

# P R O S P E C T U S

## THIS IS A SCALE SALE

GLENDALÉ RESOURCE AREA  
JOSEPHINE MASTER UNIT

Medford Sale # OR110-TS11-09  
September 15, 2011 (SQF)

#1. Farout, Douglas County, O&C, P.D.

BID DEPOSIT REQUIRED: **\$41,100.00**

All timber designated for cutting in Lots 8, 9, 10, 11, 12, NE¼SE¼, S½SE¼ Section 7, SW¼NE¼ Section 20, W½NE¼, N½NW¼, SW¼NW¼ Section 29, Lot 11 Section 30, Lots 1, 2, 3, 4, 5, 6, W½NE¼, SE¼ Section 31, T.31 S., R. 8 W.; SW¼NE¼, NW¼, S½ Section 11, SE¼NE¼, E½SE¼ Section 13, W½NE¼, SE¼NE¼, N½NW¼, SW¼NW¼, SE¼ Section 15, N½NE¼, SE¼NE¼ Section 21, SE¼NE¼, S½NW¼, NW¼SW¼, NE¼SE¼, S½SE¼ Section 23, NW¼ Section 27, E½NE¼ Section 35, T. 31 S., R. 9 W., 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
32,528	4,582	9,743	Douglas-fir	5,456	\$72.30	\$394,468.80
4,036	426	959	White Fir	521	**\$30.50	\$15,890.50
41	1	2	Incense-cedar	1	\$155.00	\$155.00
36,605	5,009	10,704	<b>Totals</b>	<b>5,978</b>		<b>\$410,514.30</b>

\*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 Medford Inter-agency Office, located at 3040 Biddle Road, Medford, Oregon, at 9:00 a.m. on Thursday, September 15, 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 Timber has been cruised using the PCMTRE sampling method to select sample trees. The Douglas-fir in the Roadway units has been cruised using the 3-P sampling method to select sample trees.

The sample trees have been measured, utilizing the VOLT system of measurement, and the volume expanded to a total sale volume.

Maps showing the location and description of these sample trees are available at the Grants Pass Interagency Office.

The volume of all other species in the Roadway units has been derived from individual tree measurements taken during a 100% cruise using form class tables for estimating board foot volume of trees in 16-foot logs.

Approximately 0 trees which are considered to be nonmerchantable are designated for cutting. Approximately 1% of the 5,978 Mbf sale volume is salvage material. With respect to merchantable trees of all conifer species: the average tree is 13.4 inches DBHOB; the average gross merchantable log contains 50 bd. ft.; the total gross volume is approximately 6487 M bd. ft.; and 92% recovery is expected. (Average DF is 13.5 inches DBHOB; average gross merchantable log DF contains 51 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 – Thirty (30) units containing three hundred eighty nine (389) acres must be partial cut and sixteen (16) right-of-way units containing twenty five (25) acres of roadway clearing.

CUTTING TIME - Contract duration will be thirty six (36) 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-868 with Roseburg Resources Co.; via Right-of-Way and Road Use Agreement R-851 with Roseburg Resources Co.; via Right-of-Way and Road Use Agreement M-868 with Fruit Growers Supply Company; and via Right-of-Way and Road Use Agreements M-605 with Plum Creek Timberlands, LP. Among other conditions, Agreement M-868 with Roseburg Resources Co. requires an estimated payment of a road use fee of \$6,824.00 and completion of an agreement between the Purchaser and Permittee. Among other conditions, Agreement R-851 with Roseburg Resources Co. requires road maintenance by the Purchaser and an estimated payment of a surface replacement fee of \$583.91 and completion of an agreement between the Purchaser and Permittee. Among other conditions, Agreement M-868 with Fruit Growers Supply Company requires an estimated payment of maintenance fee of \$475.77, an estimated payment of a surface replacement fee of \$303.88, and completion of an agreement between the Purchaser and Permittee. Among other conditions, Agreements M-605 with Plum Creek Timberlands, LP requires an estimated payment of a maintenance fee of \$12,866.10, an estimated payment of a surface replacement fee of \$3,554.74, an estimated payment of a road use fee of \$88.00, and 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 21.72 miles of existing BLM and private roads. BLM will maintain 25.45 miles of the 30-6-32.0 D, 31-8-30.3, 31-8-31.4, 31-9-11.0 A, 31-9-11.0 B, 31-9-11.5, 31-9-23.1, 31-9-25.1 A, 31-9-26.0 B, 32-8-1.1 A, 32-8-1.1 B1, 32-8-1.1 B2, 32-8-1.1 C, 32-8-1.1 D, 33-7-2.0 A, 33-7-2.0B, and 33-7-2.0 C roads. The Purchaser will be required to pay a maintenance fee of \$0.65 per MBF per mile for the use of the 30-6-32.0D, 32-8-1.1 A, 32-8-1.1 B1, 32-8-1.1 B2, 32-8-1.1 C, 33-7-2.0 A, 33-7-2.0 B, and 33-7-2.0 C roads; will be required to pay a maintenance fee of \$0.79 per MBF per mile for the use of the 31-8-31.4 and 31-9-11.5 roads; will be required to pay a maintenance fee of \$1.13 per MBF per mile for the use of the 31-9-25.1 A and 32-8-1.1 D roads; and will be required to pay a maintenance fee of \$1.30 per MBF per mile for the use of the 31-8-30.3, 31-9-11.0 A, 31-9-11.0 B, 31-9-23.1, and 31-9-26.0 B roads. The Purchaser will be required to pay a rockwear fee of \$0.51 per MBF per mile for the use of the 31-8-31.1 A1, 31-8-31.1 A2, 31-8-31.5, 31-8-31.6, 31-8-31.7, 31-9-10.0 A, 31-9-12.0, 31-9-21.0 B, 31-9-23.0, 31-9-23.2, 31-9-

23.3, 31-9-27.0 A, and 32-8-4.0 A.

**ROAD CONSTRUCTION** - The contract will require the Purchaser to construct 78.14 stations of road and reconstruct 11.62 stations of road. Additional information is available in the timber sale prospectus.

**SOIL DAMAGE PREVENTION** - Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall limit mechanical ground-based harvesting and yarding, and temporary route construction/renovation/maintenance in Units 7-1, 11-2, 11-3, 11-4, 11-6, 13-1, 13-3, 15-1, 15-2, 21-2, 21-3, 23-1, 27-1, 27-3, 27-4, 29-1, 29-2, 31-2, 31-3, 31-4, and 35-1 between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. For Units 11-2, 11-3, 11-6, 13-1, 13-3, 15-1, 15-2, 21-2, 21-3, 27-4, 29-1, 29-2, 31-2, 31-3, 31-4, and 35-1, Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall limit haul on the Contract Area and roadway clearing operations in all roadway clearing units from May 15 to October 15 of each year, both days inclusive. For haul on the Contract Area and roadway clearing operations in Units 31-8-29.0, 31-8-30.3, 31-8-31.5, 31-8-31.6, 31-8-31.7, 31-9-10.0, 31-9-13.1, and 31-9-21.0 the 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** – A forty (40) foot tower with one thousand two hundred (1,200) foot cable capacity, lateral yarding capability of seventy five (75) feet, with one end suspension of logs during inhaul, and capable of multi-span. A yarding tractor will not exceed nine (9) feet in width and must be capable of bull-lining seventy five (75) feet. A minimum two hundred (200) flywheel horsepower tractor with mounted rippers no more than thirty six (36) inches apart and capable of ripping to a depth of eighteen (18) inches will be required for decommissioning temporary routes and skid roads. A mechanical harvester with a single-grip felling head capable of reaching and cutting twenty (20) feet slope distance from the road surface, capable of cutting and processing trees up to twenty four (24) inches in diameter at breast height. A piece of equipment capable of chipping or masticating vegetation up to twenty (20) feet slope distance from the edge of the road. Ability to grind or remove selected stumps remaining on the road surface. An anchor is needed to log 20-1.

**BIOMASS**- The roadway clearing harvest treatments will create approximately 68 tons of biomass material.

**SLASH DISPOSAL** - Slash disposal within the commercial thin harvest units will consist of lop and scatter, hand pile and cover hand piles, and machine pile and cover landing piles as described in SD-5 of the Special Provisions. A post logging assessment shall be conducted to determine treatment needs on all of these units. Units 11-3, 11-4, 11-6, 13-1, 13-3, 15-1, 15-2, 23-1, 27-1, 27-2, 31-2, and 35-1 are along main travel routes and will be a higher priority for hand pile and cover treatments. Slash disposal within the roadway clearing harvest units will consist of approximately 4 acres of lop and scatter, 10 acres of biomass removal, 6 acres of chipping, and 1 acre of machine pile and cover machine piles. See Exhibits C-13, C-14, and C-15 for details

about the roadway clearing slash disposal requirements.

**CONTRACT TERMINATION** - A 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 comply with the Endangered Species Act, or comply with a court order, or protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan (RMP). This contract provision limits the liability of the Government to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area.

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

**OTHER** -

1. No extension of time beyond the normal 30 days will be granted for completing bonding and contract signing requirements.
2. All leave trees will be selected by the Purchaser through Designation by Description (DxD) criteria as outlined in Exhibit E, except Unit 11-6 which has already been blue marked (for cut tree removal), and except for the roadway clearing units which have already been yellow marked (for cut tree removal).
3. This contract contains provisions (L-26M) requiring that prior to falling and removal of trees in Units 7-1, 7-2, 11-3, 11-4, 13-1, 13-3, 15-1, 15-2, 21-1, 21-3, 23-1, 23-2, 23-4, 23-5, 29-1, 29-2, and 35-1 as shown on Exhibit A, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations. Prior to falling and removal of trees in Units 11-2, 11-6, 20-1, 21-2, 23-3, 27-1, 27-2, 27-3, 27-4, 31-2, 31-3, and 31-4 as shown on Exhibit A, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
4. The Farout roadway clearing units are associated with an Oregon State University research study. Clearing widths include 5-foot, 10-foot, and 20-foot on both sides of the road. Prior to treating the slash, the Purchaser shall remove all pulpwood created by the clearing. See Exhibits C-13, C-14, and C-15 for full details.
5. Purchaser should be aware that Logging residue reduction costs listed under SD-5 are in addition to costs associated with treating the slash from the roadway clearing units as assessed under Exhibit C-13. Refer to the appraisal for total assessed costs of logging residue reduction.
6. The use of landings and cable corridors that cross private property for Unit 20-1 shall comply with the terms and conditions given in the crossing plat with Roseburg Resources, Co.
7. The temporary route construction for Unit 11-2 crosses private lands owned by Roseburg Resources, Co. and Plum Creek Timberlands, LP. This use must adhere to the terms and conditions given in both of the crossing plats and the plans discussed in both letters from these landowners. Prior to cutting any timber from Yarding corridors or Temp Route 11-2b (Roseburg Resources portion), the Purchaser shall talk with Roseburg Resources,



the owner of the right-of-way timber, about bucking specifications, decking options, and potential buying prices for that timber.

8. Temporary routes constructed and/or renovated and all skid roads within one hundred ninety five (195) feet of streams shall be discontinuously sub-soiled with winged ripper, seeded, water-barred, mulched, and blocked prior to October 15<sup>th</sup> during dry soil conditions upon completion of current harvest and slash disposal treatments.
9. No logging operations shall be conducted on Units 7-2 and 23-5 from May 15 to October 15 of each year, both days inclusive.
10. No roadway clearing operations within Unit 31-9-12.0 or portions of Units 31-9-15.0 and 31-9-27.0D as shown on Exhibit A shall be conducted between March 1 and June 30 of the same calendar year, both days inclusive. This restriction will not apply if it can be shown from Northern Spotted Owl protocol surveys conducted by the Bureau of Land Management in accordance with accepted standards that Northern Spotted Owl nesting and/or fledging activities are not occurring during the year and/or time of harvest.
11. Elk Valley Roadway Timber Sale is in the same planning area and has roadway clearing units adjacent to commercial thinning and roadway clearing units in Farout Timber Sale. Within the Elk Valley Roadway Units, all vegetation shall be cleared to a width of ten (10) feet slope distance from the edge of the road, and all merchantable trees are marked with blue paint. The Elk Valley Roadway Timber Sale was sold in 2011 and has a contract life of twenty four (24) months.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA - From I-5 take Exit 80 to Glendale, 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 - An environmental assessment DOI-BLM-M080-2010-010-EA was prepared for this sale, and a Finding of No Significant Impact has been documented. This document is available for inspection as background for this sale at the Medford District Office.

## Seasonal Restriction Matrix

Farout Timber Sale

OR110-TS11-09

	Allowed Operating Periods
	Restricted To Dry Condition Waiver Required
	Restricted Period, Unless Cleared by BLM Spotted Owl Surveys
	Restricted Period

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

Dry Condition Yarding or Temporary Route-work= No ground-based yarding nor temporary route-work would not occur when soil moisture at a depth of 4-6 inches is wet enough to maintain form when compressed, or when soil moisture at the surface would readily displace, causing ribbons and ruts along equipment tracks. These conditions are generally found when soil moisture, at a depth of 4-10 inches, and between 15-25% depending on soil type.

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units: 11-2, 11-5, 20-1, 21-1, 21-2, 23-2, 23-3, 23-4, 27-2, 29-2	Manual Falling and Bucking																								
	Cable Yarding																								
	Loading, Hauling, Road Construction, Renovation & Maintenance **																								
Units: 11-6, 13-1, 13-3, 21-3, 27-4, 35-1	Manual Falling and Bucking																								
	Mechanical Falling and Bucking, Ground-based Yarding, Loading, Hauling, Road Maintenance**																								
Units: 11-3, 29-1, 31-2, 31-3, 31-4	Manual Falling and Bucking																								
	Cable Yarding																								
	Mechanical Falling and Bucking, Ground-base Yarding, Loading, Hauling, Road Construction, Renovation & Maintenance**																								

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units: 15-1, 15-2	Manual Falling and Bucking																								
	Cable Yarding																								
	Burning Handpiles and Machine Piles																								
	Mechanical Falling and Bucking, Ground-base Yarding, Loading, Hauling, Road Construction, Renovation & Maintenance**																								
Units: 31-8-29.0, 31-8-30.3, 31-8-31.5, 31-8-31.6, 31-8-31.7, 31-9-10.0, 31-9-13.1, 31-9-21.0	Mechanical Falling and Bucking, Ground-based Yarding, Loading, Hauling, Road Maintenance** & Roadway Clearing																								
Units: 7-1, 27-1, 27-3, 31-8-31.0, 31-9-11.0, 31-9-11.4, 31-9-11.5, 31-9-27.6, and portions of 31-9-15.0 and 31-9-27.0	Manual Falling and Bucking																								
	Mechanical Falling and Bucking, Ground-based Yarding, Loading, Hauling, Road Maintenance** & Roadway Clearing																								
Units: 7-2, 23-5	Manual Falling and Bucking																								
	Cable Yarding																								
	Loading, Hauling, Road Maintenance**																								
Units: 11-4, 23-1	Manual Falling and Bucking																								
	Cable Yarding																								
	Mechanical Falling and Bucking, Ground-based Yarding, Loading, Hauling, Road Maintenance**																								
Units: 31-9-12.0 and portions of 31-9-15.0 and 31-9-27.0	Mechanical Falling and Bucking, Ground-based Yarding, Loading, Hauling, Road Maintenance** & Roadway Clearing																								

## FAROUT 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-1 All timber on the Reserve Area(s) as shown on Exhibit A and all trees marked with a combination of orange paint, orange flagging, and/or posters which are on or mark the boundaries of the Reserve Area(s).
- (B) AR-2 All timber on the Reserve Area(s) shown on Exhibit A and all trees which are on or mark the boundaries of the Reserve Area(s), except approximately one thousand eight hundred eighty four (1,884) Douglas-fir trees, seventy (70) white fir trees, and forty one (41) incense-cedar trees marked for cutting heretofore by the Government with yellow paint above and below stump height in roadway clearing Units 31-8-29.0A, 31-8-30.3, 31-8-31.0G, 31-8-31.5, 31-8-31.6, 31-8-31.7, 31-9-10.0B, 31-9-11.0, 31-9-11.4, 31-9-11.5, 31-9-12.0, 31-9-13.1, 31-9-15.0, 31-9-21, 31-9-27.0D, and 31-9-27.6 as shown on Exhibit A.
- (C) AR-2 All timber on the Reserve Area(s) shown on Exhibit A and all blazed, painted, or posted trees which are on or mark the boundaries of the Reserve Area(s), except approximately nine (9) Douglas-fir trees, fourteen (14) white fir trees, and eight (8) western hemlock trees marked for cutting heretofore by the Government with blue paint above and below stump height in commercial thin Unit 11-5 shown on Exhibit A.
- (D) IR-6 All leave trees required to meet the Selection Criteria as outlined in Exhibit E, within commercial thin Units 7-1, 7-2, 11-2, 11-3, 11-4, 11-6, 13-1, 13-3, 15-1, 15-2, 20-1, 21-1, 21-2, 21-3, 23-1, 23-2, 23-3, 23-4, 23-5, 27-1, 27-2, 27-3, 27-4, 29-1, 29-2, 31-2, 31-3, 31-4, and 35-1 as shown on Exhibit A.
- (E) IR-6 All hardwood trees and non-hazardous snags in commercial thin harvest units shown on Exhibit A.
- (F) IR-6 All pre-existing dead and down wood in commercial thin harvest units shown on Exhibit A.

## FAROUT SPECIAL PROVISIONS

### 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:

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

## FAROUT SPECIAL PROVISIONS

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.

## FAROUT SPECIAL PROVISIONS

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 trees designated for cutting in commercial thin harvest units 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 in the roadway clearing units, 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.
- (4) L-3 All vegetation designated for cutting in the roadway clearing units, 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-10, unless a prior written agreement is in place with the Authorized Officer.
- (5) L-3 All vegetation designated for cutting in the roadway clearing units, within the road bed surface including turnouts and the inside portion of the ditchline shall be cut down to one (1) inch vertical height.
- (6) L-4 All conifer trees eight (8) inches or larger D.B.H.O.B. and not reserved in Section 40 or in Exhibit E shall be felled in all commercial thin harvest units as shown on Exhibit A.
- (7) L-4 All vegetation greater than one (1) foot tall and not reserved shall be felled and/or treated to prescription in the roadway clearing harvest units as shown on Exhibits A.

## FAROUT SPECIAL PROVISIONS

- (8) L-5 All vegetation greater than one (1) foot tall that follows the yellow mark cut tree line within all roadway clearing harvest units shall be felled concurrently with trees designated for cutting in roadway clearing harvest units shown on Exhibit A.
- (9) L-6 In harvest units as shown on Exhibit A, all trees designated for cutting shall be felled and whole tree yarded or yarded with tops attached except when excessive stand damage occurs as determined by the Authorized Officer. If excessive stand damage occurs, all trees shall be bucked into log lengths not to exceed forty one (41) feet prior to being yarded.
- (10) L-7 In the cable yarding areas of harvest units as shown on Exhibit A, all trees designated for cutting shall be manually felled. Tractor yarding portions of commercial thin harvest units as shown on Exhibit A may be felled mechanically using a harvester, feller-processor, or feller-buncher with the approval of the Authorized Officer and in accordance with the following specifications:
  - (a) Mechanized felling operations shall be limited to slopes of thirty-five (35) percent or less.
  - (b) Mechanized felling operations are subject to seasonal operating restrictions as described in Section 41(B)(15) of this contract.
  - (c) The harvester, feller-processor, or feller-buncher shall be approved by the Authorized Officer prior to the start of mechanized felling operations. Only purpose built carriers with boom-mounted felling heads may be approved. The boom must have a lateral reach of twenty (20) feet or more, and the machine's lateral reach must be utilized as much as possible. The purpose-built carrier may be of the articulated, rubber-tired design, or the zero-clearance tail swing leveling track-mounted design.
  - (d) If the mechanized harvesting equipment exceeds six (6) pounds-per-square-inch (PSI) ground pressure, then the harvest equipment must walk on existing or newly created slash. This slash mat shall be a minimum of eight (8) inches in depth prior to the equipment moving onto the slash mat. Additional slash may be required on the slash mat if more than one (1) out and back trip is done by the equipment, as directed by the Authorized Officer. If Purchaser is required to create slash to walk on, then Purchaser shall not be required to whole-tree-yard.
- (11) 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.



