushed rock material passing the No. 40 sieve, including blending filler, shall have liquid limits of not more than 35 and a plasticity index of not less than 4 and not more than 12 as determined by AASHTO T 89 and AASHTO T 90.

1207a- That portion of crushed rock material passing No. 4 sieve, including blending filler, shall have a sand equivalent of not less than 35, as determined by AASHTO T 176, except where that portion exhibits a sand equivalence of less than 35, the aggregate will be accepted if it complies with the additional requirement as follows:

<u>Sand Equivalent</u>	<u>Percent Passing #200 Sieve AASHTO T 27</u>
34	9
33	8
32	7
31	6
30	5
29 or less	4

1208 - If additional binder or filler material is necessary to meet the grading or plasticity requirements or for satisfactory bonding of the material, it shall be uniformly blended with the crushed rock material at the crushing and screening plant prior to placing on the road, unless otherwise agreed. The material for such purposes shall be obtained from sources approved by the Authorized Officer and shall be free from stones, vegetative matter, and other deleterious materials.

\*1208a- Each layer of crushed rock material shall be thoroughly mixed on the roadbed by alternately blading, to full depth, until a uniform mixture has been obtained. The mixture shall then be spread to full width. When completed, the spreading shall produce a surface which is smooth, presents uniform shoulder lines, and conforms to the specified cross section.

1209 - Shaping and compacting of roadbed and base course shall be completed and approved, prior to placing crushed rock material, in accordance to the requirements of Subsection 300 for placing on the roadbed and. Notification for subgrade inspection, prior to rocking, shall be 3 days prior to that inspection and shall be 10 days prior to start of rocking operations.

1210 - Crushed rock material conforming to the requirements of these specifications shall be placed on the approved roadbed and base course in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans and staked on the ground. Compacted layers shall not exceed 4 inches in depth. When more than one layer is required, each shall be shaped, processed, compacted, and approved by the Authorized Officer before the succeeding layer is placed. Irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and then adding or removing crushed rock material until the surface is smooth and uniform.

- 1210a-      Crushed rock material used to repair or reinforce soft, muddy, frozen, yielding, or rutted roadbed shall not be construed as surfacing required by this specification.
  
- 1211 -      Each layer of crushed rock material placed, processed, and shaped as specified shall be moistened or dried to a uniform moisture content suitable for maximum compaction and compacted to full width by compacting equipment conforming to the requirements of Subsection 103f and 103h. Roller shall be operated over the full width of each layer until visual displacement ceases, but not fewer than three complete passes.

### 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. Roadway Daylighting: Every effort will be made to reduce scarring of tree trunks or boles. **All culvert inlets and outlets shall be brushed for a radius of four (4) feet.**

4. Roadway Daylighting (see Exhibit C-6; Roadway Daylighting Detail):

Cutting Requirements:

All Vegetation shall be cut to a maximum height of twelve (12) inches above the ground surface or above obstructions such as rocks or stumps in the areas designated as C (cut bank), and E (fill slope) of Exhibit C-6.

All Vegetation shall be cut to a maximum height of one (1) inch above the ground and running surface in the area designated as D and B of Exhibit C-6. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.

Debris handling:

Debris resulting from Roadway Daylighting within the area designated as E (fill slope) on the daylighting detail shall be cut so it would not exceed 12 inches in height from the ground. Debris would be removed as dirt-free biomass. Any remaining vegetation will be scattered in a discontinuous pattern across the forest floor to a maximum depth of one (1) foot vertical height.

Debris resulting from daylighting operations within the areas designated as C, D and B, shall be removed as dirt-free biomass. Any remaining vegetative debris shall be scattered in a discontinuous pattern into area E (over fill slopes into



the forest stands) and - or onto area C (cut banks). Debris shall not be allowed to accumulate in area C (cut banks) but shall be spread evenly to a maximum depth of two (2) inches. No debris will be allowed within areas D and B (roadways, drainage ditches, or within channel bottoms or streams). Vegetation to be treated in areas C, D, and B shall be mechanically removed as dirt-free biomass, chipped or reduced in a manner that 95 percent of the material produced are no larger than two (2) inches by two (2) inches in size. Contractor utilization of chips or reduced material permitted with prior Authorized Officer's notification.