## FAROUT SPECIAL PROVISIONS

Designated Area	Yarding Requirements or Limitations
<u>CABLE UNITS</u> 7-2, 11-2, 11-3, 11-4, 11-5, 15-1, 15-2, 20-1, 21-1, 21-2, 23-1, 23-2, 23-3, 23-4, 23-5, 27-2, 29-1, 29-2, 31-2, 31-3, 31-4	<p>Yarding shall be done with a cable yarding system which will suspend one end of the log clear of the ground during inhaul on the yarding corridor.</p> <p>Skyline equipment shall be capable of yarding in multispan configuration in Units 11-2, 15-2, and 20-1.</p> <p>A carriage is required which will maintain a fixed position on the skyline during lateral yarding and has a minimum lateral yarding capability of seventy-five (75) feet.</p> <p>Yarding corridors shall be perpendicular to the contours.</p> <p>Prior to applying the Selection Criteria outlined in Exhibit E and/or falling any timber in the unit, all yarding corridors, tail/lift trees, and/or intermediate support trees shall be pre-designated by the Purchaser and approved by the Authorized Officer.</p> <p>Existing cable corridors shall be used whenever possible. Yarding corridors shall be approximately one hundred fifty (150) feet apart, measured at the tailholds.</p> <p>Yarding corridor widths shall not exceed six (6) feet either side of the skyline centerline.</p> <p>Landing size shall not exceed one-quarter (<math>\frac{1}{4}</math>) acre, shall be located along existing roads and/or temporary routes within unit boundaries, and shall be approved by the Authorized Officer. Design landings with adequate drainage so that they are not hydrologically connected to the ditchline of roads.</p> <p>Directional falling to lead and away from streams will be required.</p> <p>For Unit 20-1, landing and corridor use shall comply with the terms and conditions listed in the crossing plat with Roseburg Resources. May need equipment anchors.</p> <p>In Unit 29-1, any trees cut on the south side of temporary route 29-1a to create guyline anchors must be left on site for wildlife.</p> <p>Cable corridors that are hydrologically connected shall be waterbarred</p>

FAROUT SPECIAL PROVISIONS

Designated Area	Yarding Requirements or Limitations
CABLE UNITS CONTINUED	<p>prior to winter rain events to protect water quality.</p> <p>In Units 11-4, 23-1, and 23-5 hand waterbar or spread slash over cable yarding corridors immediately following use on slopes in excess of sixty five (65) percent slope to disperse water runoff and minimize erosion.</p>

## FAROUT SPECIAL PROVISIONS

Designated Area	Yarding Requirements or Limitations
<p><u>TRACTOR UNITS</u></p> <p>7-1, 11-3, 11-4, 11-6, 13-1, 13-3, 15-1, 15-2, 21-3, 23-1, 27-1, 27-3, 27-4, 29-1, 31-2, 31-3, 31-4, 35-1</p>	<p>Yarding tractor width shall not be greater than nine (9) feet track width and shall be equipped with an integral arch. Skid roads shall not exceed a width of twelve (12) feet on average per unit.</p> <p>Prior to applying the Selection Criteria outlined in Exhibit E and/or falling any timber in the unit, all new skid roads shall be pre-designated by the Purchaser and approved by the Authorized Officer. Yarding tractors shall operate only on tractor skid roads approved by the Authorized Officer.</p> <p>Existing Skid roads shall be used when possible. New skid roads shall be placed at least one hundred fifty (150) feet apart where topography will allow. New skid roads must be located on ground less than thirty-five (35) percent slope. Rip all utilized skid roads that are within one hundred ninety five (195) feet of streams.</p> <p>Landing size shall not exceed one-quarter (¼) acre, shall be located along existing roads and/or temporary routes within unit boundaries, and shall be approved by the Authorized Officer. Design landings with adequate drainage so that they are not hydrologically connected to the ditchline of roads.</p> <p>Directional falling to lead and away from streams will be required.</p> <p>The use of blades while tractor yarding will be limited, equipment shall walk over as much ground litter as possible.</p> <p>In Unit 13-1, the Authorized Officer shall approve the designated skid trail that will be needed to access the unit, and the location of the associated designated landing. This landing will be located within the Ecological Protection Zone of a stream, therefore, sediment barriers shall be installed as necessary to prevent any measurable sediment from entering the adjacent stream during use. Rip the designated skid road and landing following harvest.</p> <p>In Unit 7-1, the Purchaser shall rip and decommission all utilized skid roads in northeast corner of the unit.</p> <p>In Units 7-1, 27-3, and 27-1 the Purchaser shall rip and waterbar new operational skid trails that the Authorized Officer determines to be blocking natural drainage.</p>

## FAROUT SPECIAL PROVISIONS

Designated Area	Yarding Requirements or Limitations
<u>ROADWAY CLEARING UNITS</u> 31-8-29.0, 31-8-30.3, 31-8-31.0, 31-8-31.5, 31-8-31.6, 31-8-31.7, 31-9-10.0, 31-9-11.0, 31-9-11.4, 31-9-11.5, 31-9-12.0, 31-9-13.1, 31-9-15.0, 31-9-21.0, 31-9-27.0, 31-9-27.6	<p>Mechanical felling required with a single-grip felling head (a head that can hold and fully suspend the tree after it is cut).</p> <p>Yarding shall be done with a system which will fully suspend both ends of the log clear of the ground during inhaul.</p> <p>Landing size shall not exceed one-quarter (¼) acre, shall be located along existing roads and/or temporary routes, and shall be approved by the Authorized Officer. No landing creation or expansion shall occur without prior approval from the Authorized Officer. Design landings with adequate drainage.</p> <p>Conifer tops and limbs, hardwoods, brush, and other cut vegetation created from the roadway clearing treatment shall be treated concurrently with felling operations and shall be treated according to the roadway clearing prescriptions found in Exhibits C-13, C-14, and C-15.</p> <p>All mechanized equipment shall only operate on existing road surfaces.</p>

- (12) L-11 No landings for Units 15-1, 15-2, 27-2, and 27-3 shall be located within the wetland buffer as shown on Exhibit A.
- (13) L-11 No landings for Unit 31-3 shall be located within the wildlife buffer as shown on Exhibit A.
- (14) L-18 No logging operations shall be conducted on Units 7-1, 7-2, 11-4, 23-1, 23-5, 27-1, 27-3, 31-8-31.0, 31-9-11.0, 31-9-11.4, 31-9-11.5, 31-9-12.0, 31-9-15.0, 31-9-27.0, and 31-9-27.6 between October 15 of one calendar year and May 15 of the following calendar year both days inclusive.
- (15) L-18 No ground-based yarding, skid road ripping, temporary route construction, temporary route reconstruction, temporary route renovation, or temporary route decommissioning shall be conducted in Units 11-2, 11-3, 11-6, 13-1, 13-3, 15-1, 15-2, 21-2, 21-3, 27-4, 29-1, 29-2, 31-2, 31-3, 31-4, and 35-1 between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing

## FAROUT SPECIAL PROVISIONS

ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

- (16) L-18 No roadway clearing operations shall be conducted in Units 31-8-29.0, 31-8-30.3, 31-8-31.5, 31-8-31.6, 31-8-31.7, 31-9-10.0, 31-9-13.1, and 31-9-21.0 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.
- (17) L-18 No haul on natural surface and rocked roads 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.
- (18) L-18 No pile burning shall be conducted on Units 15-1, 15-2, and 31-9-10.0 from September 1 to November 1 of each year, both days inclusive.
- (19) L-18a No roadway clearing operations within Unit 31-9-12.0 or portions of Units 31-9-15.0 and 31-9-27.0D as shown on Exhibit A shall be conducted between March 1 and June 30 of the same calendar year, both days inclusive. This restriction will not apply if it can be shown from Northern Spotted Owl protocol surveys conducted by the Bureau of Land Management in accordance with accepted standards that Northern Spotted Owl nesting and/or fledging activities are not occurring during the year and/or time of harvest.

## FAROUT SPECIAL PROVISIONS

- (20) 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 thirty (30) minutes.
- (21) 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.
- (22) L-25 Before cutting and removing any trees necessary to facilitate logging in the harvest Units shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding the following conditions must be met:
- (a) All skid roads and cable yarding roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees; however, unless otherwise approved in writing by the Authorized Officer, the width of each skid road, and cable yarding road shall be limited to twelve (12) feet.
  - (b) The Purchaser may immediately cut and remove additional timber to clear skid roads and cable yarding roads; and provide tailhold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with pink paint above and below stump height by the Authorized Officer and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber to be sold will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this provision unless sufficient installment payments have been made in accordance with Sec. 3.(b). of the contract or sufficient bonding has been provided in accordance with Sec. 3.(d). of the contract.

## FAROUT SPECIAL PROVISIONS

- (c) The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Sec. 9 of the contract; or, the Authorized Officer determines that Incense Cedar trees otherwise reserved in Section 40 B of the contract or any tree that exceeds 32 inches diameter at breast height shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Section 8 of the contract.
- (d) This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked and approved for cutting by the Authorized Officer, which under Section 10 of the contract constitutes a violation of the contract and under Section 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.
- (e) If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber, and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Sec. 8 or Sec. 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay, or interrupt any or all contract work for the period of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.
- (f) The Government may reserve trees previously designated for cutting and removal by blacking out blue paint, applying orange paint as replacements for additional trees cut and removed for skid roads and/or cable yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescription(s). The volume of this timber to be reserved will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and the value shall be based on the unit prices shown in Exhibit B of the contract. The Purchaser

## FAROUT SPECIAL PROVISIONS

agrees that the Total Purchase Price shall be reduced accordingly through a unilateral modification to the contract executed by the Contracting Officer.

- (23) L-26M Before falling any trees in commercial thin harvest Units 7-1, 7-2, 11-3, 11-4, 13-1, 13-3, 15-1, 15-2, 21-1, 21-3, 23-1, 23-2, 23-4, 23-5, 29-1, 29-2, and 35-1 as shown on Exhibit A, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
  - (24) L-26M Before falling any trees in commercial thin harvest Units 11-2, 11-6, 20-1, 21-2, 23-3, 27-1, 27-2, 27-3, 27-4, 31-2, 31-3, and 31-4 as shown on Exhibit A, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
  - (25) L-27 In the roadway clearing harvest units shown on Exhibit A, all trees designated for cutting which are within a maximum of twenty (20) feet slope distance of the edge of the road surface or centerline of the ditch shall be felled within the road prism.
  - (26) L-28 In all cable yarding units, as shown on Exhibit A, the Purchaser shall make cable yarding road changes by completely spooling the cables and restringing the layout from the head spar to the new tailhold to protect advance reproduction and/or reserve trees and snags present on these areas.
- (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 Any required construction, improvement, or renovation of structures and roads shall be completed and accepted prior to the removal of any timber, except right-of-way timber, over that road.
  - (3) RC-1d The Purchaser shall not commence work on road construction or renovation until receipt of written notice to do so from the Authorized Officer.



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Work shall be commenced no later than 3 days after such notice, and shall be completed within 1 year after such notice.

- (4) RC-1f Upon completion of logging operations and slash disposal operations, the Purchaser shall scarify the entire roadway of all temporary routes shown on Exhibit C-4 in strips of not more than thirty-six (36) inches in width to a minimum depth of twelve (12) inches, provided that no scarification shall be required where the road traverses rock outcroppings. All natural water courses shall be opened to prevent erosion of the roadways. Water bars shall be constructed every 100'-150' as shown on Farout Timber Sale Worklist (Exhibit C-11). Barricades shall be constructed so as to prevent further use of the road by vehicles.
- (5) RC-2 The Purchaser is authorized to use the roads listed below which are under the jurisdiction of the Bureau of Land Management, and/or Plum Creek Timber Lands LP, and/or Fruit Growers, for the removal of Government timber sold under the terms of this contract, provided that the Purchaser pay the required maintenance obligations described in Section 41(C)(8) and Section 41(C)(10). Any road listed below and requiring improvement or renovation in Exhibit C of this contract, shall be maintained by the Purchaser until receiving written acceptance of the improvement or renovation from the Authorized Officer. 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
30-6-32.0 D	0.30	BLM	BST2
31-8-30.3	0.30	BLM	ASC
31-8-31.0 A	3.80	BLM/Plum Creek	ASC
31-8-31.0 B	0.36	BLM/Plum Creek	ASC
31-8-31.0 C	1.60	Plum Creek	ASC
31-8-31.0 D	1.30	BLM/Plum Creek	ASC
31-8-31.0 E	0.50	Plum Creek	ASC
31-8-31.0 F	1.00	Plum Creek	ASC
31-8-31.0 G	1.30	BLM/Plum Creek	ASC
31-8-31.4	0.11	BLM	NAT
31-9-11.0 A	0.95	BLM	ASC
31-9-11.0 B	0.38	BLM	PRR
31-9-11.5	0.11	BLM	NAT
31-9-13.1	0.14	Plum Creek	NAT

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31-9-15.0	0.32	Plum Creek	PRR
31-9-21.0 A	0.70	Plum Creek	PRR
31-9-22.0 A1	0.87	Plum Creek	PRR
31-9-22.0 A2	0.40	Fruit Growers	PRR
31-9-22.0 B	0.36	Fruit Growers	PRR
31-9-22.0 C	0.70	Plum Creek	PRR
31-9-23.1	0.15	BLM	PRR
31-9-25.1 A	1.14	BLM	PRR
31-9-26.0 A	0.57	Plum Creek	PRR
31-9-26.0 B	0.81	BLM	GRR
31-9-27.0 B	0.15	Plum Creek	ASC
31-9-27.0 D	1.62	Plum Creek	NAT
31-9-27.6	0.25	Plum Creek	PRR
31-9-35.3	0.20	Fruit Growers	NAT
32-8-1.1 A	2.40	BLM	BST2
32-8-1.1 B1	1.44	BLM	BST2
32-8-1.1 B2	3.49	BLM	BST1
32-8-1.1 C	2.90	BLM	BST1
32-8-1.1 D	0.91	BLM	ASC
33-7-2.0 A	7.49	BLM	BST2
33-7-2.0 B	2.47	BLM	BST2
33-7-2.0 C	0.10	BLM	BST2

- (6) RC-2a The Purchaser is authorized to use the roads listed below and shown on Exhibit C-2 which are under the jurisdiction of the Bureau of Land Management, Fruit Growers, Plum Creek, or Roseburg Resources, for the removal of Government timber sold under the terms of this contract, provided that the Purchaser comply with the conditions set forth in Section 41(C)(12) and pay the required rockwear obligation described in Section 41(C)(9) and Section (C)(10). 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
31-8-29.0 A	0.51	BLM	NAT
31-8-29.2	1.04	Roseburg Resources	NAT

### FAROUT SPECIAL PROVISIONS

31-8-31.1 A1	0.04	BLM	ASC
31-8-31.1 A2	0.90	BLM	ASC
31-8-31.2 A	1.89	BLM	ASC
31-8-31.5	0.18	BLM	PRR
31-8-31.6	0.38	BLM	ASC
31-8-31.7	0.64	BLM	ASC
31-9-10.0 A	1.00	BLM	PRR
31-9-10.0 B	0.30	BLM	NAT
31-9-11.0 C	1.88	Roseburg Resources	PRR
31-9-11.1	0.29	BLM	NAT
31-9-11.4	0.46	BLM	NAT
31-9-12.0	2.70	BLM	ASC
31-9-21.0 B	0.85	BLM	PRR
31-9-21.0 C	0.37	BLM	NAT
31-9-23.0	1.06	BLM	PRR
31-9-23.2	0.27	BLM	PRR
31-9-23.3	0.40	BLM	PRR
31-9-27.0 A	1.34	BLM	ASC
32-8-4.0 A	4.65	BLM	ASC

- (7) RC-2d The Purchaser shall be authorized to use other roads not included in Section 41(C)(5) and/or Section 41(C)(6); provided, that in the use of such roads, the Purchaser shall pay the Government current Bureau of Land Management road maintenance and/or rockwear fees for the particular surface type of the roads used.

For administrative purposes the total maintenance and rockwear obligation due shall be based upon the estimated volume set forth in Exhibit B of this contract and mileage of roads used as determined by the Authorized Officer.

In the event logs are hauled over more than one route, the estimated volume set forth in Exhibit B shall be proportioned on the basis of actual volume removed. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of the timber purchased under this contract, together with an estimate of the volume to be hauled over such roads.

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Section 41(C)(8) and Section 41(C)(9) of this contract shall be amended to include adjustments of fee obligations.

- (8) RC-2e Provided, that the Purchaser shall pay a road maintenance fee of \$0.65 per thousand board feet log scale per mile for road numbers 30-6-32.0 D, 32-8-1.1 A, 32-8-1.1 B1, 32-8-1.1 B2, 32-8-1.1 C, 33-7-2.0 A, 33-7-2.0 B, and 33-7-2.0 C and a road maintenance fee of \$0.79 per thousand board feet log scale per mile for road numbers 31-8-31.4 and 31-9-11.5 and a road maintenance fee of \$1.13 per thousand board feet log scale per mile for road numbers 31-9-25.1 A and 32-8-1.1 D and a road maintenance fee of \$1.30 per thousand board feet log scale per mile for road numbers 31-8-30.3, 31-9-11.0 A, 31-9-11.0 B, 31-9-23.1, and 31-9-26.0 B, for the use of said roads. The total maintenance fee due shall be based upon volumes determined pursuant to Section (2 and 3) of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads. **The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer.** The Authorized Officer shall establish an installment schedule of payment of the maintenance obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total maintenance payments made under this contract exceed the total maintenance payment due, such excess shall be returned to the Purchaser within sixty (60) days after such determination is made.
- (9) RC-2e<sub>(rw)</sub> Provided, that the Purchaser shall pay a road rockwear fee of \$0.51 per thousand board feet log scale per mile for road numbers 31-8-31.1 A1, 31-8-31.1 A2, 31-8-31.2 A, 31-8-31.5, 31-8-31.6, 31-8-31.7, 31-9-10.0 A, 31-9-12.0, 31-9-21.0 B, 31-9-23.0, 32-9-23.2, 31-9-23.3, 31-9-27.0 A, and 32-8-4.0 A for the use of said roads. The total rockwear fee due shall be based upon volumes determined pursuant to Section (2 and 3) of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads. **The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer.** The Authorized Officer shall establish an installment schedule of payment of the rockwear obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total rockwear payments made under this contract exceed the total rockwear payment due, such excess

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shall be returned to the Purchaser within sixty (60) days after such determination is made.

- (10) RC-2e(LA) The Purchaser shall pay an estimated road maintenance fee for each License Agreement specified in Section 41(C)(13), Section 41(C)(14), Section 41(C)(15), and/or Section 41(C)(16) per thousand board feet log scale per mile for the use of roads specified in Section 41(C)(5) and Section 41(C)(6). The total maintenance fee due to each Licensor shall be based upon volumes determined pursuant to Section (2 and 3) of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser (Licensee) shall give written notice to the Authorized Officer and Licensor of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads from each unit. **The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer.** The Licensee shall comply with the terms of License Agreements for the use of roads listed in Section 41(C)(5) and Section 41(C)(6), for the payment of fees and final fee reconciliation with Licensor upon report of final volume removed as determined by the Authorized Officer.
  
- (11) RC-2f The Authorized Officer may at any time by written notice, terminate the Purchaser's operator road maintenance obligations and require instead payment of current Bureau of Land Management road maintenance fees for the particular surface type of the roads involved. These fees will be applied to the remaining contract volume on the sale area to be transported over road or roads listed in Section 41(C)(6). The Purchaser shall pay the total maintenance amount for said roads within thirty (30) days following receipt of written notice; provided, however, that if the total amount exceeds five hundred and no/100 dollars (\$500.00), the Purchaser may elect to make payment in installments in the same manner as and together with payments required in Section 3 of this contract.
  
- (12) 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.
  
- (13) RC-3 In the use of roads Nos. 31-9-22.0 A2, 31-9-22.0B, and 31-9-35.3, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-868 between the United States of America and Fruit Growers Supply Company. These conditions include: Payment to Fruit Growers Supply Company, an estimated road maintenance and rockwear obligation of **seven hundred seventy nine and 65/100 dollars (\$779.65)** payable at the time indicated in the license agreement. This document is available for inspection at

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the Bureau of Land Management, Medford Interagency Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.

- (14) RC-3 In the use of roads Nos. 31-8-31.0A, 31-8-31.0 B, 31-8-31.0 C, 31-8-31.0 D, 31-8-31.0 E, 31-8-31.0 F, 31-8-31.0 G, 31-9-13.1, 31-9-15.0, 31-9-21.0 A, 31-9-22.0 A1, 31-9-22.0 C, 31-9-26.0 A, 31-9-27.0 B, 31-9-27.0 D, and 31-9-27.6, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-605 between the United States of America and Plum Creek Timber Lands LP. These conditions include: Payment to Plum Creek Timber Lands LP, an estimated road use obligation of **eighty eight and 00/100 dollars (\$88.00)** and an estimated road maintenance and rockwear obligation of **sixteen thousand four hundred twenty and 84/100 dollars (\$16,420.84)** payable at the time indicated in the license agreement. This document is available for inspection at the Bureau of Land Management, Medford Interagency Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of said roads, 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.
- (15) RC-3 In the use of roads No. 31-9-11.0 C, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. R-851 between the United States of America and Roseburg Resources. These conditions include: Payment to Roseburg Resources, an estimated rockwear obligation of **five hundred eighty three and 91/100 dollars (\$583.91)** payable at the time indicated in the license agreement. This document is available for inspection at the Bureau of Land Management, Medford Interagency Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.

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- (16) RC-3 In the use of roads No. 31-8-29.2, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. R-868 between the United States of America and Roseburg Resources. These conditions include: Payment to Roseburg Resources, a road use obligation of **six thousand eight hundred twenty four and 00/100 dollars (\$6,824.00)** payable at the time indicated in the license agreement. This document is available for inspection at the Bureau of Land Management, Medford Interagency Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of said roads, 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.
- (17) 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.
- (18) RC-5 In the construction of road No. Temp Route 11-2b (Roseburg Resources portion), as shown on Exhibit C-3, the Purchaser shall comply with the conditions of the Right-of-Way and Road Use Agreement No. M-851 between the United States and Roseburg Resources. These conditions include (1) The timber sale purchaser shall purchase all merchantable trees located within the marked right of-way at market prices (not BLM timber sale prices), (2) The purchaser shall file a notification of operations with the State of Oregon for its activities on RRC property, (3) Comply with the road construction plans outlined in both the letter and plat, (4) No sidecasting of material on sideslopes greater than 55%, (5) At the conclusion of log hauling, the road must be water barred at intervals no greater than 100' and outsloped or ripped, mulched (no grass seed) and blocked with an earthen or rip-rap barrier, and (6) purchaser shall secure a performance bond of five thousand and 00/100 dollars (\$5,000.00). This document is available for inspection at the Bureau of Land Management, Medford Interagency Office, 3040 Biddle Road, Medford, Oregon 97504.
- (19) RC-5 In the construction and use of Unit 20-1 yarding corridors, as shown on Exhibit C-3, the Purchaser shall comply with the conditions of the Right-of-Way and Road Use Agreement No. M-851 between the United States and Roseburg Resources. These conditions include (1) The yarding corridors shall be clearly marked (tagged if possible) so that the boundaries are well defined and remain

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visible for the length of the sale, (2) The timber sale purchaser shall purchase all merchantable trees at market price (not BLM timber sale prices) located within the marked boundaries. The purchaser shall contact Dave Friedlein approximately 60 days in advance of cutting any merchantable timber in the wedges and corridors so that the timber can be cruised, appraised, and purchased, (3) The purchaser shall file a notification of operations with the State of Oregon for its activities on RRC property, (4) Comply with the plans outlined in letter and plat, (5) At the conclusion of logging the purchaser shall be responsible for leaving the landing area in at least as good a condition as found, including, but not limited to, it being shaped to drain, adequate surface rock replaced, and all garbage picked up, and (6) The purchaser shall be responsible for piling the logging debris and planting spot covering it with plastic. RRC shall be responsible for burning piles and plating the yarding corridors. This document is available for inspection at the Bureau of Land Management, Medford Interagency Office, 3040 Biddle Road, Medford, Oregon 97504.

- (20) RC-5 In the construction of road No. Temp Route 11-2b (Plum Creek Timber Lands LP portion) and Temp Route 11-2c, as shown on Exhibit C-3, the Purchaser shall comply with the conditions of the Right-of-Way and Road Use Agreement No. M-605 between the United States and Plum Creek Timber Lands LP. These conditions include (1) The timber sale purchaser shall purchase all merchantable trees at BLM appraised price located within the marked boundaries, (2) Comply with the road construction plans outlined in both the letter and plat, (3) No sidestepping of material on sideslopes greater than 50%, (4) At the conclusion of log hauling, the road must be water barred at intervals no greater than 100' and outsloped or ripped, mulched (no grass seed) and blocked with an earthen or rip-rap barrier, and (5) purchaser shall secure a performance bond of ten thousand and 00/100 dollars (\$10,000.00). This document is available for inspection at the Bureau of Land Management, Medford Interagency Office, 3040 Biddle Road, Medford, Oregon 97504.
- (21) RC-6 Prior to cutting any timber from Unit 20-1 Yarding corridors or Temp Route 11-2b (Roseburg Resources portion), the Purchaser shall talk with Roseburg Resources, the owner of the right-of-way timber, about bucking specifications, decking options, and potential buying prices for that timber.
- (22) RC-7 Prior to cutting or removing any timber from Temp Route 11-2b (Plum Creek Timber Lands portion) or Temp Route 11-2c, the Purchaser shall pay to Plum Creek Timber Lands LP, the owner of the right-of-way timber, the total value of that timber, as shown below, based upon the indicated estimated volume and species price per unit used in the Government's contract as set forth in Exhibit B.



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Species	Estimated Volume – M bd. ft.	Price per Unit	Estimated Volume Times Unit Price
Douglas-fir	6.0 Mbf	202.35	\$1,214.10
Total	6.0 Mbf		\$1,214.10

- (23) 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,

### FAROUT SPECIAL PROVISIONS

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 within one hundred fifty (150) feet of all 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 temporary routes, landings, corridors, skidtrails 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.

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- (5) E-1 In addition to the requirement set forth in Section 25 of this contract, the Purchaser shall as directed by the Authorized Officer rehabilitate tractor skid roads in Units 7-1, 27-3, and 27-1, all tractor skid roads within 195 feet of streams and landings outside of the road prism by one of the following methods:
- (a) If the Authorized Officer deems ripping will not cause unacceptable damage to the root systems of residual trees the Purchaser shall discontinuously subsoil with winged ripper teeth, simultaneously water bar, seed, mulch, and barricade.
    - 1. Use a minimum 200 flywheel horsepower tractor with mounted rippers having shanks and teeth consistent with drawings and specifications shown on Exhibit R of this contract, which, is attached hereto and made a part hereof.
    - 2. Rip to a depth of eighteen (18) inches, and no further than thirty six (36) inches apart.
    - 3. Ripping will occur before **October 15** of the year of harvest.
    - 4. Any step landings shall be re-contoured following use.
  - (b) If the Authorized Officer deems ripping will cause an unacceptable amount of damage to the root systems of residual trees the Purchaser shall scarify to a depth of up to six (6) inches and simultaneously water bar, seed, mulch, and barricade.
- (6) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall place material removed during excavation in locations where it cannot enter streams or other water bodies.
- (7) E-2 The water bars to be constructed as required by Sec. 25(c) shall be constructed in accordance with the specifications shown on Exhibit C-7, which is attached hereto and made a part hereof.
- (8) 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.

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- (9) 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.

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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

## FAROUT SPECIAL PROVISIONS

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.

- (10) 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 roadway

## FAROUT SPECIAL PROVISIONS

clearing harvest Units 31-9-12.0, 31-9-15.0, and 31-9-27.0 as shown on Exhibit A between March 1 and September 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, felling, bucking, yarding, road construction, or any other activity with the potential to disturb nesting owls may not be allowed during this time period.

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

### (E) Miscellaneous

- (1) M-2 The Government at its option may check scale any portion of the timber removed from the contract area. The Purchaser hereby agrees to make such contract timber available for scaling at a location designated by the Authorized Officer. In the event that BLM elects to check scale and if such check scaling causes a delay in log transportation time, an adjustment will be made to the purchase price as follows. If the entire sale is check scaled, the purchase price of this contract shall be reduced by ***four thousand four hundred eighty three dollars and 50/100 cents (\$4,483.50)***. In the event that only a portion of the contract timber is scaled, the purchase price shall be reduced by that portion of ***four thousand four hundred eighty three dollars and 50/100 cents (\$4,483.50)*** which is equal to the percentage of timber sold which was actually scaled by the Government. For purposes of computing this price reduction, the percentage of timber sold which has been scaled shall be determined by the Government. Any reduction in purchase price under the terms of this provision shall be full compensation to the Purchaser for any expense or loss incurred as a result of such scaling.

### (F) Fire Prevention and Control

- (1) F-1a Fire Prevention and Control. Primarily for purposes of fire prevention and control, the Purchaser shall comply with the following provisions:
  - (a). Prior to the operation of power driven equipment in construction or logging operations under this contract during the closed fire season or

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periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the State of Oregon, Department of Forestry.

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

1. F-2a Fire fighting tools shall be kept at each landing or at such other place as the Authorized Officer shall designate whenever people are working on the contract area. All fire fighting tools shall be kept in a sturdily constructed box which shall be painted red and lettered on the front or top in large letters, "For Fire Only."

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.

2. F-2b A round pointed size "0" or larger shovel in good condition shall be within fifty (50) feet of any power saw when in operation.

3. F-2c At each landing during periods of operation one (1) tank trucks. Each truck shall have three hundred (300) gallons minimum capacity with five hundred (500) feet minimum of hose and a nozzle acceptable to the Authorized Officer and a mounted or portable pump conforming to the standards set forth in Oregon Revised Statute ORS 477.645 through ORS 477.670 and any rule promulgated pursuant to those statutes. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.410 as amended or be provided with suitable adapters. At the close of each working day, all bulldozers and tank trucks shall be filled with fuel and made ready for immediate use. All tank trucks and portable tanks shall be filled with water and made available for immediate use.

4. F-2d Serviceable radio or radio-telephone equipment able to provide prompt and reliable communication between the contract area, the Medford BLM District Office, Oregon Department of Forestry, and Douglas Forest Protection Agency. Such



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communication shall be available during periods of operation including the time watch-service is required.

5. F-2e A pair of headlights capable of being quickly attached to each bulldozer used on the contract area. The headlights shall be adequate to provide illumination sufficient to allow use of the bulldozers for fire fighting and construction of fire trails at night.
6. F-2f A headlight for each person in the woods crew adequate to provide sufficient illumination for night fire fighting. A headlight shall be of the type that can be fastened to the head so as to allow independent use of the hands. It shall be equipped with a battery case so designed that it can be either carried in the hip pocket or fastened to the belt. The head of the light and the battery case shall be connected by insulated wires. At least one extra set of batteries shall be provided for each such headlight.
7. F-2g Two (2) back-pack pumps at each landing and one (1) at each tail block, all to be kept full of water and in good operating condition.
8. 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.
9. 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.

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### (G) Slash Disposal and Site Preparation

- (1) SD-1 Fire Hazard Reduction. In addition to the requirements of Sec. 15 of this contract, and notwithstanding the Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following hazard reduction measure(s) required by this contract:

Prior to commencement of any operation under this Section G of the contract, a slash disposal and pre-work conference between the purchaser's representative and the Authorized Officer must be held at a location designated by the Authorized Officer. All slash disposal shall be done in accordance with the plans developed at this pre-work conference. Slash, as defined for this section, shall mean all material (brush, limbs, tops, unmerchantable stems, and chunks) severed or knocked over as a result of purchasers operations under the terms of this contract.

- (a) SD-1a Lop and Scatter. Lop and scatter all slash in specified portions of Roadway Clearing Units as shown on Exhibit C-15 and as directed by the Authorized Officer concurrently with the normal felling operation. All cut slash (any material less than six inches in diameter) shall be lopped to no more than eight (8) feet in length and all top and side branches must be free of the central stem so that slash is reduced to the extent that it is within eighteen (18) inches of the ground at all points. All slash shall be arranged in a discontinuous pattern across the forest floor.
- (b) SD-1c Hand Piling Hand pile and burn all slash located within fifty (50) feet of roads where the road coincides with a commercial thin harvest unit boundary as directed by the Authorized Officer in accordance with the following specifications:
1. Piling shall be accomplished by hand. Finished piles shall be tight and free of earth.
  2. Pile all slash which is between one (1) inch and six (6) inches in diameter on the large end and exceeds two (2) feet in length.
  3. Piles shall be placed within unit boundaries, however, outside of wildlife buffers, roadways, turnouts, shoulders, or the cut bank. No piles shall be placed on down logs or stumps. No piles shall be

## FAROUT SPECIAL PROVISIONS

placed adjacent to or within twenty five (25) feet of commercial thin unity boundaries. Finished piles shall be tight and free of earth.

4. A five (5) foot by five (5) foot cover of 4 mm black plastic shall cap each handpile to maintain a dry ignition point. The cover shall be firmly fixed to the pile to hold it in place. Approximately one third ( $\frac{1}{3}$ ) of the pile shall lie above this plastic cover. The ignition point will consist of fine fuel material such as needles, small limbs, and branches less than one half ( $\frac{1}{2}$ ) inch in diameter and free of dirt. Piles shall be constructed by aligning individual pieces in the same direction and placing the heavier slash on top. Piles shall have a stable base to prevent toppling. The long axis of individual pieces shall be oriented up and down the slope. Protruding pieces shall be trimmed to allow covering in a manner that permits the pile to shed water. Height shall be no less than four (4) feet and no greater than six (6) feet; width shall not exceed six (6) feet; piles shall be circular and not windrowed. No pile shall be located in any stream channel; on down logs or stumps; within ten (10) feet of any other pile or the trunk of the nearest living reserve tree. No portion of the pile will be under the crown of any living tree.
- (c) SD-1d Operations required by this provision shall be kept current with yarding as directed by the Authorized Officer and shall be conducted as follows:
1. Units shall be piled and covered during the same season that they are logged.
- (d) SD-1e LANDING SLASH Pile all slash situated in harvest unit landings and within twenty (20) feet of each finished pile. Clear down to mineral soil within twenty (20) feet of each finished pile. Slash shall be piled by machine or hand and piles shall be located in tractor skid trails, cable yarding corridor chutes, or on landings located away from reserve trees, snags, and coarse woody debris. Finished piles shall be tight and free of earth.
1. A ten (10) foot by ten (10) foot cover of 4 mm black plastic shall cap each pile to maintain a dry ignition point. The cover shall be firmly fixed to each pile to hold it in place.
- (2) SD-5 Perform logging residue reduction and site preparation work on approximately four hundred fourteen (414) acres of harvest area located in

### FAROUT SPECIAL PROVISIONS

commercial thin Cutting Unit No.(s) 7-1, 7-2, 11-2, 11-3, 11-4, 11-5, 11-6, 13-1, 13-3, 15-1, 15-2, 20-1, 21-1, 21-2, 21-3, 23-1, 23-2, 23-3, 23-4, 23-5, 27-1, 27-2, 27-3, 27-4, 29-1, 29-2, 31-2, 31-3, 31-4, and 35-1 as shown on Exhibit A.

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

Treatment	Description	Cost/Acre
Lop and Scatter L1	< 12 tons/acre	\$30.00
Lop and Scatter L2	13-20 tons/acre	\$40.00
Handpile and Cover L1	0-40 piles/acre	\$330.00
Handpile and Cover L2	41-60 piles/acre	\$485.00
Handpile and Cover L3	61-80 piles/acre	\$590.00
Cover Landing Decks	< 40 landing piles/acre	\$35.00

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

Appraised Treatment	Acres	Cost/Acre	Total Cost Per Treatment
Lop and Scatter L1	363	\$30.00	\$13,530.00
Handpile and Cover L1	41	\$330.00	\$10,890.00
Cover Landing Decks	10	\$35.00	\$350.00
Total Appraised Cost			\$24,770.00

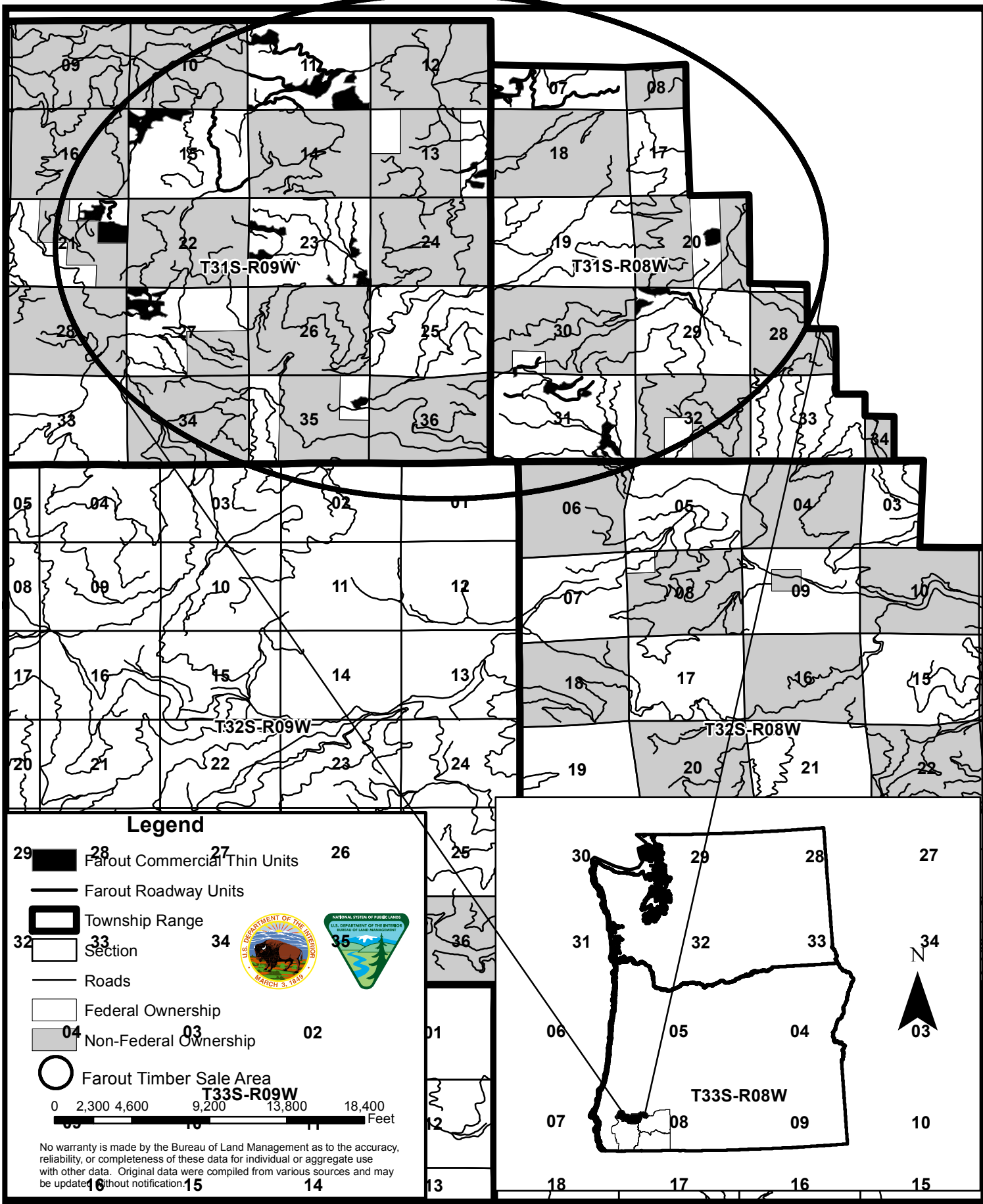
- (c) The Total Purchase Price set forth in Section 2 shall be adjusted by the amount that the total cost of the site preparation treatments designated pursuant to Section 41(G)(2)(a) differs from \$24,770, as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 41(G)(2)(a).

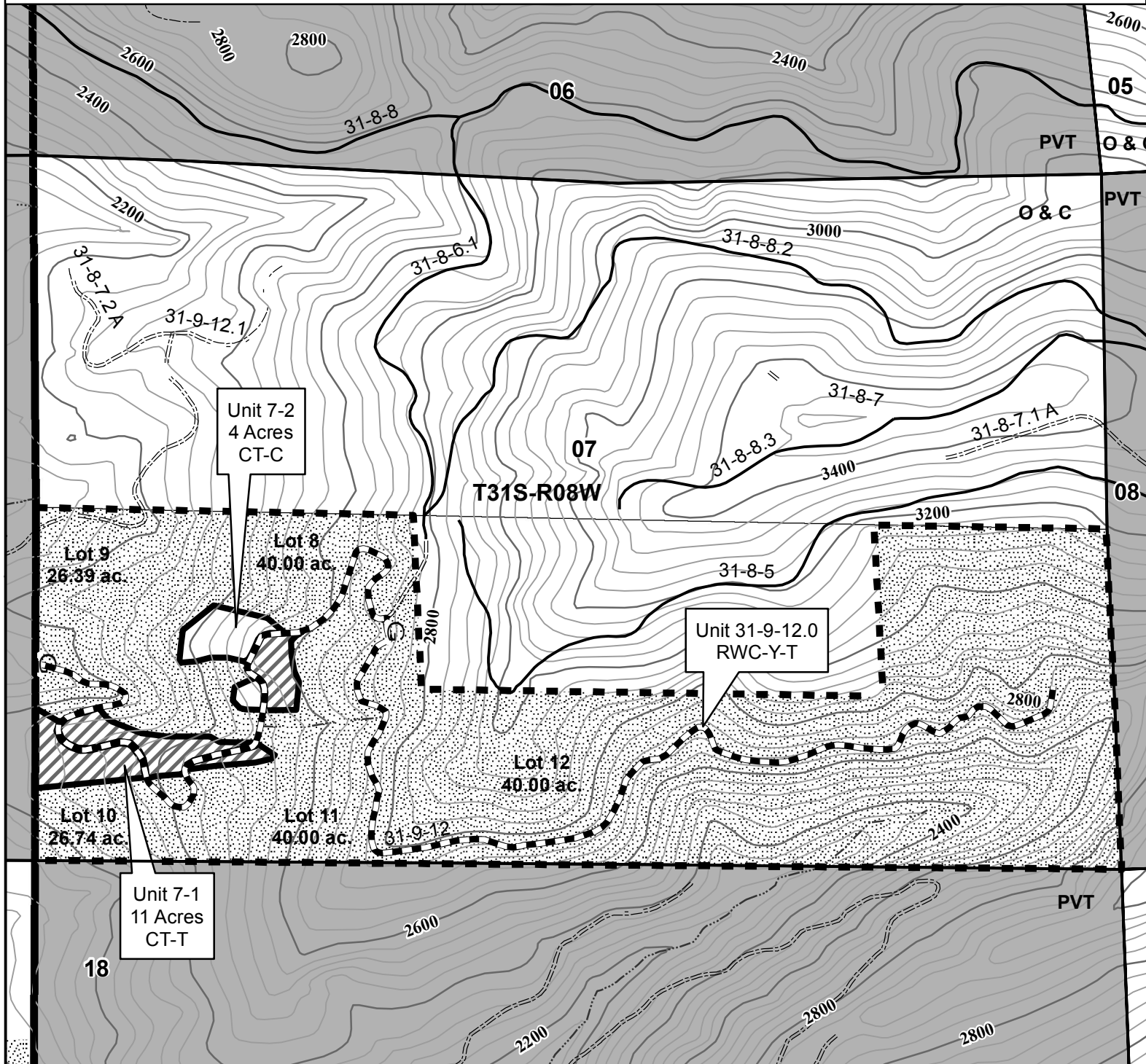
- (H) Equal Opportunity in Employment Certification of Non-segregated Facilities attached hereto and made a part hereof.

U.S.D.I BLM MEDFORD DISTRICT  
T.31 S., R.8 W., SEC.7, 20, 29, 30, 31 &  
T.31 S., R.9 W., SEC.11, 13, 15, 21, 23, 27, 35 WILL. MER  
DOUGLAS COUNTY

FAROUT TIMBER SALE LOCATION MAP  
TIMBER SALE # OR110-TS11-09

# SALE LOCATION MAP





0 550 1,100 2,200 Feet  
1 inch = 1,042 feet

40 FOOT CONTOUR INTERVAL

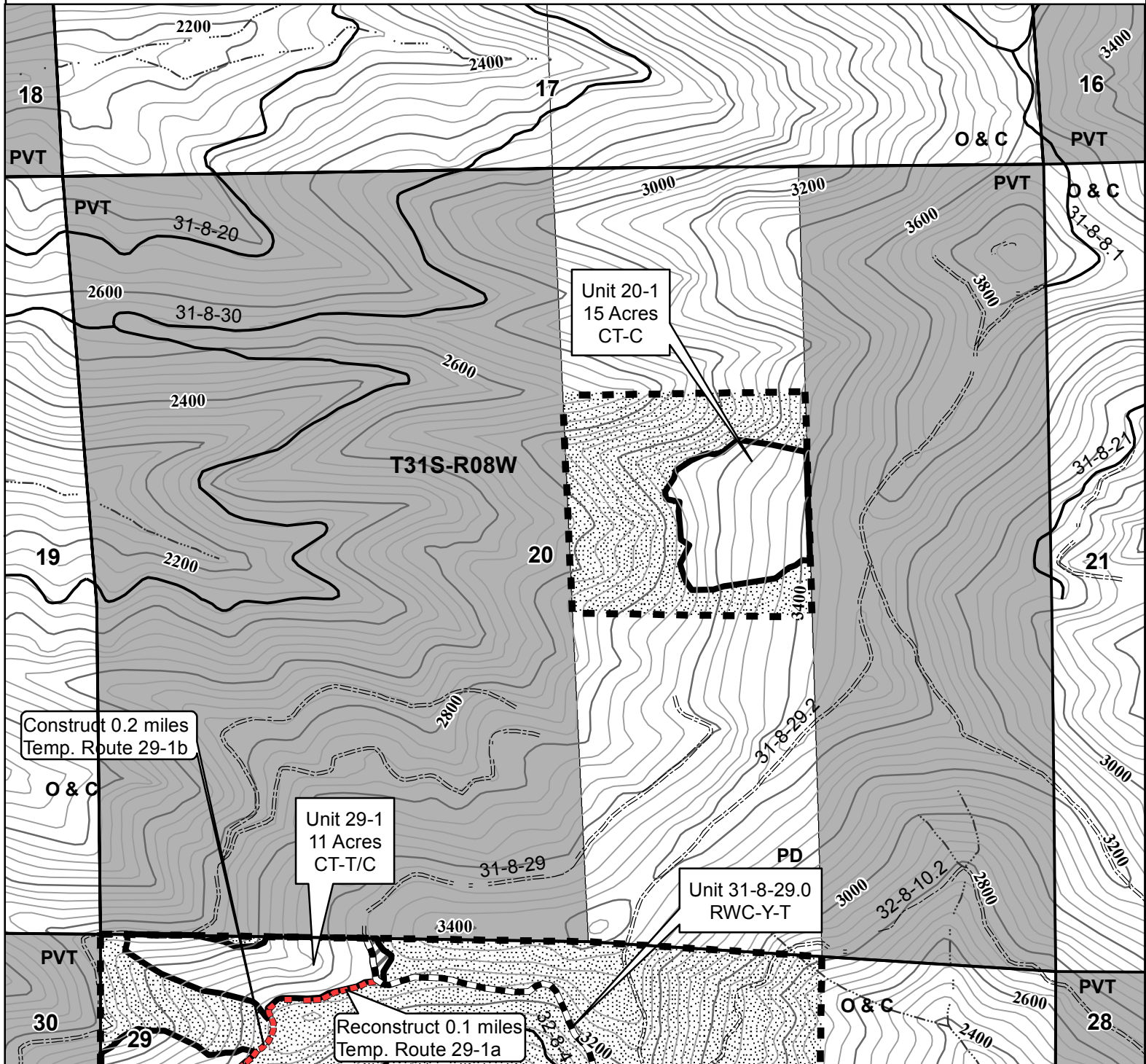


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Medford District Office  
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(541) 618-2200