Stump removal:

All stumps designated by the Authorized Officer and that would interfere with normal Motor Patrol Blading within areas D and B (including turnouts) shall be removed. Stumps seven (7) inches and less shall be removed in such a way as to not cause damage to drainage ditch or road. Stumps larger than seven (7) inches shall be ground down to a minimum of three (3) inches below ground or road surfacing level unless a prior written agreement is in place with the Authorized Officer.

5. All disturbed soil shall be seeded and mulched. Purchaser shall apply native grass seed and Certified Weed Free straw mulch for soil stabilization operations. BLM will furnish native grass seed **if available**. Certified weed free straw mulch will be the responsibility of the contractor.
6. The Purchaser shall clean culvert inlets or install new culverts located in stream channels between **July 1 and September 15** in accordance with Oregon Department of Fish and Wildlife (ODFW) in-stream work period guidelines.

EXHIBIT D-1  
Sale Name: Elk Valley Roadway  
Contract No. TS11-07

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
  
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

EXHIBIT D-1  
Sale Name: Elk Valley Roadway  
Contract No. TS11-07

GENERAL MAINTENANCE - 3000

- 3001 - The Purchaser shall be required to maintain all roads listed and/or referenced in Section 41(C)(5) Special Provisions of this contract in accordance with Sections 3000, 3100, 3200, 3300 and 3400 of this exhibit.
- 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 3104, and 3105.
- 3004 - The Purchaser shall be responsible for providing timely maintenance and cleanup on any road with logging units substantially completed 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

- 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.
- 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.
- 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 chipped.
- 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.

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.

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.

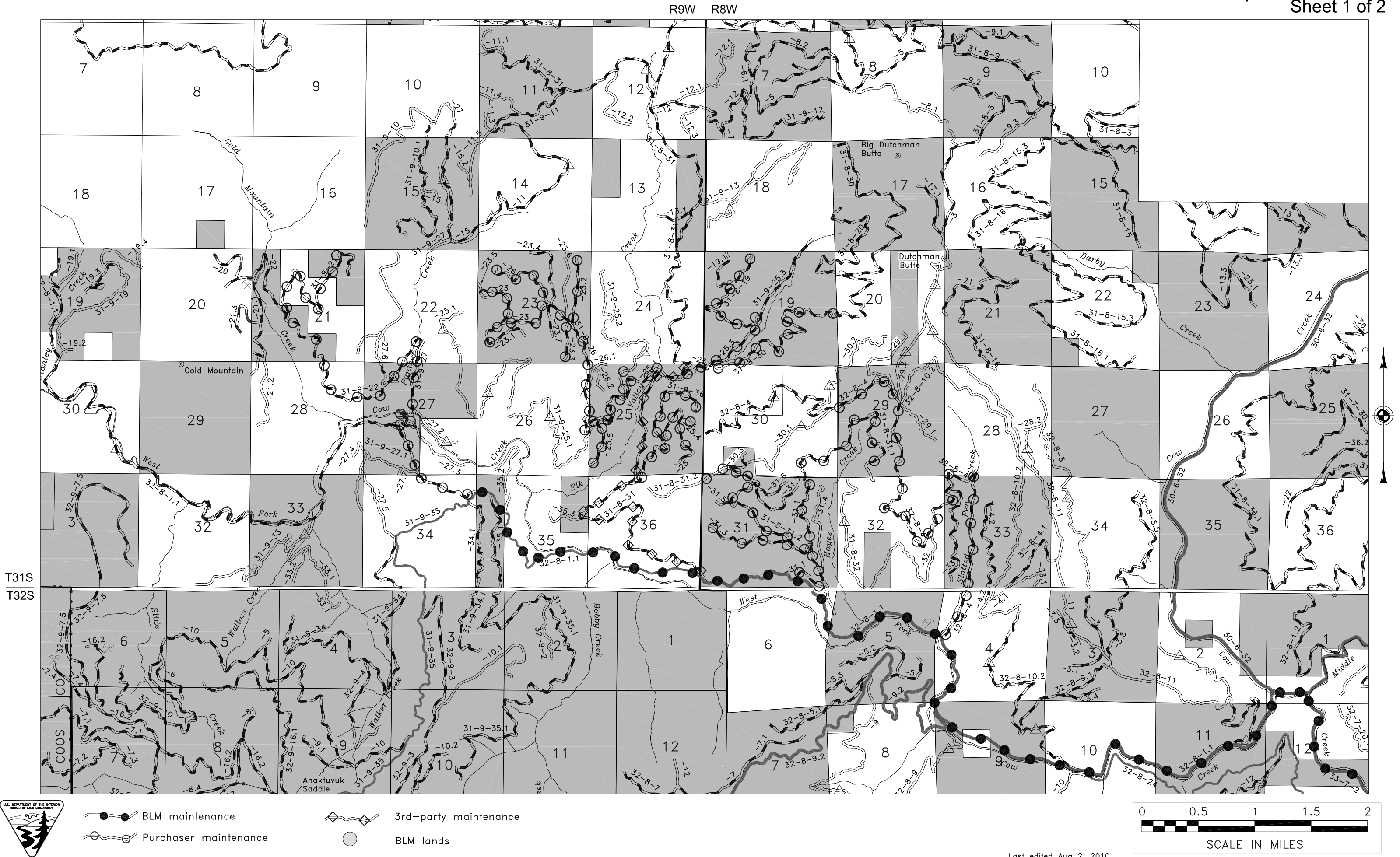
EXHIBIT D-1  
Elk Valley Roadway  
Contract No. TS11-07