0 500 1,000 2,000 Feet  
1 inch = 1,000 feet

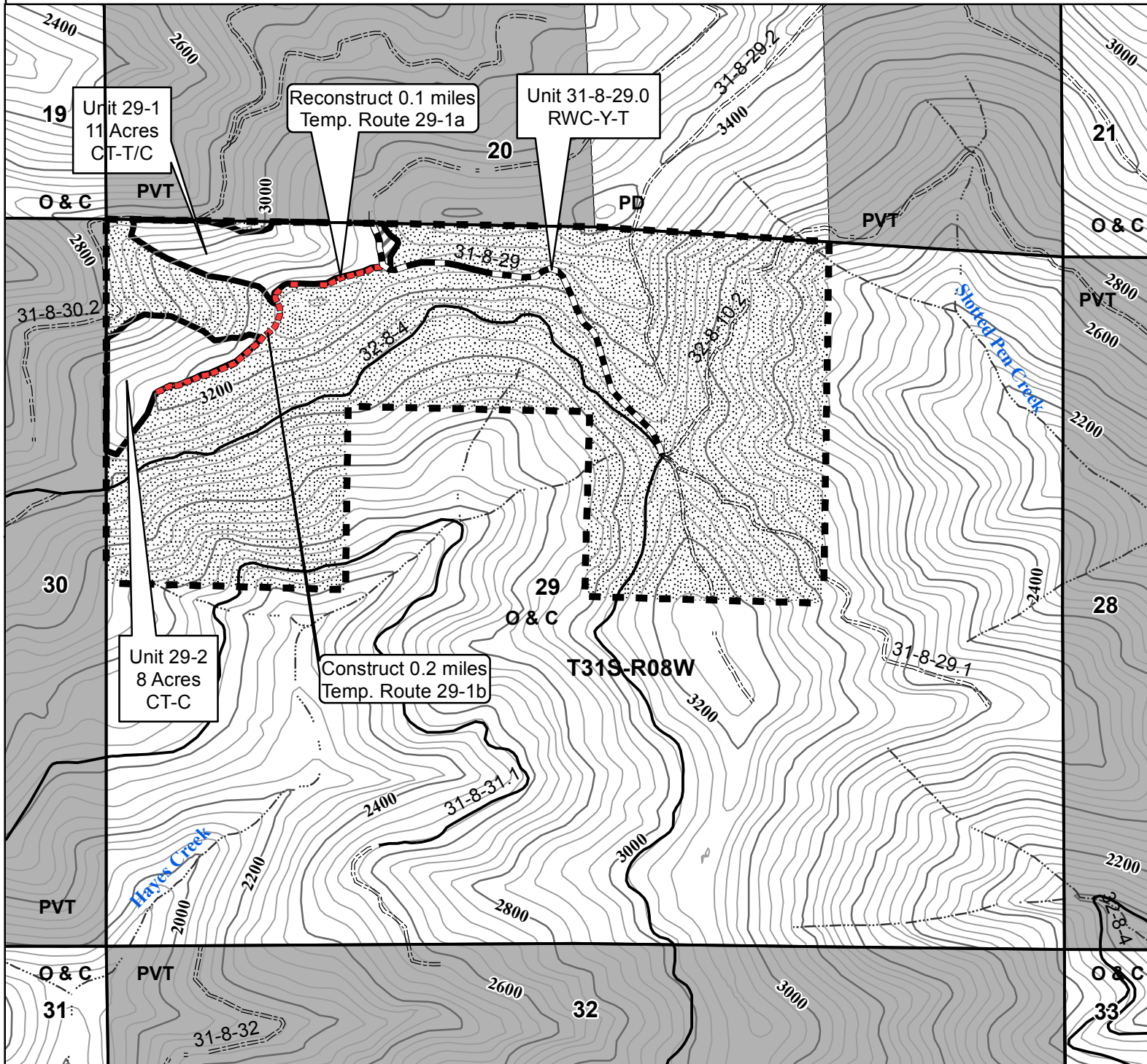
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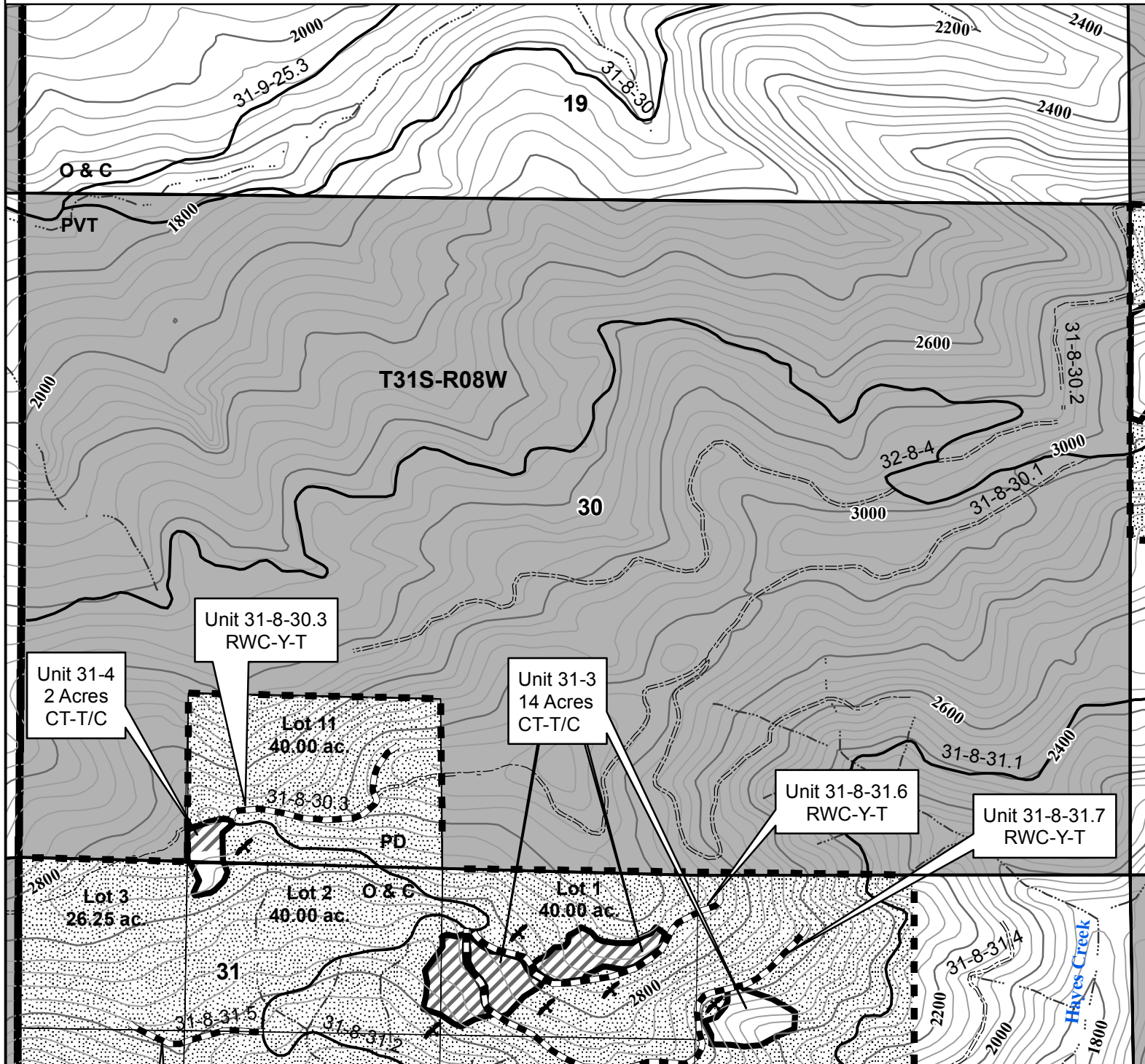


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0 550 1,100 2,200 Feet  
1 inch = 1,083 feet

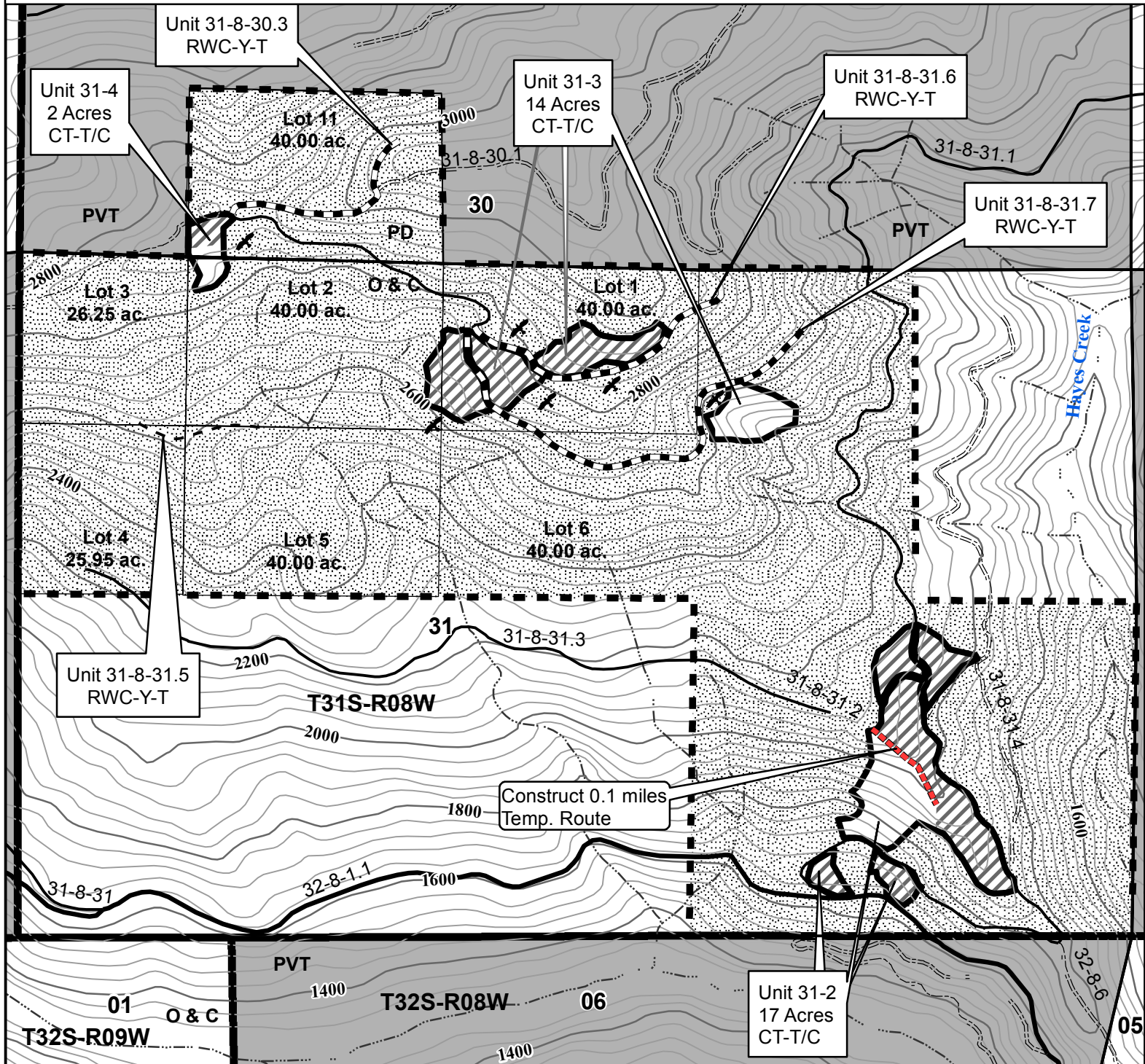
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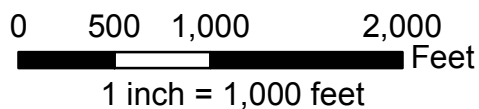


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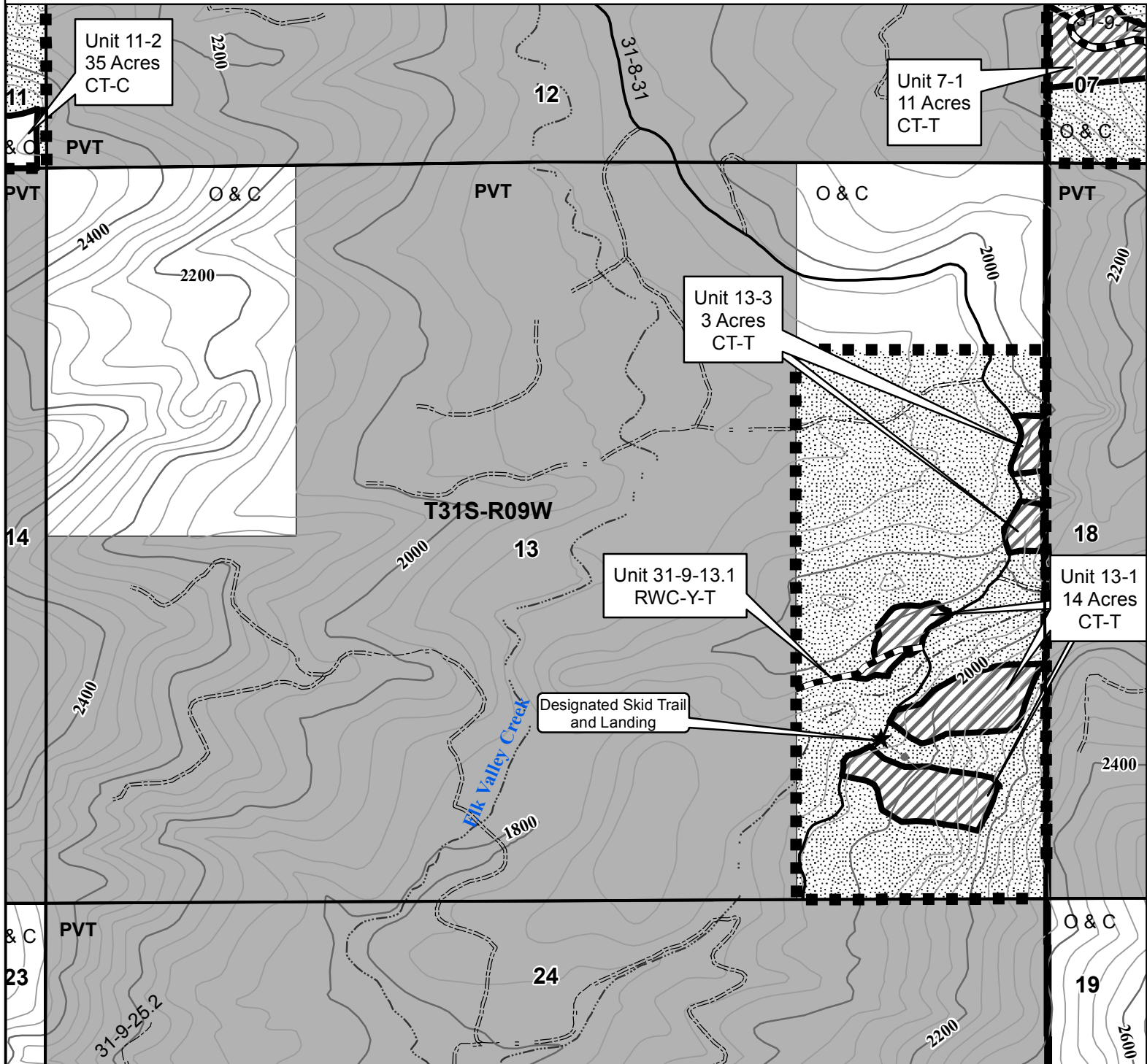


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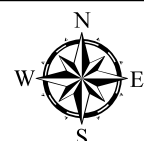


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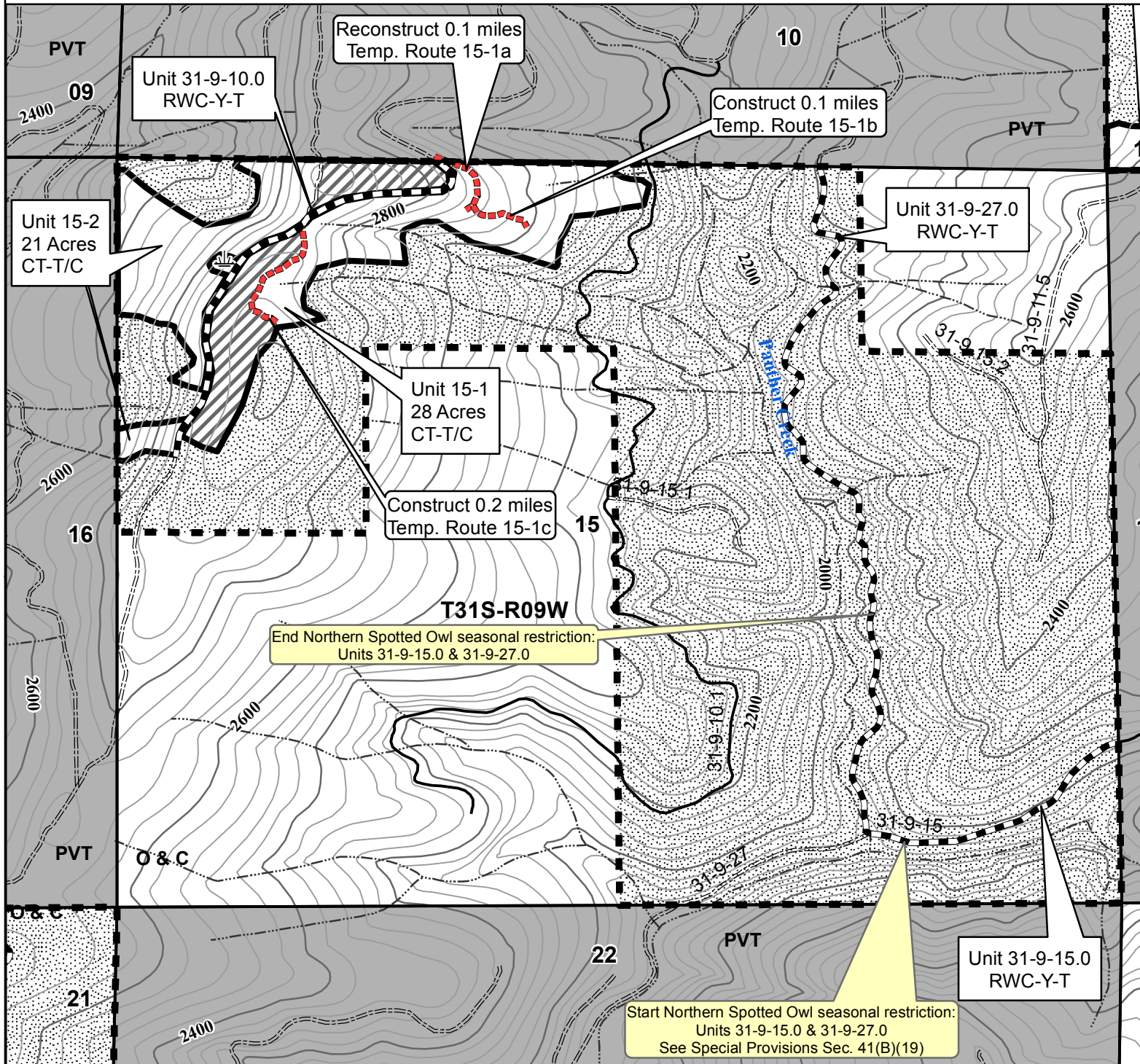


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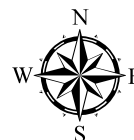
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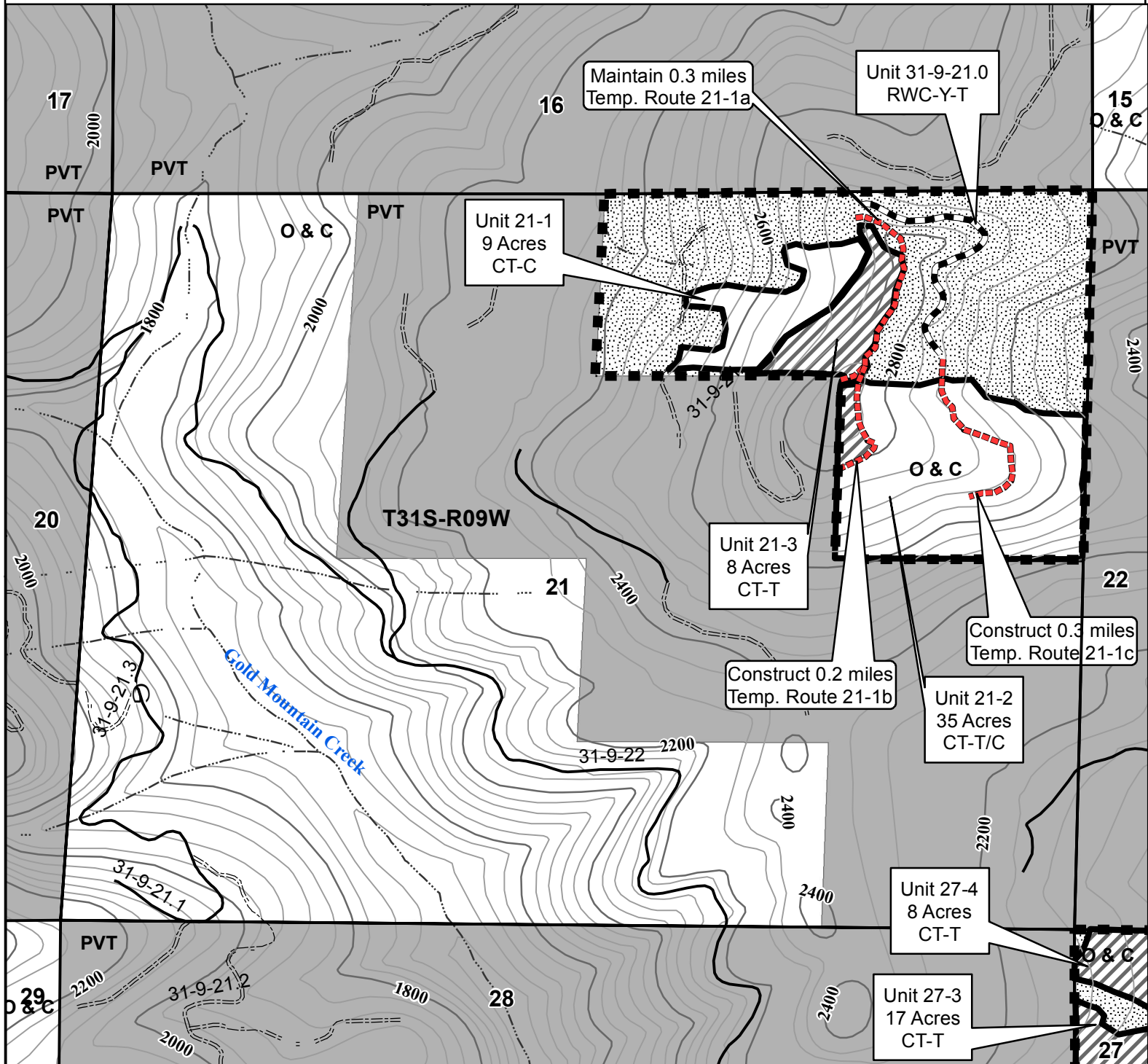
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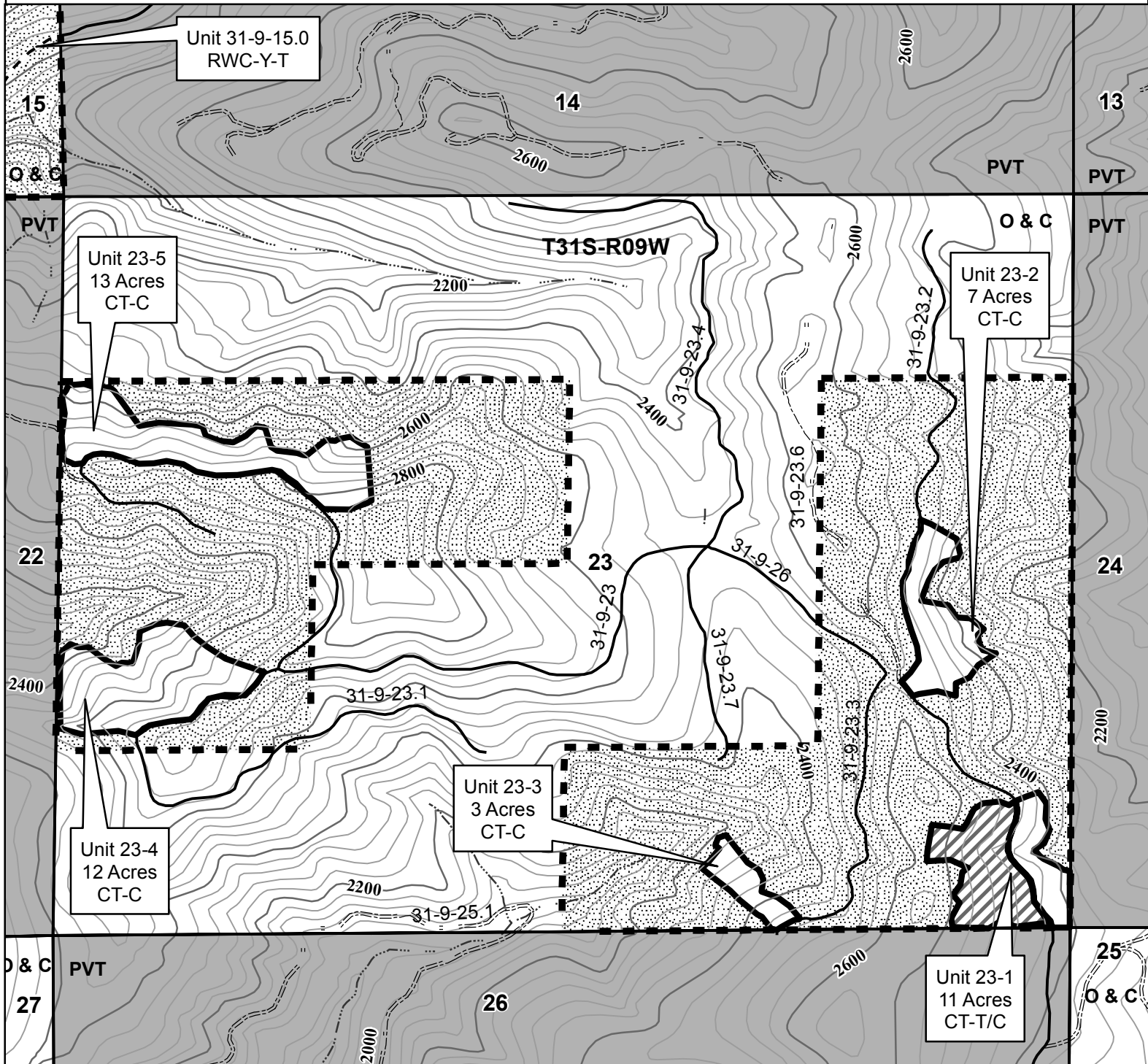


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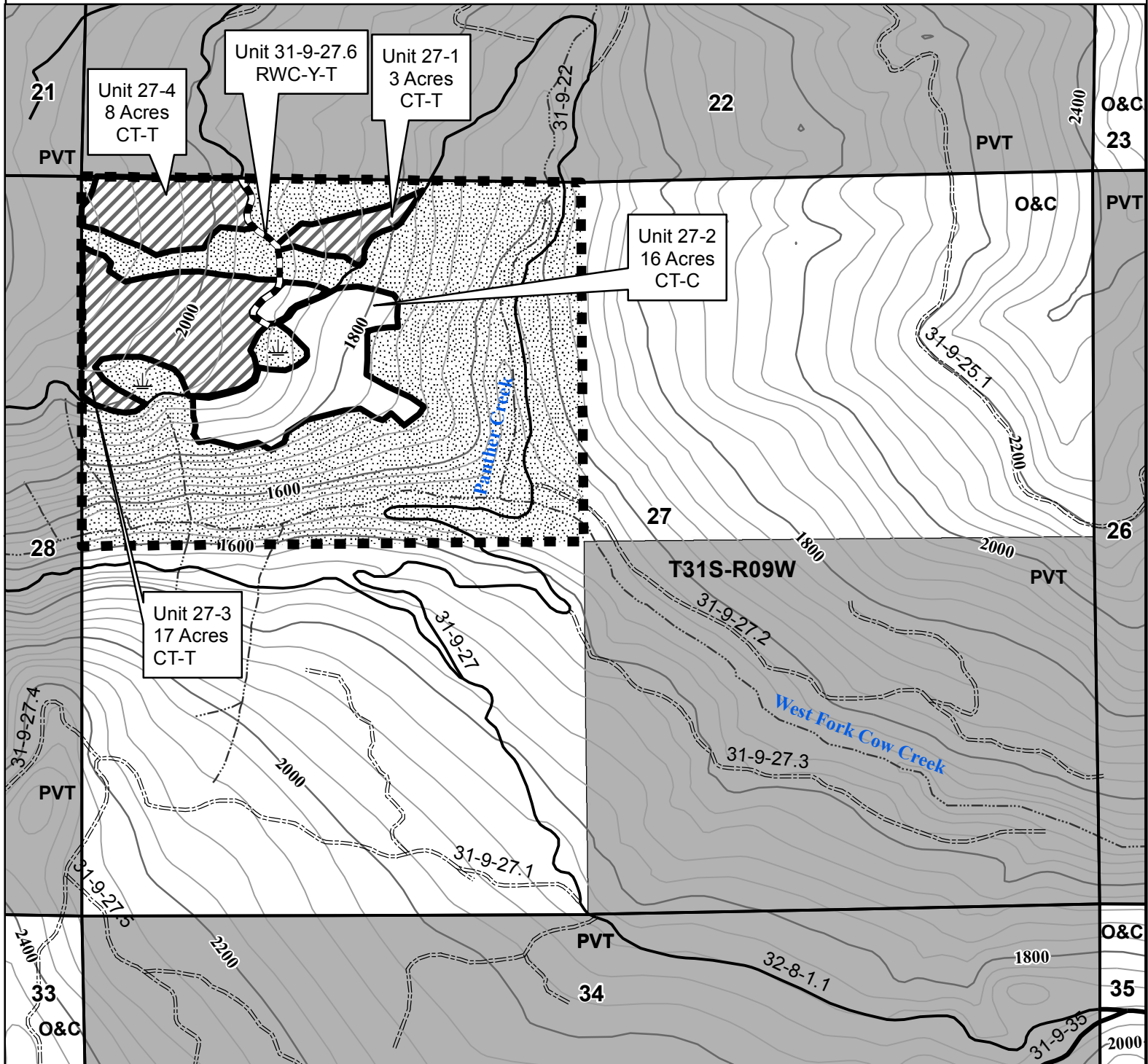
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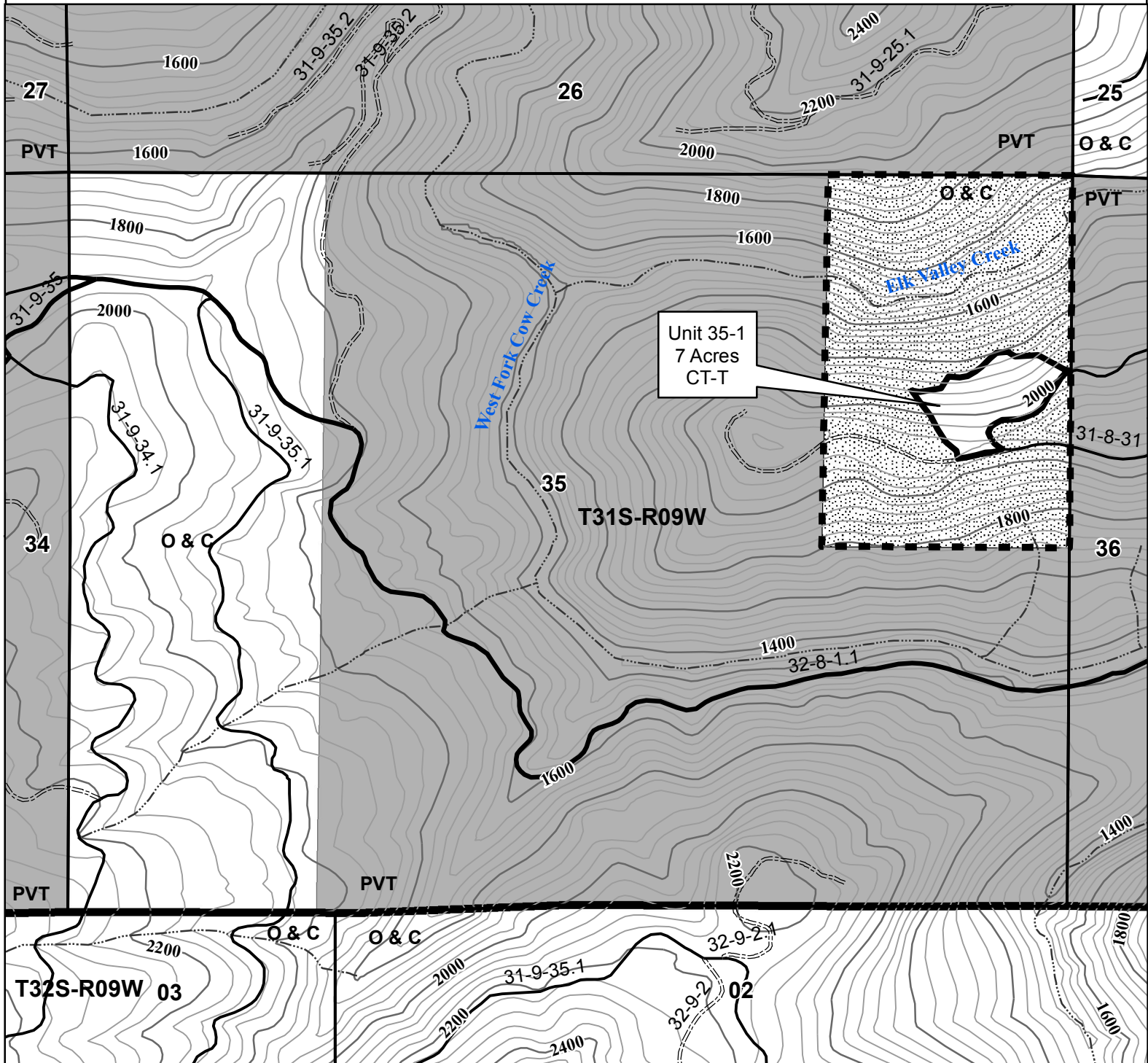


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## Legend

### Farout Commercial Thin Unit



Cable Yard



Tractor (Ground-based) Yard



Farout Roadway Unit



Temporary Route Construction, Renovation, and Maintenance



Designated Skid Trail



Designated Landing



Reserve Area



Contract Area Boundary



Wetland Buffer



Wildlife Buffer

### Roads



Paved



Rocked



Natural Surface



Gates



Stream



Intermediate 40-ft contour



Index 200-ft contour



Section



Township\_Range

### Ownership



BLM



BLM O&C Lands



BLM Public Domain Lands






Non-Federal



Private

## SUMMARY

CT-T	COMMERCIAL THIN-TRACTOR YARD (UNITS 7-1, 11-6, 13-1, 13-3, 21-3, 27-1, 27-3, 27-4, 35-1)	77 ACRES
CT-T/C	COMMERCIAL THIN-TRACTOR YARD AND CABLE YARD (UNITS 11-3, 11-4, 15-1, 15-2, 23-1, 29-1, 31-2, 31-3, 31-4)	153 ACRES
CT-C	COMMERCIAL THIN-CABLE YARD (UNITS 7-2, 11-2, 20-1, 21-1, 21-2, 23-2, 23-3, 23-4, 23-5, 27-2, 29-2)	157 ACRES
CT-B-C	COMMERCIAL THIN-BLUE MARK CUT TREE-CABLE YARD (UNIT 11-5)	2 ACRES
RWC-Y-T	ROADWAY CLEARING-YELLOW MARK CUT TREE-TRACTOR YARD (UNITS 31-8-29.0, 31-8-30.3, 31-8-31.0, 31-8-31.5, 31-8-31.6, 31-8-31.7, 31-9-10.0, 31-9-11.0, 31-9-11.4, 31-9-11.5, 31-9-12.0, 31-9-13.1, 31-9-15.0, 31-9-21.0, 31-9-27.0, 31-9-27.6)	25 ACRES
	TOTAL TIMBER SALE UNIT AREA	414 ACRES
	RESERVE AREA	2331.33 ACRES
	TOTAL CONTRACT AREA	2745.33 ACRES

U.S.D.I BLM MEDFORD DISTRICT SALE NO. 110-TS11-09  
T. 31 S., R. 8 W., SEC. 7, 20, 29, 30, 31 &  
T. 31 S., R. 9 W., SEC. 11, 13, 15, 21, 23, 27, 35 WILL. MER.  
FAROUT TIMBER SALE  
DOUGLAS COUNTY

TIMBER SALE CONTRACT MAP  
EXHIBIT A  
PAGE 14 OF 14

**LEGEND**

UNIT	ACRES	HARVEST TYPE	PAINT COLOR	LOGGING SYSTEM
7-1	11	CT	TBD	T
7-2	4	CT	TBD	C
11-2	35	CT	TBD	C
11-3	16	CT	TBD	T/C
11-4	33	CT	TBD	T/C
11-5	2	CT	B	C
11-6	6	CT	TBD	T
13-1	14	CT	TBD	T
13-3	3	CT	TBD	T
15-1	28	CT	TBD	T/C
15-2	21	CT	TBD	T/C
20-1	15	CT	TBD	C
21-1	9	CT	TBD	C
21-2	35	CT	TBD	C
21-3	8	CT	TBD	T
23-1	11	CT	TBD	T/C
23-2	7	CT	TBD	C
23-3	3	CT	TBD	C
23-4	12	CT	TBD	C
23-5	13	CT	TBD	C
27-1	3	CT	TBD	T
27-2	16	CT	TBD	C
27-3	17	CT	TBD	T
27-4	8	CT	TBD	T
29-1	11	CT	TBD	T/C
29-2	8	CT	TBD	C
31-2	17	CT	TBD	T/C
31-3	14	CT	TBD	T/C
31-4	2	CT	TBD	T/C
35-1	7	CT	TBD	T
31-8-29.0	1	RWC	Y	T
31-8-30.3	1	RWC	Y	T
31-8-31.0	3	RWC	Y	T
31-8-31.5	1	RWC	Y	T
31-8-31.6	1	RWC	Y	T
31-8-31.7	1	RWC	Y	T
31-9-10.0	2	RWC	Y	T
31-9-11.0	3	RWC	Y	T
31-9-11.4	1	RWC	Y	T
31-9-11.5	1	RWC	Y	T
31-9-12.0	5	RWC	Y	T
31-9-13.1	1	RWC	Y	T
31-9-15.0	1	RWC	Y	T
31-9-21.0	1	RWC	Y	T
31-9-27.0	1	RWC	Y	T
31-9-27.6	1	RWC	Y	T
<b>TOTAL</b>	<b>414</b>			

\* ALL ACRES COMPUTED BY GPS TRAVERSE

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

CT = COMMERCIAL THIN

RWC = ROADWAY CLEARING

TBD = PAINT COLOR USED BY PURCHASER TO MEET EXHIBIT E MARKING

GUIDELINES TO BE DETERMINED BY AUTHORIZED OFFICER

B = BLUE PAINT (CUT TREE MARK)

Y = YELLOW PAINT (CUT TREE MARK)

T = TRACTOR (GROUND-BASED) YARD

C = CABLE YARD

C/T = CABLE YARD/TRACTOR YARD



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

---

**District :** Medford  
**Sale Name :** Farout  
**Sale Date :** 09/15/2011  
**Appraisal Method :** 16' MBF

**Contract # :** TS 11-09  
**Job File # :** M11271  
**Master Unit :** Josephine  
**Planning Unit :** Glendale

---

**Contents**

Timber Sale Summary	2
Stumpage Summary	5
Prospectus	6
Exhibit B	8
Volume Summary	14
Stump to Truck Costs	20
Other Allowances Costs	21
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**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Timber - Sale - Summary**

Medford  
Farout  
TS 11-09

**Legal Description**

Forest Type	Township	Range	Section	Subdivision
O&C	31S	8W	7	Lot 8,9,10,11,12 NE1/4SE1/4,S1/2SE1/4
O&C	31S	8W	29	W1/2NE1/4, N1/2NW1/4, SW1/4NW1/4
PD	31S	8W	20	SW1/4NE1/4
PD	31S	8W	30	Lot 11
O&C	31S	8W	31	Lot 1,2,3,4,5,6 W1/2NE1/4, SE1/4
O&C	31S	9W	11	SW1/4NE1/4, NW1/4,S1/2
O&C	31S	9W	13	SE1/4NE1/4,E1/2SE1/4
O&C	31S	9W	15	W1/2NE1/4, SE1/4NE1/4, N1/2NW1/4, SW1/4NW1/4, SE1/4
O&C	31S	9W	21	N1/2NE1/4, SE1/4NE1/4
O&C	31S	9W	23	SE1/4NE1/4, S1/2NW1/4, NW1/4SW1/4, NE1/4SE1/4, S1/2SE1/4
O&C	31S	9W	27	NW1/4
O&C	31S	9W	35	E1/2NE1/4

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

Medford  
Farout  
TS 11-09

**Cutting Volume (16' MBF)**

Unit	DF	WF	IC						Total	Regen	Partial	ROW
11-2	650	31							681	0	35	0
11-3	180								180	0	16	0
11-4	258	56							314	0	33	0
11-5	15	21							36	0	2	0
11-6	111	5							116	0	6	0
13-1	81	9							90	0	14	0
13-3	17	2							19	0	3	0
15-1	231	13							244	0	28	0
15-2	261	73							334	0	21	0
20-1	853								853	0	15	0
21-1	35	12							47	0	9	0
21-2	842								842	0	35	0
21-3	31	10							41	0	8	0
23-1	46	18							64	0	11	0
23-2	103								103	0	7	0
23-3	23	32							55	0	3	0
23-4	106	19							125	0	12	0
23-5	53	40							93	0	13	0
27-1	58	4							62	0	3	0
27-2	307	20							327	0	16	0
27-3	327	21							348	0	17	0
27-4	154	10							164	0	8	0
29-1	77								77	0	11	0
29-2	56								56	0	8	0
31-2	101								101	0	17	0
31-3	153	76							229	0	14	0
31-4	22	11							33	0	2	0
35-1	37								37	0	7	0
7-1	118	24							142	0	11	0
7-2	43	9							52	0	4	0
Roadway	107	5	1						113	0	0	25
Totals	5,456	521	1						5,978	0	389	25

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

Medford  
Farout  
TS 11-09

**Logging Costs per 16' MBF**

Stump to Truck	\$	156.87
Transportation	\$	70.07
Road Construction	\$	21.64
Road Amortization	\$	1.16
Road Maintenance	\$	19.24

Other Allowances :

Fuels Treatment	\$ 4.14
Misc	\$ 3.34
Other Costs	\$ 5.30
<b>Total Other Allowances :</b>	<b>\$ 12.78</b>

Total Logging Costs per 16' MBF

**\$ 281.76**

**Utilization Centers**

Center #1 : Glendale 30 Miles  
Center #2 0 Miles  
Weighted distance to Utilization Centers 30

**Length of Contract**

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

**Profit & Risk**

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

**Tract Features**

Avg Log Douglas-fir : 51 bf All : 51 bf  
Recovery Douglas-fir : 93 % All : 92 %  
Salvage Douglas-fir : 1 % All : 1 %  
Avg Volume ( 16' MBF per Acre) 14  
Avg Yarding Slope 40 %  
Avg Yarding Distance (feet) 400  
Avg Age 58  
Volume Cable 68 %  
Volume Ground 32 %  
Volume Aerial 0 %  
Road Construction Stations 0.00  
Road Improvement Stations 0.00  
Road Renovation Stations 0.00  
Road Decommission Stations 0.00

**Cruise**

Cruised By Caulfield, Dowding, Franks  
Date 07/01/2011  
Type of Cruise PCMTRE, 3P, BLM100  
County, State Douglas, OR

**Net Volume**

Green (16' MBF) 5,918  
Salvage (16' MBF) 60  
Douglas-fir Peeler 109  
Export Volume 0  
Scaling Allowance (\$0.75 per 16' MBF) \$4,483.50

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Medford  
Farout  
TS 11-09

**Stumpage Summary**

**Stumpage Computation (16' MBF)**

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	32,528	5,456	\$ 384.88	\$ 30.79	\$ 281.76			\$ 72.30	\$ 394,468.80
WF	4,036	521	\$ 305.21	\$ 24.42	\$ 281.76			<b>\$ 30.50</b>	\$ 15,890.50
IC	41	1	\$ 474.70	\$ 37.98	\$ 281.76			\$ 155.00	\$ 155.00
<b>Totals</b>	<b>36,605</b>	<b>5,978</b>							<b>\$ 410,514.30</b>

**Log Code by Percent**

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
White Fir				40.0	51.0	9.0
Douglas-fir			2.0	46.0	46.0	6.0
Incense-cedar					8.0	93.0