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.

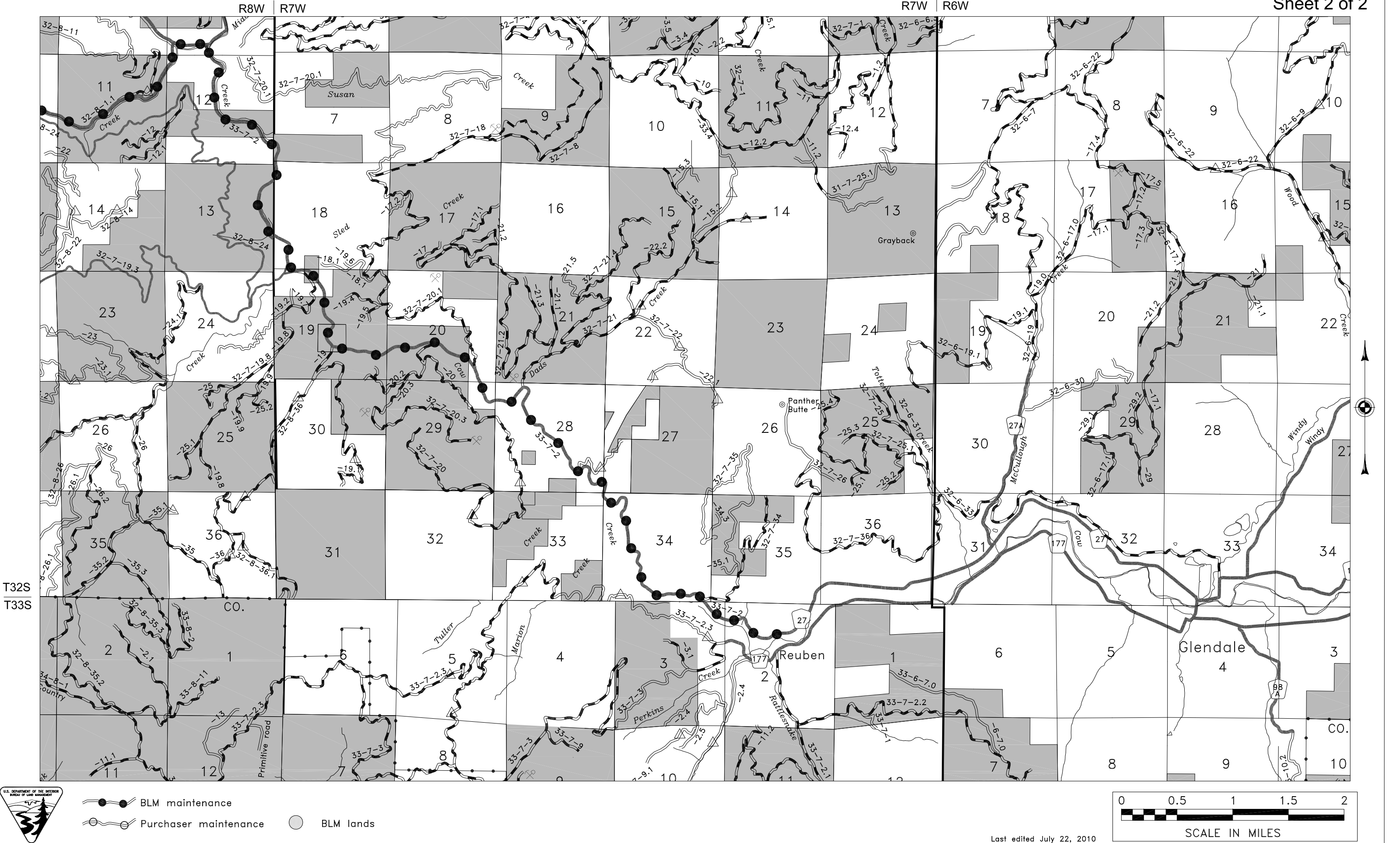
OTHER MAINTENANCE - 3400

- 3401 - The Purchaser shall repair any damage to road surfaces that was specified under Subsection 3108. 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. The BLM will provide labor and equipment for necessary repairs at the Purchaser's expense.
- 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.







UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

1. Road Use Fees - Amortization

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

(1) Subtotal

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
33-7-2	A BST2	10.96	0.31 638	\$2167.67
32-8-1.1.C	A BST2	2.90	0.31 58	\$52.14
32-8-1.1B2	A BST2	3.49	0.31 638	\$690.25
32-8-1.1.B1	A BST2	1.44	0.31 395	\$176.33
32-8-1.1.A	A BST2	2.40	0.31 541	\$402.50

(2.1) Subtotal \$3488.90

- 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
33-7-2	A BST2	10.96	0.11 10	\$12.06
32-8-1.1	A BST2	3.49	0.11 10	\$3.84

(3.1) Subtotal \$15.90

- 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	Maint Mi	Vol x Fee x MBF	Total = Maint	Rkwear Vol Mi x Fee x MBF	Total = Rkwear	
31-8-31.A	A	2.50	0.53	366 \$484.95			
31-8-31.B	A	1.30	0.53	359 \$247.35			
31-8-31.C	A	0.36	0.53	104 \$19.84			

(4.1) Subtotal \$752.14