**Marginal Log Volume**

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

**Appraised By :** Caulfield, Dave

**Date :** 07/20/2011

**Area Approval By :** Franks, Annie

**Date :** 07/28/2011

**District Approval By :**

**Date :**



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

Medford  
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**Prospectus**

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

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	32,528	5,456	4,582	9,743
White Fir	4,036	521	426	959
Incense-cedar	41	1	1	2
<b>Total</b>	<b>36,605</b>	<b>5,978</b>	<b>5,009</b>	<b>10,704</b>

**All Species**

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
6,487	36,605	177	13.4	6,452	127,004	50

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
127,004	1,631	128,635	3	5,978	6,487	92 %

**Douglas-fir**

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
5,892	32,528	181	13.5	5,859	113,964	51

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
113,964	1,546	115,510	3	5,456	5,892	93 %

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**Cutting Areas**

<b>Unit</b>	<b>Regen Acres</b>	<b>Partial Cut Acres</b>	<b>Right Of Way Acres</b>	<b>Total Acres</b>
11-2		35		35
11-3		16		16
11-4		33		33
11-5		2		2
11-6		6		6
13-1		14		14
13-3		3		3
15-1		28		28
15-2		21		21
20-1		15		15
21-1		9		9
21-2		35		35
21-3		8		8
23-1		11		11
23-2		7		7
23-3		3		3
23-4		12		12
23-5		13		13
27-1		3		3
27-2		16		16
27-3		17		17
27-4		8		8
29-1		11		11
29-2		8		8
31-2		17		17
31-3		14		14
31-4		2		2
35-1		7		7
7-1		11		11
7-2		4		4
Roadway			25	25
<b>Totals :</b>		<b>389</b>	<b>25</b>	<b>414</b>

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**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	5,456		
White Fir	521		
Incense-cedar	1		
<b>Sale Totals</b>	<b>5,978</b>		

**Unit Details (16' MB)**

**Unit 11-2                      35 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	650		
White Fir	31		
<b>Unit Totals</b>	<b>681</b>		

**Unit 11-3                      16 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	180		
<b>Unit Totals</b>	<b>180</b>		

**Unit 11-4                      33 Acres                      Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	258		
White Fir	56		
<b>Unit Totals</b>	<b>314</b>		

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Species	Net Volume	Bid Price	Species Value
Douglas-fir	15		
White Fir	21		
<b>Unit Totals</b>	<b>36</b>		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	111		
White Fir	5		
<b>Unit Totals</b>	<b>116</b>		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	81		
White Fir	9		
<b>Unit Totals</b>	<b>90</b>		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	17		
White Fir	2		
<b>Unit Totals</b>	<b>19</b>		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	231		
White Fir	13		
<b>Unit Totals</b>	<b>244</b>		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	261		
White Fir	73		
<b>Unit Totals</b>	<b>334</b>		

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**Unit 20-1 15 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	853		
<b>Unit Totals</b>	<b>853</b>		

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

Species	Net Volume	Bid Price	Species Value
Douglas-fir	35		
White Fir	12		
<b>Unit Totals</b>	<b>47</b>		

**Unit 21-2 35 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	842		
<b>Unit Totals</b>	<b>842</b>		

**Unit 21-3 8 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	31		
White Fir	10		
<b>Unit Totals</b>	<b>41</b>		

**Unit 23-1 11 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	46		
White Fir	18		
<b>Unit Totals</b>	<b>64</b>		

**Unit 23-2 7 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	103		
<b>Unit Totals</b>	<b>103</b>		

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

Species	Net Volume	Bid Price	Species Value
Douglas-fir	23		
White Fir	32		
<b>Unit Totals</b>	<b>55</b>		

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**Unit 23-4 12 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	106		
White Fir	19		
<b>Unit Totals</b>	<b>125</b>		

**Unit 23-5 13 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	53		
White Fir	40		
<b>Unit Totals</b>	<b>93</b>		

**Unit 27-1 3 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	58		
White Fir	4		
<b>Unit Totals</b>	<b>62</b>		

**Unit 27-2 16 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	307		
White Fir	20		
<b>Unit Totals</b>	<b>327</b>		

**Unit 27-3 17 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	327		
White Fir	21		
<b>Unit Totals</b>	<b>348</b>		

**Unit 27-4 8 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	154		
White Fir	10		
<b>Unit Totals</b>	<b>164</b>		

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**Unit 29-1 11 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	77		
<b>Unit Totals</b>	<b>77</b>		

**Unit 29-2 8 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	56		
<b>Unit Totals</b>	<b>56</b>		

**Unit 31-2 17 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	101		
<b>Unit Totals</b>	<b>101</b>		

**Unit 31-3 14 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	153		
White Fir	76		
<b>Unit Totals</b>	<b>229</b>		

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

Species	Net Volume	Bid Price	Species Value
Douglas-fir	22		
White Fir	11		
<b>Unit Totals</b>	<b>33</b>		

**Unit 35-1 7 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	37		
<b>Unit Totals</b>	<b>37</b>		

**Unit 7-1 11 Acres Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	118		
White Fir	24		
<b>Unit Totals</b>	<b>142</b>		

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**Unit    7-2                                  4 Acres                                  Value per Acre : \$0.00**

<b>Species</b>	<b>Net Volume</b>	<b>Bid Price</b>	<b>Species Value</b>
Douglas-fir	43		
White Fir	9		
<b>Unit Totals</b>	<b>52</b>		

**Unit    Roadway                                  25 Acres                                  Value per Acre : \$0.00**

<b>Species</b>	<b>Net Volume</b>	<b>Bid Price</b>	<b>Species Value</b>
Douglas-fir	107		
Incense-cedar	1		
White Fir	5		
<b>Unit Totals</b>	<b>113</b>		



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Volume Summary**

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**Sale Volume Totals**

414 Acres      0 Regen      389 Partial      25 R/W      31 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	32,528	113,964	1,546	5,456	5,859	5,892	4,582	4,922	4,955	9,743	10,403	10,483
White Fir	4,036	12,996	85	521	592	594	426	479	481	959	1,087	1,094
Incense-cedar	41	44	0	1	1	1	1	1	1	2	2	2
<b>Totals</b>	<b>36,605</b>	<b>127,004</b>	<b>1,631</b>	<b>5,978</b>	<b>6,452</b>	<b>6,487</b>	<b>5,009</b>	<b>5,402</b>	<b>5,437</b>	<b>10,704</b>	<b>11,492</b>	<b>11,579</b>

**Unit Totals**

Unit : 11-2      35 Acres      0 Regen      35 Partial      0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	4,676	19,281	149	695	692	650
White Fir	290	1,450		34	34	31
<b>Unit Totals</b>	<b>4,966</b>	<b>20,731</b>	<b>149</b>	<b>729</b>	<b>726</b>	<b>681</b>

Unit : 11-3      16 Acres      0 Regen      16 Partial      0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,701	5,969		187	187	180
<b>Unit Totals</b>	<b>1,701</b>	<b>5,969</b>		<b>187</b>	<b>187</b>	<b>180</b>

Unit : 11-4      33 Acres      0 Regen      33 Partial      0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	3,818	9,316		269	269	258
White Fir	1,312	3,184		77	77	56
<b>Unit Totals</b>	<b>5,130</b>	<b>12,500</b>		<b>346</b>	<b>346</b>	<b>314</b>

Unit : 11-5      2 Acres      0 Regen      2 Partial      0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
White Fir	47	267		22	22	21
Douglas-fir	201	633		19	19	15
<b>Unit Totals</b>	<b>248</b>	<b>900</b>		<b>41</b>	<b>41</b>	<b>36</b>

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**Unit : 11-6                      6 Acres                      0 Regen                      6 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	802	3,305	25	119	119	111
White Fir	50	248		6	6	5
<b>Unit Totals</b>	<b>852</b>	<b>3,553</b>	<b>25</b>	<b>125</b>	<b>125</b>	<b>116</b>

**Unit : 13-1                      14 Acres                      0 Regen                      14 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	623	1,911		87	87	81
White Fir	242	484		10	10	9
<b>Unit Totals</b>	<b>865</b>	<b>2,395</b>		<b>97</b>	<b>97</b>	<b>90</b>

**Unit : 13-3                      3 Acres                      0 Regen                      3 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	133	409		19	19	17
White Fir	52	104		2	2	2
<b>Unit Totals</b>	<b>185</b>	<b>513</b>		<b>21</b>	<b>21</b>	<b>19</b>

**Unit : 15-1                      28 Acres                      0 Regen                      28 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	2,006	6,261	170	255	252	231
White Fir	48	191		20	20	13
<b>Unit Totals</b>	<b>2,054</b>	<b>6,452</b>	<b>170</b>	<b>275</b>	<b>272</b>	<b>244</b>

**Unit : 15-2                      21 Acres                      0 Regen                      21 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,747	5,778		278	278	261
White Fir	333	1,455		84	84	73
<b>Unit Totals</b>	<b>2,080</b>	<b>7,233</b>		<b>362</b>	<b>362</b>	<b>334</b>

**Unit : 20-1                      15 Acres                      0 Regen                      15 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,050	7,165	341	950	939	853
<b>Unit Totals</b>	<b>1,050</b>	<b>7,165</b>	<b>341</b>	<b>950</b>	<b>939</b>	<b>853</b>

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**Unit : 21-1                      9 Acres                      0 Regen                      9 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	434	1,165		40	40	35
White Fir	27	136		13	13	12
<b>Unit Totals</b>	<b>461</b>	<b>1,301</b>		<b>53</b>	<b>53</b>	<b>47</b>

**Unit : 21-2                      35 Acres                      0 Regen                      35 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,438	8,452	116	911	907	842
<b>Unit Totals</b>	<b>1,438</b>	<b>8,452</b>	<b>116</b>	<b>911</b>	<b>907</b>	<b>842</b>

**Unit : 21-3                      8 Acres                      0 Regen                      8 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	386	1,036		35	35	31
White Fir	24	121		12	12	10
<b>Unit Totals</b>	<b>410</b>	<b>1,157</b>		<b>47</b>	<b>47</b>	<b>41</b>

**Unit : 23-1                      11 Acres                      0 Regen                      11 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	496	1,513		50	50	46
White Fir	200	684		20	20	18
<b>Unit Totals</b>	<b>696</b>	<b>2,197</b>		<b>70</b>	<b>70</b>	<b>64</b>

**Unit : 23-2                      7 Acres                      0 Regen                      7 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	618	2,495		109	109	103
<b>Unit Totals</b>	<b>618</b>	<b>2,495</b>		<b>109</b>	<b>109</b>	<b>103</b>

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

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
White Fir	70	400		33	33	32
Douglas-fir	302	949		29	29	23
<b>Unit Totals</b>	<b>372</b>	<b>1,349</b>		<b>62</b>	<b>62</b>	<b>55</b>

**Unit : 23-4                      12 Acres                      0 Regen                      12 Partial                      0 R/W**

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net

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Douglas-fir	1,361	3,896		111	111	106
White Fir	101	403		19	19	19
<b>Unit Totals</b>	<b>1,462</b>	<b>4,299</b>		<b>130</b>	<b>130</b>	<b>125</b>

**Unit : 23-5                      13 Acres                      0 Regen                      13 Partial                      0 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	282	967		57	57	53
White Fir	204	651	73	55	53	40
<b>Unit Totals</b>	<b>486</b>	<b>1,618</b>	<b>73</b>	<b>112</b>	<b>110</b>	<b>93</b>

**Unit : 27-1                      3 Acres                      0 Regen                      3 Partial                      0 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	210	922		61	61	58
White Fir	5	28		4	4	4
<b>Unit Totals</b>	<b>215</b>	<b>950</b>		<b>65</b>	<b>65</b>	<b>62</b>

**Unit : 27-2                      16 Acres                      0 Regen                      16 Partial                      0 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	1,120	4,920		324	324	307
White Fir	25	149		20	20	20
<b>Unit Totals</b>	<b>1,145</b>	<b>5,069</b>		<b>344</b>	<b>344</b>	<b>327</b>

**Unit : 27-3                      17 Acres                      0 Regen                      17 Partial                      0 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	1,189	5,227		344	344	327
White Fir	26	158		22	22	21
<b>Unit Totals</b>	<b>1,215</b>	<b>5,385</b>		<b>366</b>	<b>366</b>	<b>348</b>

**Unit : 27-4                      8 Acres                      0 Regen                      8 Partial                      0 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	560	2,460		162	162	154
White Fir	12	74		10	10	10
<b>Unit Totals</b>	<b>572</b>	<b>2,534</b>		<b>172</b>	<b>172</b>	<b>164</b>

**Unit : 29-1                      11 Acres                      0 Regen                      11 Partial                      0 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	779	2,093	302	86	81	77

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<b>Unit Totals</b>	<b>779</b>	<b>2,093</b>	<b>302</b>	<b>86</b>	<b>81</b>	<b>77</b>
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**Unit : 29-2                      8 Acres                      0 Regen                      8 Partial                      0 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	567	1,522	219	63	59	56
<b>Unit Totals</b>	<b>567</b>	<b>1,522</b>	<b>219</b>	<b>63</b>	<b>59</b>	<b>56</b>

**Unit : 31-2                      17 Acres                      0 Regen                      17 Partial                      0 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	1,543	3,883		108	108	101
<b>Unit Totals</b>	<b>1,543</b>	<b>3,883</b>		<b>108</b>	<b>108</b>	<b>101</b>

**Unit : 31-3                      14 Acres                      0 Regen                      14 Partial                      0 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	497	2,121	196	168	165	153
White Fir	285	1,141		81	81	76
<b>Unit Totals</b>	<b>782</b>	<b>3,262</b>	<b>196</b>	<b>249</b>	<b>246</b>	<b>229</b>

**Unit : 31-4                      2 Acres                      0 Regen                      2 Partial                      0 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	71	303	28	24	24	22
White Fir	41	163		11	11	11
<b>Unit Totals</b>	<b>112</b>	<b>466</b>	<b>28</b>	<b>35</b>	<b>35</b>	<b>33</b>

**Unit : 35-1                      7 Acres                      0 Regen                      7 Partial                      0 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	327	1,070		38	38	37
<b>Unit Totals</b>	<b>327</b>	<b>1,070</b>		<b>38</b>	<b>38</b>	<b>37</b>

**Unit : 7-1                      11 Acres                      0 Regen                      11 Partial                      0 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	1,252	3,823		127	127	118
White Fir	419	991		25	25	24
<b>Unit Totals</b>	<b>1,671</b>	<b>4,814</b>		<b>152</b>	<b>152</b>	<b>142</b>

**Unit : 7-2                      4 Acres                      0 Regen                      4 Partial                      0 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>
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Medford  
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TS 11-09

Douglas-fir	455	1,390		46	46	43
White Fir	153	360		9	9	9
<b>Unit Totals</b>	<b>608</b>	<b>1,750</b>		<b>55</b>	<b>55</b>	<b>52</b>

**Unit : Roadway                      25 Acres                      0 Regen                      0 Partial                      25 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	1,884	3,729		121	121	107
White Fir	70	154	12	5	5	5
Incense-cedar	41	44		1	1	1
<b>Unit Totals</b>	<b>1,995</b>	<b>3,927</b>	<b>12</b>	<b>127</b>	<b>127</b>	<b>113</b>

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**Stump to Truck Costs**

**Total (16' MBF)**

<b>Total Stump to Truck Costs</b>	<b>Net Volume</b>	<b>Cost / Net Volume</b>
\$ 937,779.44	5,978	\$ 156.87

**Detail**

**Yarding & Loading**

<b>Yarding System</b>	<b>Unit Of Measure</b>	<b>Units</b>	<b>Cost / Unit</b>	<b>Total Cost</b>
Med Twr=40-70	MBF	4,376	\$ 152.48	\$ 667,252.48
Track Skidder	MBF	2,076	\$ 116.58	\$ 242,020.08
<b>Subtotal</b>				<b>\$ 909,272.56</b>

**Other Costs**

<b>Explanation</b>	<b>Unit Of Measure</b>	<b>Units</b>	<b>Cost / Unit</b>	<b>Total Cost</b>
Int. Supports	Tree	12	\$ 250.00	\$ 3,000.00
Lift Tree	Tree	12	\$ 150.00	\$ 1,800.00
Deadman Anchors	3 Anchors	6	\$ 1,250.00	\$ 7,500.00
Directional Falling	MBF	598	\$ 14.56	\$ 8,706.88
<b>Subtotal</b>				<b>\$ 21,006.88</b>

**Additional Move-Ins**

<b>Equipment</b>	<b># Move-In</b>	<b>Cost / Move In</b>	<b>Total Cost</b>
Yarder / Loader	5	\$ 500.00	\$ 2,500.00
Yarder / Loader	5	\$ 500.00	\$ 2,500.00
Dozer	5	\$ 500.00	\$ 2,500.00
<b>Subtotal</b>			<b>\$ 7,500.00</b>

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**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>
\$76,427.48	5,978	\$12.78	\$0.00

**Fuels Treatment**

**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>
Lop and Scatter-Lvl 1	\$ 10,890.00	\$ 1.82	N	\$ 0.00
Hand Pile, Cvr - Level 1	\$ 13,530.00	\$ 2.26	N	\$ 0.00
Hand Pile, Cvr - Level 6	\$ 350.00	\$ 0.06	N	\$ 0.00
<b>Subtotal</b>	<b>\$ 24,770.00</b>	<b>\$ 4.14</b>		<b>\$ 0.00</b>

**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>
Additional Equipment Time	\$ 5,000.00	\$ 0.84	N	\$ 0.00
Marking	\$ 14,960.00	\$ 2.50		\$ 0.00
<b>Subtotal</b>	<b>\$ 19,960.00</b>	<b>\$ 3.34</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>
Ripping	\$ 450.00	\$ 0.08	N	\$ 0.00
Skid Location	\$ 960.00	\$ 0.16	N	\$ 0.00
Skid Construction	\$ 2,400.00	\$ 0.40	N	\$ 0.00
Waterbar Skids	\$ 600.00	\$ 0.10	N	\$ 0.00
Stream and Culvert Cleaning	\$ 384.00	\$ 0.06	N	\$ 0.00
Barricades	\$ 600.00	\$ 0.10	N	\$ 0.00
Temporary Spur Construction	\$ 3,000.00	\$ 0.50	N	\$ 0.00
Landing Construction	\$ 7,500.00	\$ 1.25	N	\$ 0.00
Hand Seeding @ 17 lb seed per hour	\$ 332.00	\$ 0.06	N	\$ 0.00
Mulching (2 hours/5 bales)	\$ 416.00	\$ 0.07	N	\$ 0.00
Equipment Washing	\$ 256.00	\$ 0.04	N	\$ 0.00
Landing Clean up	\$ 7,500.00	\$ 1.25	N	\$ 0.00
Chipping Operation	\$ 6,000.00	\$ 1.00	N	\$ 0.00
End Hauling	\$ 1,299.48	\$ 0.22	N	\$ 0.00
<b>Subtotal</b>	<b>\$ 31,697.48</b>	<b>\$ 5.30</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.



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Consolidated Comments**

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**General**

Roadside clearing units combined into 1 unit labled Roadside. See cruise printouts for more information.  
Western Hemlock is combined with White Fir.  
Western Red Cedar is combined with Incense Cedar.

**Yarding & Loading**

Short Move-Ins between road systems move multiple pieces of equipment per day.

**Road Costs**

(see Engineering Appraisal for details).

**Transportation**

(see Transportation appendix for details).

**Other Allowances**

Cover Landing Decks is Labeled as Hand Pile, Cvr-Level 6.  
Chipping, End Hauling and Additional Equipment Time are all expenses associated with the OSU roadway clearing research project.

**Prospectus**

Tract No : TS11-09  
Sale Name: Farout  
Prep. By : Brown  
Sale Date: 9/2011

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ROAD MAINTENANCE AND ROAD USE APPRAISAL WORK SHEET

Summary of Costs

1. Road Use - Amortization: (1) \$6923.00/5978 MBF = \$1.16/MBF 1/  
(RC-3 & RC-3a) (Tot Sale Vol)

2. Road Maintenance Obligation:

<u>\$74967.29</u>	+	<u>\$0.00</u>	+	<u>\$19170.36</u>	+	<u>\$0.00</u>	=	<u>\$94137.65</u>
(2.1)		(3.1)		(4.1)		(5.1)		(RC-2c)

3. Rockwear Obligation:

<u>\$6162.60</u>	+	<u>\$0.00</u>	+	<u>\$5006.00</u>	+	<u>\$0.00</u>	=	<u>\$11168.60</u>
(4.2)		(5.2)		(7.1)		(7.2)		(RC-2g)

4. Other Maintenance Payments:

Total (6)	=	<u>\$0.00</u>
		(RC-3a)

5. Purchaser Maintenance Allowances:

(7.3A) Move In . . . . .	\$643.10
(7.3B) Culverts, Catch Basins, Downspouts . . . . .	\$2924.50
(7.3C) Grading, Ditching . . . . .	\$6128.00
(7.3D) Slide Removal and Slump Repair . . . . .	\$0.00
(7.3E) Dust Palliative (Water) . . . . .	\$0.00
(7.3F) Surface Repair (Aggregate) . . . . .	\$0.00
(7.3G) Dust Palliative (Bituminous, Lignin, MgCl) . . .	\$0.00
(7.3H) Other . . . . .	\$0.00

Total (7.3)	=	<u>\$9695.60</u>
		(RC-2a & Ex D)

(2+3+4+5) Total = 115,001.85/5978 MBF = \$19.24/MBF 1/  
(Total Sale Vol)

Costs are estimates only and do not include Profit and Risk.  
1/ Enter on Timber Sale Summary Form OSO 5420-1.