(4.2) Subtotal \$0.00

- 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
31-9-21	N	0.80	0.55	21	\$9.24				
31-9-22	N	1.15	0.55	43	\$27.20				
32-8-1.1	N	0.50	0.55	58	\$15.95				
31-9-23	N	0.25	0.55	13	\$1.79				
31-9-23	N	0.25	0.55	32	\$4.40				
31-9-26	N	0.14	0.55	82	\$6.31				
31-9-23.3	N	0.20	0.55	6	\$0.66				
31-9-23.2	N	0.35	0.55	19	\$3.66				
31-9-26	N	0.26	0.55	107	\$15.30				
31-9-25.2	N	0.20	0.00	10	\$0.00	0.00	0.00	0	\$0.00
31-9-25.5	N	0.10	0.55	5	\$0.28				
31-9-25.1	N	0.19	0.00	91	\$0.00	0.00	0.00	0	\$0.00
31-9-25.1	N	0.16	0.00	104	\$0.00	0.00	0.00	0	\$0.00
31-9-25.1	N	0.26	0.00	118	\$0.00	0.00	0.00	0	\$0.00
31-8-19	N	1.09	0.55	29	\$17.39				
31-9-25.3	N	0.63	0.55	54	\$18.56				
31-8-30	N	1.70	0.55	64	\$59.84	1.70	0.55	10	\$9.35
31-9-25.3	N	0.15	0.55	115	\$9.49				
31-9-25.4	N	0.10	0.00	9	\$0.00	0.00	0.00	0	\$0.00
31-9-25	N	0.10	0.55	14	\$0.77				
31-9-25	N	0.45	0.55	38	\$9.41				
31-9-36	N	0.75	0.55	69	\$28.46				
31-8-31.2	N	0.85	0.55	41	\$19.17				
31-8-31.3	N	0.45	0.55	39	\$9.65				
31-8-31.2	N	0.15	0.55	87	\$7.18				
31-8-31.1	N	0.63	0.55	40	\$13.75				
31-8-31.1	N	0.85	0.55	146	\$68.26				
32-8-4	N	2.60	0.55	97	\$138.71				
31-8-30	N	0.50	0.55	64	\$17.60	1.90	0.55	10	\$10.45
31-9-26	N	0.80	0.55	107	\$47.08				
31-9-26	N	0.43	0.55	39	\$9.22				