OR110-9113-1

1. Road Use Fees - Amortization

R/W Number	Road Number	Rd Use Fee	Vol x MBF	Road Use = Obligation
R-868	31-8-29.2	8.00	853	\$6824.00
M-605	31-9-13.1	5.50	18	\$99.00

(1) Subtotal \$6923.00

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

Road Number and Segment	A Surf N Type	Mi	Maint x Fee	Vol x MBF	Total = Maint
30-6-32.0 D	A BST2	0.30	0.65	5978	\$1165.71
31-8-30.3	N ASC	0.30	1.30	2	\$0.78
31-8-31.4	N NAT	0.11	0.79	10	\$0.87
31-9-11.0 A1	N ASC	0.55	1.30	1672	\$1195.48
31-9-11.0 A2	N ASC	0.40	1.30	654	\$340.08
31-9-11.0 B	N PRR	0.38	1.30	609	\$300.85
31-9-11.5	N NAT	0.11	0.79	37	\$3.22
31-9-23.1	N PRR	0.15	1.30	125	\$24.38
31-9-25.1 A	A PRR	1.14	1.13	440	\$566.81
31-9-26.0 B1	N GRR	0.55	1.30	440	\$314.60
31-9-26.0 B2	N GRR	0.26	1.30	218	\$73.68
32-8-1.1 A	A BST2	2.40	0.65	5978	\$9325.68
32-8-1.1 B1	A BST2	1.44	0.65	5978	\$5595.41
32-8-1.1 B2A	A BST1	0.81	0.65	5978	\$3147.42
32-8-1.1 B2B	A BST1	1.80	0.65	4985	\$5832.45
32-8-1.1 B2C	A BST1	0.88	0.65	4617	\$2640.92
32-8-1.1 C	A BST1	2.90	0.65	1836	\$3460.86
32-8-1.1 D	A ASC	0.91	1.13	1836	\$1887.96
33-7-2.0 A	A BST2	7.49	0.65	5978	\$29103.89
33-7-2.0 B	A BST2	2.47	0.65	5978	\$9597.68
33-7-2.0 C	A BST2	0.10	0.65	5978	\$388.57

(2.1) Subtotal \$74967.29

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	Mi	Maint x Fee	Vol C.Y.	Total = Maint
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(3.1) Subtotal

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

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

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

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

MAINTENANCE (4.1)						ROCKWEAR (4.2) 2/ 3/			
Road Number and Segment	A	Maint Mi	Vol x Fee	Total x MBF = Maint		Rkwear Mi	Vol x Fee	Total x MBF = Rkwear	
31-8-31.0 A	A	3.80	0.62	2781	\$6552.04				
31-8-31.0 B	A	0.36	0.62	2304	\$514.25				
31-8-31.0 C	N	1.60	0.79	2304	\$2912.26	1.60	0.51	2304	\$1880.06

31-8-31.0 D	N	1.30	0.79	2304	\$2366.21				
31-8-31.0 E	N	0.50	0.79	1981	\$782.50	0.50	0.51	1981	\$505.16
31-8-31.0 F	N	1.00	0.79	1981	\$1564.99	1.00	0.51	1981	\$1010.31
31-8-31.0 G	N	1.30	0.79	193	\$198.21				
31-9-13.1	N	0.14	0.79	18	\$1.99				
31-9-15.0	N	0.32	0.79	609	\$153.96	0.32	0.51	609	\$99.39
31-9-21.0 A	N	0.70	0.79	934	\$516.50	0.70	0.51	934	\$333.44
31-9-22.0 A1	N	0.87	0.79	1836	\$1261.88	0.87	0.51	1836	\$739.72
31-9-22.0 A2	N	0.40	0.79	934	\$295.14	0.40	0.51	934	\$190.54
31-9-22.0 B	N	0.36	0.79	934	\$265.63	0.36	0.51	934	\$171.48
31-9-22.0 C	N	0.70	0.79	934	\$516.50	0.70	0.51	934	\$333.44
31-9-26.0 A	N	0.57	0.79	440	\$198.13	0.57	0.51	440	\$127.91
31-9-27.0 B	N	0.15	0.79	1836	\$217.57	0.15	0.51	1836	\$140.45
31-9-27.0 D	N	1.62	0.79	605	\$774.28				
31-9-27.6	N	0.25	0.79	367	\$72.48	0.25	0.51	367	\$46.79
31-9-35.3	N	0.20	0.79	37	\$5.85				
31-9-11.0 C	N					0.00	0.51	609	\$583.91

(4.1) Subtotal \$19170.36

(4.2) Subtotal \$6162.60

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	
31-8-29.0 A	A	0.51	0.00	140	\$0.00	0.00	0.00	0	\$0.00
31-8-29.2	N	1.04	0.00	853	\$0.00	0.00	0.00	0	\$0.00
31-8-31.1 A1	N	0.04	0.51	368	\$7.51				
31-8-31.1 A2	N	0.90	0.51	368	\$168.91				
31-8-31.2 AA	N	1.35	0.51	267	\$183.83				
31-8-31.2 AB	N	0.54	0.51	35	\$9.64				
31-8-31.6	N	0.38	0.51	115	\$22.29				
31-8-31.7	N	0.64	0.51	116	\$37.86				
31-9-10.0 A	N	1.00	0.51	590	\$300.90				
31-9-10.0 B	N	0.30	0.00	240	\$0.00	0.00	0.00	0	\$0.00
31-9-11.1	N	0.29	0.00	160	\$0.00	0.00	0.00	0	\$0.00
31-9-11.4	N	0.46	0.00	30	\$0.00	0.00	0.00	0	\$0.00
31-9-12.0	N	1.50	0.51	209	\$159.89				
31-9-21.0 B	N	0.85	0.51	934	\$404.89				

31-9-21.0 C	N	0.37	0.00	400	\$0.00	0.00	0.00	0	\$0.00
31-9-23.0 A	N	0.60	0.51	218	\$66.71				
31-9-23.0 B	N	0.40	0.51	93	\$18.97				
31-9-23.2	N	0.15	0.51	103	\$7.88				
31-9-23.3	N	0.25	0.51	55	\$7.01				
31-9-27.0 A	A	1.34	0.51	1836	\$1254.72				
32-8-4.0 A	A	4.65	0.51	993	\$2354.90				
31-8-31.5	N	0.18	0.51	1	\$0.09				

(7.1) Subtotal \$5006.00

(7.2) Subtotal \$0.00

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

## 7. Purchaser Operational Maintenance

Cost allowances must be limited to work required under timber sale Exhibit D.  
If purchaser maint. such as dust control/damage repair is performed on BLM maint. roads, add appropriate mandatory Ex. D provisions, RC-2a and RC-2h stip. 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	0.59	\$197.65
Back Hoe:	1	1	\$335.00	0.59	\$197.65
Loader:			\$335.00	0.59	\$0.00
Water Truck:	1	1	\$206.00	0.59	\$121.54
Dump Truck 2/:	1	1	\$214.00	0.59	\$126.26

(7.3A) Total \$643.10

- 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
10		292.45		\$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:	10.00		459.60	1	\$4596.00
Blade Ditch:	10.00		153.20	1	\$1532.00

(7.3C) Total \$6128.00

- 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:	0 C.Y. x \$1.30/C.Y.	=	\$0.00
Haul from Stockpile:	0 C.Y. x \$2.18/C.Y. x 0.00 Mi	=	\$0.00
Process with Grader:	0 C.Y. x \$1.00/C.Y.	=	\$0.00

(7.3F) Total \$0.00

1/ Use unit cost from Road Construction Cost Guide.

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

(7.3G) Total

7.3H Other

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

(7.3H) Total \$0.00

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Summary of All Roads and Projects**

T.S. Update 04/15/10

T.S. Contract Name: Farout Sale Date: 09-15-2011

Prepared by: Brown Ph: Print Date: 7/27/2011 1:14:16 PM

Construction: 1,236.58 sta (Surfaced 269.28 sta Natural 967.30 sta)

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

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing: 0.0 sta     Grubbing: 0.0 acres	
Slash Treatment: 0.0 acres	
300 Excavation: .....	\$0.00
Haul: 0 sta-yds	
400 Drainage: .....	\$0.00
Culvert: 0 lf     wt = 0 lbs	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$57,250.79
Surfacing: .....	\$20,658.40
1200 Quarry Name: Bobby Cr Stockpile 602 cy	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$42,790.00
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: .....	\$2,750.00
Mobilization: Const. \$5,939.50 Surf. \$0.00.....	\$5,939.50
Quarry Development: .....	\$0.00

Total: 5,978 mbf @ \$21.64/mbf = \$129,388.69

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

Road Number: 11-2a Road Name: Existing 11-2a

Road Construction: 0.30 mi 14 ft Subgrade 0 ft ditch T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: \$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 11-2b** Road Name: Temp Route 11-2b

Road Construction: 0.36 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: \$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 11-2c** Road Name: Temp Route 11-2c

Road Construction: 0.08 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00
Total:	\$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 11-2d** Road Name: Temp Route 11-2d

Road Construction: 0.06 mi 14 ft Subgrade 0 ft ditch T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00
Total:	\$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 15-1a** Road Name: Existing Road Prism

Road Construction: 0.10 mi 15 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00
Total:	\$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 15-1b** Road Name: Temp Route 15-1b

Road Construction: 0.07 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: \$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

Road Number: 15-1c Road Name: Temp Route 15-1c

Road Construction: 0.17 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: \$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 21-1a** Road Name: Existing Road 21-1a

Road Construction: 0.27 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00
Total:	\$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

Road Number: 21-1b Road Name: Temp Route 21-1b

Road Construction: 0.16 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: \$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 21-1c** Road Name: Temp Route 21-1c

Road Construction: 0.25 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: \$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 29-1a** Road Name: Existing Prism 29-1a

Road Construction: 0.12 mi 16 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00
Total:	\$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

Road Number: 29-1b Road Name: Temp Route 29-1b

Road Construction: 0.20 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: \$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-5a** Road Name: Temp Route 31-5a

Road Construction: 0.13 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$0.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 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. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: \$0.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-8-29.0 A** Road Name: Dutchman Lo

Road Construction: 0.51 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$602.50
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$1,020.00
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: .....	\$1,750.00
Mobilization: Const. \$162.26 Surf. \$0.00.....	\$162.26
Quarry Development: .....	\$0.00

Total: \$3,534.76

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-8-29.2** Road Name: Dutchman Lo

Road Construction: 1.04 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$2,884.14
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$3,120.00
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. \$288.88 Surf. \$0.00.....	\$288.88
Quarry Development: .....	\$0.00

Total: \$6,293.02

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-8-31.1 A1** Road Name: Hayes Creek

Road Construction: 0.04 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$360.79
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 .....	\$80.00
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. \$21.21 Surf. \$0.00.....	\$21.21
Quarry Development: .....	\$0.00
Total:	\$462.00

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-8-31.1 A2** Road Name: Hayes Creek

Road Construction: 0.90 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$1,916.38
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$1,800.00
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. \$178.81 Surf. \$0.00.....	\$178.81
Quarry Development: .....	\$0.00

Total: \$3,895.19

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-8-31.2 A** Road Name: Hayes Creek Spur

Road Construction: 1.89 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$3,582.33
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$3,780.00
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. \$354.22 Surf. \$0.00.....	\$354.22
Quarry Development: .....	\$0.00

Total: \$7,716.55

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-8-31.5** Road Name: Hayes Creek B Spur

Road Construction: 0.18 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$553.03
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$540.00
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. \$52.59 Surf. \$0.00.....	\$52.59
Quarry Development: .....	\$0.00

Total: \$1,145.62

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-8-31.6** Road Name: Grant

Road Construction: 0.38 mi 14 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$1,373.81
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$1,140.00
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. \$120.95 Surf. \$0.00.....	\$120.95
Quarry Development: .....	\$0.00

Total: \$2,634.76

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

Road Number: 31-8-31.7 Road Name: Turp

Road Construction: 0.64 mi 14 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$1,820.37
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$1,920.00
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. \$179.96 Surf. \$0.00.....	\$179.96
Quarry Development: .....	\$0.00

Total: \$3,920.33

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-10.0 A** Road Name: Panther Ridge

Road Construction: 1.00 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$2,306.80
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$2,000.00
2200 Surface Treatment: 0.0 tons .....	\$0.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$207.21 Surf. \$0.00.....	\$207.21
Quarry Development: .....	\$0.00

Total: \$4,514.01

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-10.0 B** Road Name: Panther Ridge

Road Construction: 0.30 mi 16 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$649.46
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 .....	\$600.00
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. \$60.12 Surf. \$0.00.....	\$60.12
Quarry Development: .....	\$0.00

Total: \$1,309.58

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-11.0 C** Road Name: Upper Sixmile Ridge

Road Construction: 1.88 mi 17 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$5,299.76
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$3,760.00
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. \$435.89 Surf. \$0.00.....	\$435.89
Quarry Development: .....	\$0.00

Total: \$9,495.65

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-11.1** Road Name: Upper 12-mile

Road Construction: 0.29 mi 14 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$723.00
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$580.00
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: .....	\$500.00
Mobilization: Const. \$86.75 Surf. \$0.00.....	\$86.75
Quarry Development: .....	\$0.00

Total: \$1,889.75

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-11.4** Road Name: Sixmile Saddle Spur

Road Construction: 0.46 mi 17 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$971.59
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 .....	\$920.00
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. \$91.01 Surf. \$0.00.....	\$91.01
Quarry Development: .....	\$0.00

Total: \$1,982.60

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-12.0** Road Name: Elk Creek

Road Construction: 2.70 mi 16 ft Subgrade 3 ft ditch T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$11,965.68
Surfacing: .....	\$9,975.00
1200 Quarry Name: Bobby Cr Stockpile 300 cy	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$5,400.00
2200 Surface Treatment: 0.0 tons .....	\$0.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$1,315.44 Surf. \$0.00.....	\$1,315.44
Quarry Development: .....	\$0.00
Total:	\$28,656.12

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-21.0 B** Road Name: Gold Mountain Spur

Road Construction: 0.85 mi 14 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$1,916.38
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$1,700.00
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. \$173.99 Surf. \$0.00.....	\$173.99
Quarry Development: .....	\$0.00

Total: \$3,790.37

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-21.0 C** Road Name: Gold Mountain Spur

Road Construction: 0.37 mi 14 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$479.60
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$1,110.00
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: .....	\$500.00
Mobilization: Const. \$100.54 Surf. \$0.00.....	\$100.54
Quarry Development: .....	\$0.00

Total: \$2,190.14

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-23.0** Road Name: Panther Ridge ML

Road Construction: 1.06 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$3,419.24
Surfacing: .....	\$7,960.00
1200 Quarry Name: Bobby Cr Stockpile 200 cy	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 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. \$547.49 Surf. \$0.00.....	\$547.49
Quarry Development: .....	\$0.00

Total: \$11,926.73

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-23.2** Road Name: Panther Ridge P2 Sp

Road Construction: 0.27 mi 14 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$807.35
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 .....	\$540.00
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. \$64.82 Surf. \$0.00.....	\$64.82
Quarry Development: .....	\$0.00

Total: \$1,412.17

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-23.3** Road Name: Panther Ridge P3 Sp

Road Construction: 0.40 mi 14 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$1,191.36
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 .....	\$800.00
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. \$95.81 Surf. \$0.00.....	\$95.81
Quarry Development: .....	\$0.00

Total: \$2,087.17

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

**Road Number: 31-9-27.0 A** Road Name: Panther Creek Road

Road Construction: 1.34 mi 17 ft Subgrade 3 ft ditch T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$7,684.30
Surfacing: .....	\$2,723.40
1200 Quarry Name: Bobby Cr Stockpile 102 cy	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$2,680.00
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. \$629.69 Surf. \$0.00.....	\$629.69
Quarry Development: .....	\$0.00
Total:	\$13,717.39

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Farout Sale Date: 09-15-2011

Road Number: 32-8-4.0 A Road Name: Slotted Pen

Road Construction: 4.65 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$6,742.92
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 .....	\$9,300.00
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. \$771.87 Surf. \$0.00.....	\$771.87
Quarry Development: .....	\$0.00

Total: \$16,814.79

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Summary of Construction Quantities**

T.S. Contract Name: Farout    Sale Date: 09-15-2011

Road Number	Const	Improv	Renov	Decomm	Temp
11-2a	15.84				
11-2b	19.01				
11-2c	4.22				
11-2d	3.17				
15-1a	5.28				
15-1b	3.70				
15-1c	8.98				
21-1a	14.26				
21-1b	8.45				
21-1c	13.20				
29-1a	6.34				
29-1b	10.56				
31-5a	6.86				
31-8-29.0 A	26.93				
31-8-29.2	54.91				
31-8-31.1 A1	2.11				
31-8-31.1 A2	47.52				
31-8-31.2 A	99.79				
31-8-31.5	9.50				
31-8-31.6	20.06				
31-8-31.7	33.79				
31-9-10.0 A	52.80				
31-9-10.0 B	15.84				
31-9-11.0 C	99.26				
31-9-11.1	15.31				
31-9-11.4	24.29				
31-9-12.0	142.56				
31-9-21.0 B	44.88				
31-9-21.0 C	19.54				
31-9-23.0	55.97				
31-9-23.2	14.26				
31-9-23.3	21.12				
31-9-27.0 A	70.75				
32-8-4.0 A	245.52				

Total Sta:    1,236.58

200 Clearing and Grubbing	Clearing stations	Grubbing acres	Slash acres
Totals:	0.00	0.0	0.0

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

400 Drainage	Totals:	No Quantities
--------------	---------	---------------

500 Renovation	Miles	Slide cy
	_____	_____

## Continuation of Construction Quantities

Totals: 0.00 0

## Road Maintenance

31-8-29.0 A Tractor: D6 with winch . . . . . 5 hr

## Road Maintenance

31-8-29.2 Vib roller: Steel drum . . . . . 6 hr

31-8-29.2 Motor Grader 14G . . . . . 12 hr

31-8-29.2 Water truck 3000 gal . . . . . 6 hr

31-8-29.2 Backhoe 24 in . . . . . 6 hr

## Road Maintenance

31-8-31.1 A1 Backhoe 24 in . . . . . 1 hr

31-8-31.1 A1 Vib roller: Steel drum . . . . . 1 hr

31-8-31.1 A1 Motor Grader 14G . . . . . 1 hr

31-8-31.1 A1 Water truck 3000 gal . . . . . 1 hr

## Road Maintenance

31-8-31.1 A2 Backhoe 24 in . . . . . 4 hr

31-8-31.1 A2 Vib roller: Steel drum . . . . . 5 hr

31-8-31.1 A2 Motor Grader 14G . . . . . 5 hr

31-8-31.1 A2 Dump truck 10 cy . . . . . 3 hr

31-8-31.1 A2 Water truck 3000 gal . . . . . 4 hr

## Road Maintenance

31-8-31.2 A Backhoe 24 in . . . . . 8 hr

31-8-31.2 A Vib roller: Steel drum . . . . . 10 hr

31-8-31.2 A Motor Grader 14G . . . . . 10 hr

31-8-31.2 A Dump truck 10 cy . . . . . 5 hr

31-8-31.2 A Water truck 3000 gal . . . . . 6 hr

## Road Maintenance

31-8-31.5 Backhoe 24 in . . . . . 1 hr

31-8-31.5 Grid Roller . . . . . 1 hr

31-8-31.5 Motor Grader 14G . . . . . 1 hr

31-8-31.5 Dump truck 10 cy . . . . . 1 hr

31-8-31.5 Water truck 3000 gal . . . . . 1 hr

## Road Maintenance

31-8-31.6 Backhoe 24 in . . . . . 3 hr

31-8-31.6 Motor Grader 14G . . . . . 4 hr

31-8-31.6 Dump truck 10 cy . . . . . 2 hr

31-8-31.6 Vib roller: Steel drum . . . . . 3 hr

31-8-31.6 Water truck 3000 gal . . . . . 3 hr

## Road Maintenance

31-8-31.7 Backhoe 24 in . . . . . 4 hr

31-8-31.7 Motor Grader 14G . . . . . 5 hr

31-8-31.7 Dump truck 10 cy . . . . . 3 hr

31-8-31.7 Vib roller: Steel drum . . . . . 4 hr

31-8-31.7 Water truck 3000 gal . . . . . 4 hr

## Road Maintenance

31-9-10.0 A Backhoe 24 in . . . . . 4 hr

31-9-10.0 A Motor Grader 14G . . . . . 8 hr

31-9-10.0 A Water truck 3000 gal . . . . . 4 hr

31-9-10.0 A Vib roller: Steel drum . . . . . 8 hr

## Road Maintenance

31-9-10.0 B Backhoe 24 in . . . . . 2 hr

31-9-10.0 B Motor Grader 14G . . . . . 3 hr

31-9-10.0 B Water truck 3000 gal . . . . . 2 hr

## Road Maintenance

31-9-11.0 C Backhoe 24 in . . . . . 8 hr

31-9-11.0 C Vib roller: Steel drum . . . . . 16 hr

31-9-11.0 C Motor Grader 14G . . . . . 16 hr

31-9-11.0 C Dump truck 10 cy . . . . . 8 hr

31-9-11.0 C Water truck 3000 gal . . . . . 8 hr

## Road Maintenance

31-9-11.1 Tractor: D6 with winch . . . . . 6 hr

## Road Maintenance

31-9-11.4 Backhoe 24 in . . . . . 2 hr

31-9-11.4 Motor Grader 14G . . . . . 5 hr

## Continuation of Construction Quantities

31-9-11.4	Water truck 3000 gal . . . . .	3 hr
Road Maintenance		
31-9-12.0	Backhoe 24 in . . . . .	16 hr
31-9-12.0	Vib roller: Steel drum . . . . .	24 hr
31-9-12.0	Motor Grader 14G . . . . .	30 hr
31-9-12.0	Dump truck 10 cy . . . . .	36 hr
31-9-12.0	Water truck 3000 gal . . . . .	24 hr
Road Maintenance		
31-9-21.0 B	Backhoe 24 in . . . . .	4 hr
31-9-21.0 B	Vib roller: Steel drum . . . . .	5 hr
31-9-21.0 B	Motor Grader 14G . . . . .	5 hr
31-9-21.0 B	Dump truck 10 cy . . . . .	3 hr
31-9-21.0 B	Water truck 3000 gal . . . . .	4 hr
Road Maintenance		
31-9-21.0 C	Motor Grader 14G . . . . .	4 hr
Road Maintenance		
31-9-23.0	Backhoe 24 in . . . . .	6 hr
31-9-23.0	Vib roller: Steel drum . . . . .	8 hr
31-9-23.0	Motor Grader 14G . . . . .	12 hr
31-9-23.0	Dump truck 10 cy . . . . .	4 hr
31-9-23.0	Water truck 3000 gal . . . . .	6 hr
Road Maintenance		
31-9-23.2	Backhoe 24 in . . . . .	2 hr
31-9-23.2	Vib roller: Steel drum . . . . .	2 hr
31-9-23.2	Motor Grader 14G . . . . .	2 hr
31-9-23.2	Dump truck 10 cy . . . . .	1 hr
31-9-23.2	Water truck 3000 gal . . . . .	2 hr
Road Maintenance		
31-9-23.3	Backhoe 24 in . . . . .	2 hr
31-9-23.3	Vib roller: Steel drum . . . . .	3 hr
31-9-23.3	Motor Grader 14G . . . . .	3 hr
31-9-23.3	Dump truck 10 cy . . . . .	2 hr
31-9-23.3	Water truck 3000 gal . . . . .	3 hr
Road Maintenance		
31-9-27.0 A	Backhoe 24 in . . . . .	6 hr
31-9-27.0 A	Vib roller: Steel drum . . . . .	8 hr
31-9-27.0 A	Motor Grader 14G . . . . .	8 hr
31-9-27.0 A	Dump truck 10 cy . . . . .	4 hr
31-9-27.0 A	Water truck 3000 gal . . . . .	4 hr
Road Repair Due to Slide		
31-9-27.0 A	Backhoe 24 in . . . . .	16 hr
31-9-27.0 A	Vib roller: Steel drum . . . . .	8 hr
31-9-27.0 A	Motor Grader 14G . . . . .	12 hr
31-9-27.0 A	Dump truck 10 cy . . . . .	16 hr
31-9-27.0 A	Water truck 3000 gal . . . . .	4 hr
Road Maintenance		
32-8-4.0 A	Vib roller: Steel drum . . . . .	20 hr
32-8-4.0 A	Backhoe 24 in . . . . .	12 hr
32-8-4.0 A	Dump truck 10 cy . . . . .	8 hr
32-8-4.0 A	Water truck 3000 gal . . . . .	12 hr
32-8-4.0 A	Motor Grader 14G . . . . .	20 hr