(7.1) Subtotal \$559.31

(7.2) Subtotal \$19.80

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 Units	Move x in	Cost/ 50 Mi	Dist x Factor	Sub- = total
Motor Grader:	1	1	\$335.00	0.67	\$224.45
Brusher:	1	1	\$335.00	0.67	\$224.45
Loader:	1	1	\$335.00	0.67	\$224.45
Water Truck:			\$206.00	0.59	\$0.00
Dump Truck 2/:	1	1	\$214.00	0.59	\$126.26

(7.3A) Total \$799.61

- 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
30		97.48		\$2924.50

(7.3B) Total \$2924.50

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

### 7.3C Grading (Includes Ditches and Shoulders) 1/

	Miles	x	Cost/Mi	x Freq	= Subtotal
Blade Road:	5.00		459.60	1	\$2298.00
Blade Ditch:	0.00		153.20	0	\$0.00

(7.3C) Total \$2298.00

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

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

Type 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
0.00		0				0		0		0.0
Load & Haul-Roundtrip =				0.0		0		0		0.0
Fixed Hours (3000 Gal. tanker)										
										Total Hours = 0.0

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

(7.3E) Total \$0.00

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

## 7.3F Surface Repair (Aggregate)

Production Cost: 1/	0 C.Y. x \$0.00/C.Y.	=	\$0.00
Haul to Stockpile:	0 C.Y. x \$2.18/C.Y. x 0.00 Mi	=	\$0.00
Stockpile:	0 C.Y. x \$1.18/C.Y.	=	\$0.00
Load from Stockpile:	10 C.Y. x \$1.30/C.Y.	=	\$13.00
Haul from Stockpile:	10 C.Y. x \$2.18/C.Y. x 3.00 Mi	=	\$65.40
Process with Grader:	10 C.Y. x \$1.00/C.Y.	=	\$10.00

(7.3F) Total \$88.40

1/ Use unit cost from Road Construction Cost Guide.

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

(7.3G) Total

## 7.3H Other

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

(7.3H) Total \$0.00

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Summary of All Roads and Projects

T.S. Update 04/15/10

T.S. Contract Name: Elk Valley Roadway T Sale Date: 3/2011

Prepared by: DWW Ph: 471-6628 Print Date: 3/9/2011 6:47:44 AM

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

Improve: 109.77 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: .....	\$1,135.80
Culvert: 30 lf   wt = 480 lbs   factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$4,435.67
Blading 1.50 mi	
Slide Removal 10 cy	
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. \$2,407.12 Surf. \$0.00.....	\$2,407.12
Quarry Development: .....	\$0.00

Total: 638 mbf @ \$12.51/mbf = \$7,978.59

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

File U:\docs\Elk Valley.mdb



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Elk Valley Roadway T Sale Date: 3/2011

**Road Number: 31-8-30** Road Name: E Fork Elk Valley

Road Improvement: 2.08 mi 14 ft Subgrade ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$1,135.80
Culvert: 30 lf    wt = 480 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$4,435.67
Blading 1.50 mi	
Slide Removal 10 cy	
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. \$2,407.12 Surf. \$0.00.....	\$2,407.12
Quarry Development: .....	\$0.00
Total:	\$7,978.59

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 31-8-30 Road Name: E Fork Elk Valley

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Excavation - Solid: \$7.06/cy x 0 cy = \$0.00

Compaction - Rock: \$0.62/cy x 0 cy = \$0.00

End Hauling - Grades over 15%: \$2.54/yd-mi x 0 yd-mi = \$0.00

Blading: \$39.97/station x 0.00 stations = \$0.00

Subtotal: \$0.00

Section 400 Drainage:

Aluminized 24 inch 16 ga 30 lf x \$31.55/lf x 1.2 = \$1,135.80

Subtotal: \$1,135.80

Section 500 Renovation:

Slide Removal 10 cy

Blading: \$459.60/mi x 1.50 mi = \$689.40

Scarification: \$766.01/mi x 1.00 mi = \$766.01

Pull Ditches: \$153.20/mi x 1.00 mi = \$153.20

Compaction: \$1689.74/mi x 1.50 mi = \$2,534.61

Clean Culverts: \$292.45/mi x 1.00 mi = \$292.45

Subtotal: \$4,435.67

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 100.00% of total Costs = \$2,407.12

Road Number: 31-8-30 E Fork Elk Valley Continued

surfacing = 0% \$0.00

Subtotal: \$2,407.12

Quarry Development:

Subtotal: \$0.00

Total: \$7,978.59

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Mobilization Costs - Construction and Surfacing**

T.S. Contract Name: Elk Valley Roadway T Sale Date: 3/2011

Average Mobilization distance = 30 miles Factor = 0.67

Mobilization: Construction

Fire Equipment: 1 ea x (0.67 x \$126.00/ea + 0 mi x \$3.36/mi)= \$84.42  
Graders-all: 1 ea x (0.67 x \$335.00/ea + 0 mi x \$11.99/mi)= \$224.45  
Rollers & Comp: 1 ea x (0.67 x \$335.00/ea + 0 mi x \$19.20/mi)= \$224.45  
RTBackhoes 24/30: 1 ea x (0.67 x \$335.00/ea + 0 mi x \$5.58/mi)= \$224.45  
Tractors <= D7: 1 ea x (0.67 x \$492.00/ea + 15 mi x \$30.48/mi)= \$786.84  
Dump Truck<=10cy: 1 ea x (0.67 x \$187.00/ea + 10 mi x \$3.74/mi)= \$162.69  
Water Truck: 1 ea x (0.67 x \$206.00/ea + 15 mi x \$4.12/mi)= \$199.82  
Lump Sum: \$500.00

Subtotal: \$2,407.12

Mobilization: Surfacing

Graders-all: 0ea x (0.67 x \$335.00/ea + 0 mi x \$11.99/mi)= \$0.00

Subtotal: \$0.00

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Summary of Construction Quantities**

T.S. Contract Name: Elk Valley Roadway T Sale Date: 3/2011

Road Number	Const	Improv	Renov	Decomm	Temp
31-8-30		109.77			

Total Sta:		109.77			
------------	--	--------	--	--	--

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			
31-8-30	Aluminized	24 inch 16 ga	30 lf

500 Renovation		Miles	Slide cy
31-8-30		1.50	10

Totals:		1.50	10
---------	--	------	----

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:		0.0	0.0	0.0
---------	--	-----	-----	-----

1900 Cattleguards

Totals: No Quantities

2100 RoadSide Brushing		acres
------------------------	--	-------

Totals:		0.0
---------	--	-----

Continuation of Construction Quantities

2200 Surface Treatment	tons	L.F.
	Totals:	No Quantities
2300 Engineering	stations	
	Totals:	<u>0.00</u>
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-TS11-07
Sale Name Elk Valley Roadway
Sale Notice (dated) 3/30/2011
BLM District Medford

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

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

Required bid deposited is **\$7,400.00** - - - - - and is enclosed in the form of ☐ cash ☐ money order ☐ bank draft  
☐ cashier's check ☐ certified check ☐ bid bond of corporate surety on approved list of the United States Treasury  
☐ guaranteed remittance approved by the authorized officer.

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

BID SCHEDULE – LUMP SUM SALE

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

BID SUBMITTED					ORAL BID MADE	
PRODUCT SPECIES	UNIT	ESTIMATED VOLUME OR QUANTITY	UNIT PRICE	TOTAL VALUE	UNIT PRICE	TOTAL VALUE
Douglas-fir	MBF	582	X	=	X	=
White fir	MBF	24	X	=	X	=
Ponderosa pine	MBF	26	X	=	X	=
Incense-cedar	MBF	6	X	=	X	=
			X	=	X	=
Total		638	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.  Oral Auction – Submit to Sales Supervisor prior to closing of qualifying period for tract.		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

## 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).