## Surfacing (Cubic Yards)

Quarry Name: Bobby Cr Stockpile

1200 Crushed under 1 1/2	Roadway	Turnouts	Other	
31-9-27.0 A	62	0	40	102
31-9-23.0	100	0	100	200
31-9-12.0	100	0	200	300
Totals:	262	0	340	602

## Continuation of Construction Quantities

## 1300 Geotextiles

Totals: No Quantities

## 1400 Slope Protection

Totals: 0

## 1800 Soil stabilization - acres

Dry W/O  
MulchDry/with  
MulchHydro  
MulchTotals: 0.0 0.0 0.0

## 1900 Cattleguards

Totals: No Quantities

## 2100 RoadSide Brushing

acres

Totals: 0.0

## Roadside Brushing

31-8-29.0 A Cut and Scatter . . . . . 0.51 Mile

## Roadside Brushing

31-8-29.2 Brush and Chip . . . . . 1.04 Mile

## Roadside Brushing

31-8-31.1 A1 Cut and Scatter . . . . . 0.04 Mile

## Roadside Brushing

31-8-31.1 A2 Cut and Scatter . . . . . 0.90 Mile

## Roadside Brushing

31-8-31.2 A Cut and Scatter . . . . . 1.89 Mile

## Roadside Brushing

31-8-31.5 Cut and Chip . . . . . 0.18 Mile

## Roadside Brushing

31-8-31.6 Cut and Chip . . . . . 0.38 Mile

## Roadside Brushing

31-8-31.7 Cut and Chip . . . . . 0.64 Mile

## Roadside Brushing

31-9-10.0 A Cut and Scatter . . . . . 1.00 Mile

## Roadside Brushing

31-9-10.0 B Cut and Scatter . . . . . 0.30 Mile

## Roadside Brushing

31-9-11.0 C Cut and Scatter . . . . . 1.88 Mile

## Roadside Brushing

31-9-11.1 Cut and Scatter . . . . . 0.29 Mile

## Roadside Brushing

31-9-11.4 Cut and Scatter . . . . . 0.46 Mile

## Roadside Brushing

31-9-12.0 Cut and Scatter . . . . . 2.70 Mile

## Roadside Brushing

31-9-21.0 B Cut and Scatter . . . . . 0.85 Mile

## Roadside Brushing

31-9-21.0 C Cut and Chip . . . . . 0.37 Mile

## Roadside Brushing

31-9-23.2 Cut and Scatter . . . . . 0.27 Mile

## Roadside Brushing

31-9-23.3 Cut and Scatter . . . . . 0.40 Mile

## Roadside Brushing

31-9-27.0 A Brush and Scatter . . . . . 1.34 Mile

Continuation of Construction Quantities

Roadside Brushing

32-8-4.0 A Cut and Scatter . . . . . 4.65 Mile

2200 Surface Treatment                      tons              L.F.

Totals:      No Quantities

2300 Engineering                              stations

Totals:      0.00

2400 Minor Concrete

Totals:      No Quantities

2500 Gabions

Totals:      No Quantities

8000 Miscellaneous

Construct Road Barricade

31-8-29.0 A Construct Road Barricade . . . . . 1 Barricade

31-8-29.0 A Water Bar . . . . . 25 Water Bar

Construct Road Barricade

31-9-11.1 Construct Road Barricade . . . . . 1 Barricade

Construct Road Barricade

31-9-21.0 C Construct Road Barricade . . . . . 1 Barricade

Farout 6/13/11

Treatment	Description	Cost/Acre
Lop and Scatter L1	< 12 tons/acre	\$30.00
Lop and Scatter L2	13-20 tons/acre	\$40.00
Handpile and Cover – L1	0-40 piles/acre	\$330.00
Handpile and Cover – L2	41-60 piles/acre	\$485.00
Handpile and Cover – L3	61-80 piles/acre	\$590.00
Cover Landing Decks	< 40 landing piles/acre	\$35.00

Treatment/Level	Cost Per Acre	Number of Acres	Total Cost Per Treatment
Handpile and cover L1	\$330.00	60	\$19800.00
Lop and Scatter L1	\$30.00	675	\$20250.00
Cover Landing Decks	\$35.00	10	\$350.00
Total Appraised Cost			\$40400.00

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
MEDFORD DISTRICT  
FAROUT TIMBER SALE  
TRACT NO. QR110-TS11-09

EXHIBIT C 1  
SHEET 1 OF 1

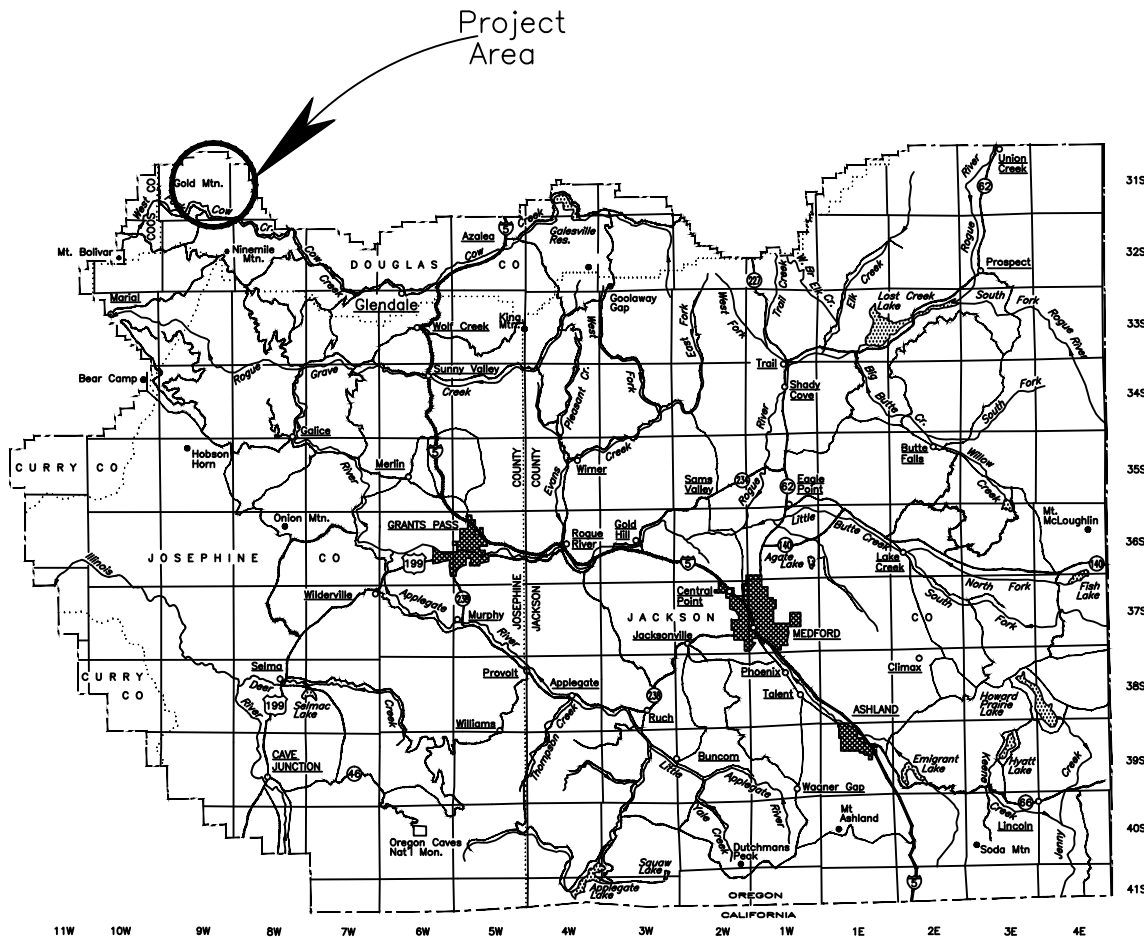
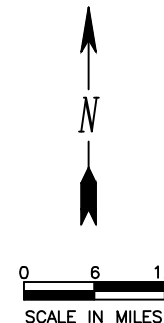


Exhibit No.	Description
C1	TITLE SHEET
C2	ROAD LOCATION MAP
C3	TEMP ROUTE MAP
C4	ESTIMATE OF QUANTITIES
C5	ROAD SPECIFICATION SHEET
C6	TYPICAL ROAD DATA SHEET
C7	DRAINAGE & EROSION CONTROL DETAILS
C8	ROAD CLOSURE
C9	ROADSIDE BRUSHING DETAIL
C10	ROADSIDE DAYLIGHTING DETAIL
C11	ROAD RENOVATION WORKLIST
C12	WRITTEN SPECIFICATIONS
C13	SPECIAL PROVISIONS
C14	ROADWAY CLEARING WORKLIST
C15	ROADWAY CLEARING MAPS
D1	ROAD MAINTENANCE SPECIFICATIONS
D2	ROAD MAINTENANCE MAP

ALWAYS  
**THINK**  
SAFETY

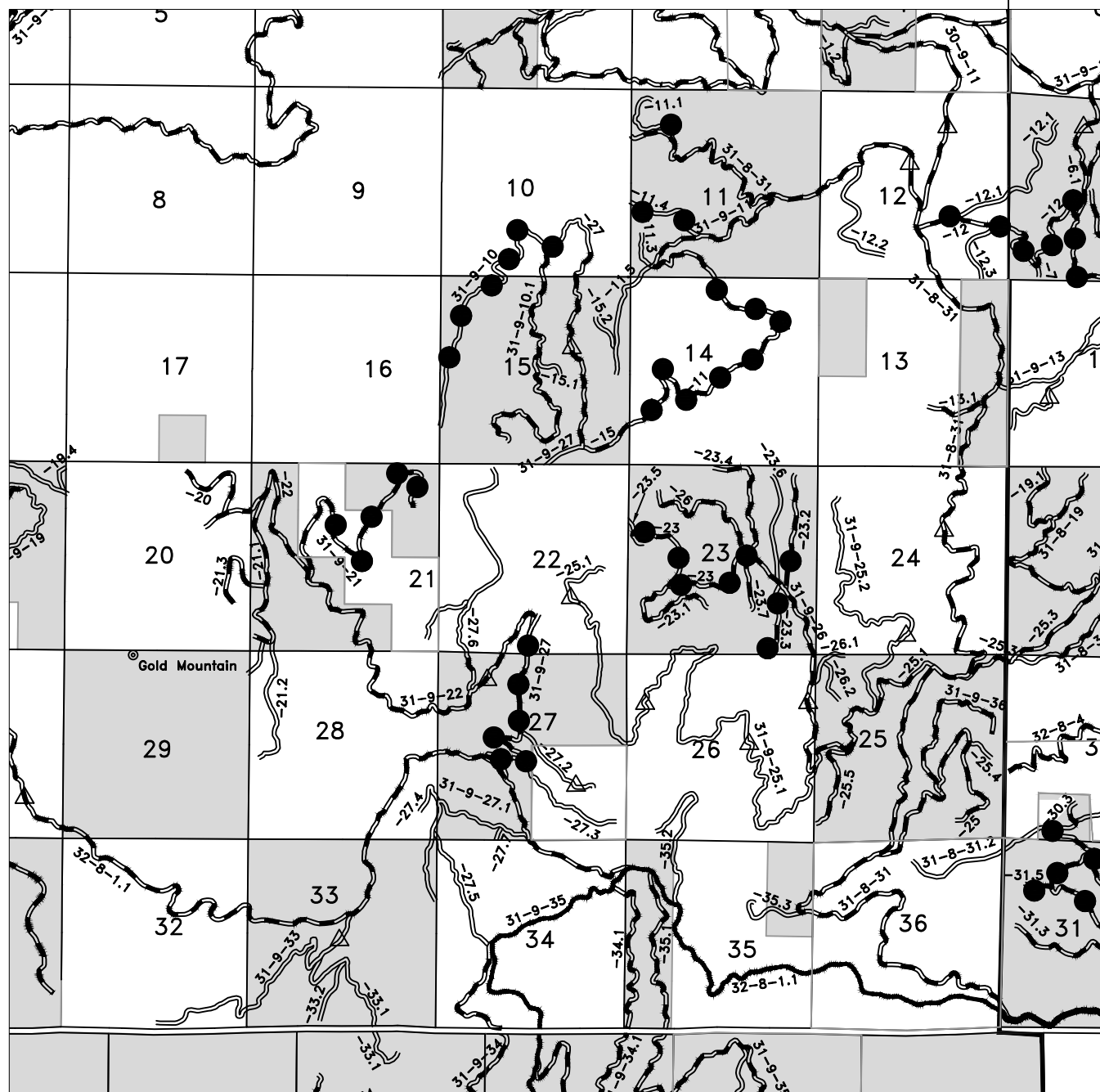


REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<b>TITLE SHEET</b>			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN: JAB	SCALE AS SHOWN		
DATE July 2011	SHEET 1 OF 1		
DRAWING NO. OR-11-9113.4-1			



R. 9 W

R. 8 W



## FAROUT TIMBER SALE

TRACK # 11-09

EXHIBIT C-2

SHEET 1 of 2

BST Road



Rocked Road



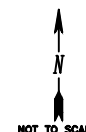
Natural Surface Road



Privately Controlled Road



BLM Ownership

Road To Be Renovated  
By Purchaser

NOT TO SCALE

ALWAYS  
THINK  
SAFETY

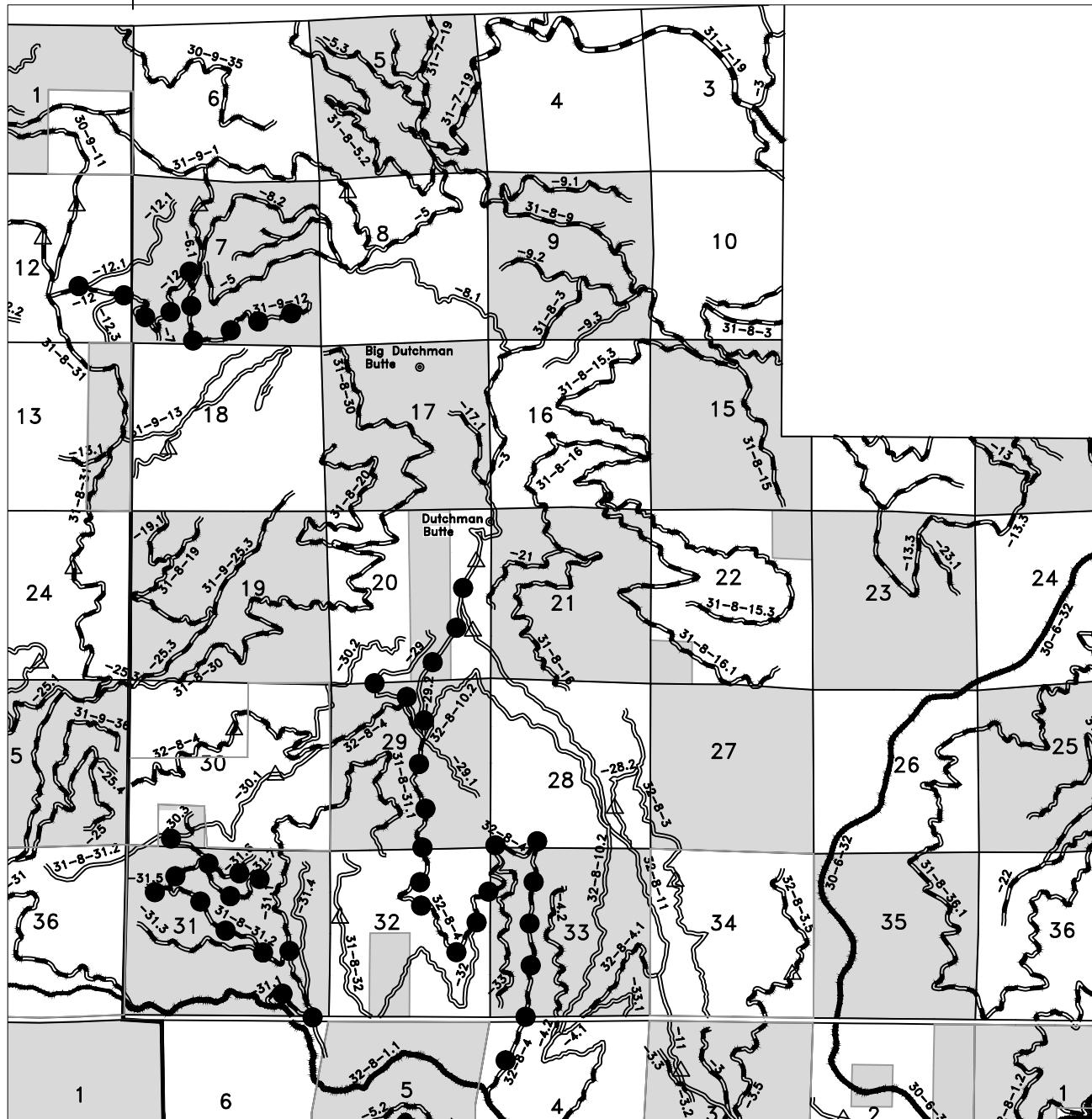
REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<b>ROAD LOCATION MAP</b>			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN:	JAB	SCALE	NONE
DATE: JULY 2011	SHEET 1 OF 2		
DRAWING NO.	OR-11-9113.4-1		

T.31S.







T.32S.

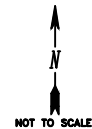
R. 9 W

R. 8 W



**FAROUT TIMBER SALE**  
 TRACK 11-09  
**EXHIBIT C-2**  
**SHEET 2 OF 2**

- BST Road 
- Rocked Road 
- Natural Surface Road 
- Privately Controlled Road 
- BLM Ownership 
- Road To Be Renovated By Purchaser 

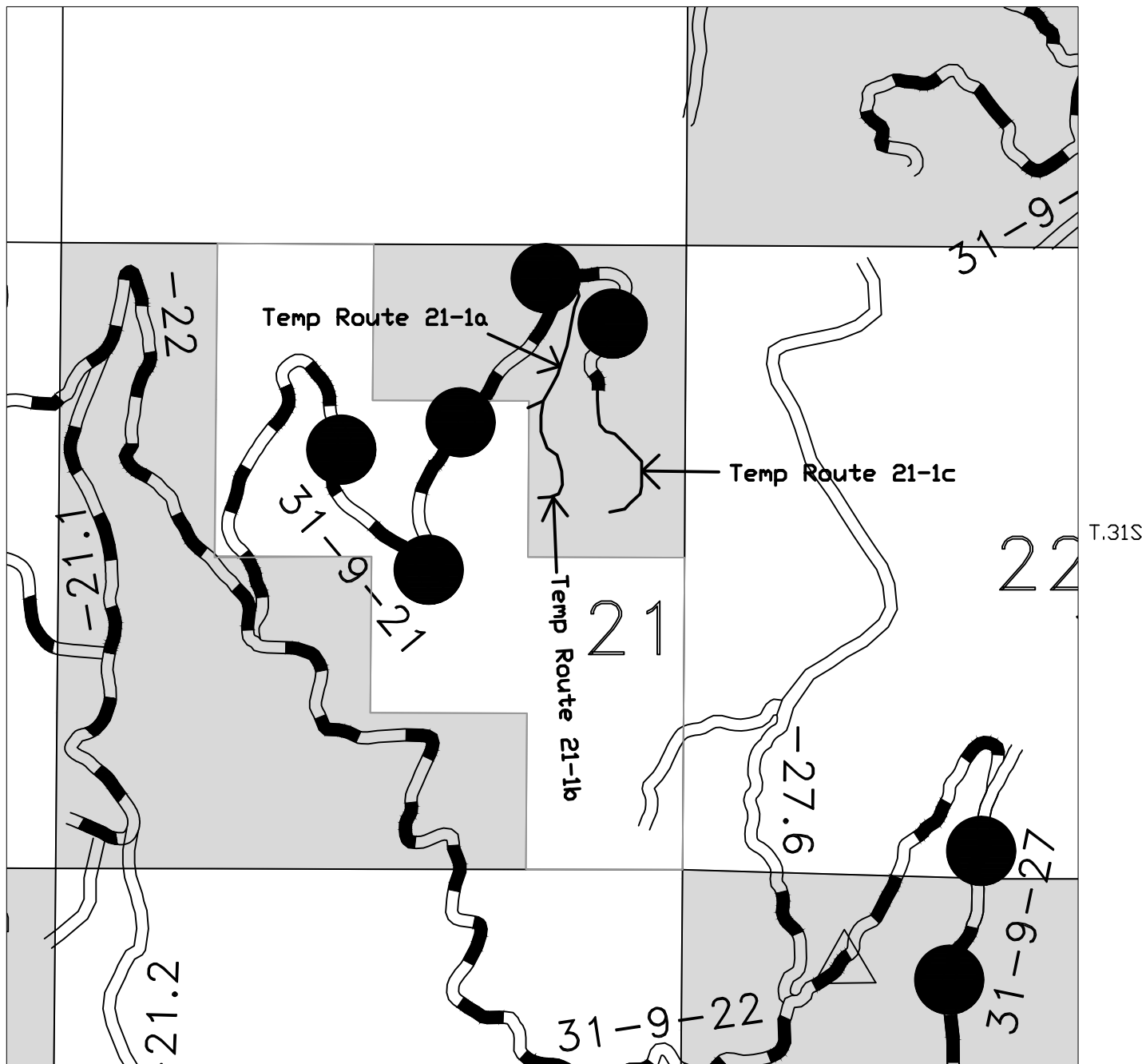


**ALWAYS  
 THINK  
 SAFETY**


REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<b>ROAD LOCATION MAP</b>			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN:	JAB	SCALE	AS SHOWN
DATE:	JULY 2011	SHEET	2 OF 2
DRAWING NO.	OR-11-9113.4-1		





R. 9 W





FAROUT TIMBER SALE  
TRACK 11-09  
EXHIBIT C-3  
SHEET 2 OF 3


**BST Road** 

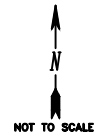
**Rocked Road** 

**Natural Surface Road** 

**Privately Controlled Road** 

**BLM Ownership** 

**Temp Routes to be Constructed By Purchaser** 

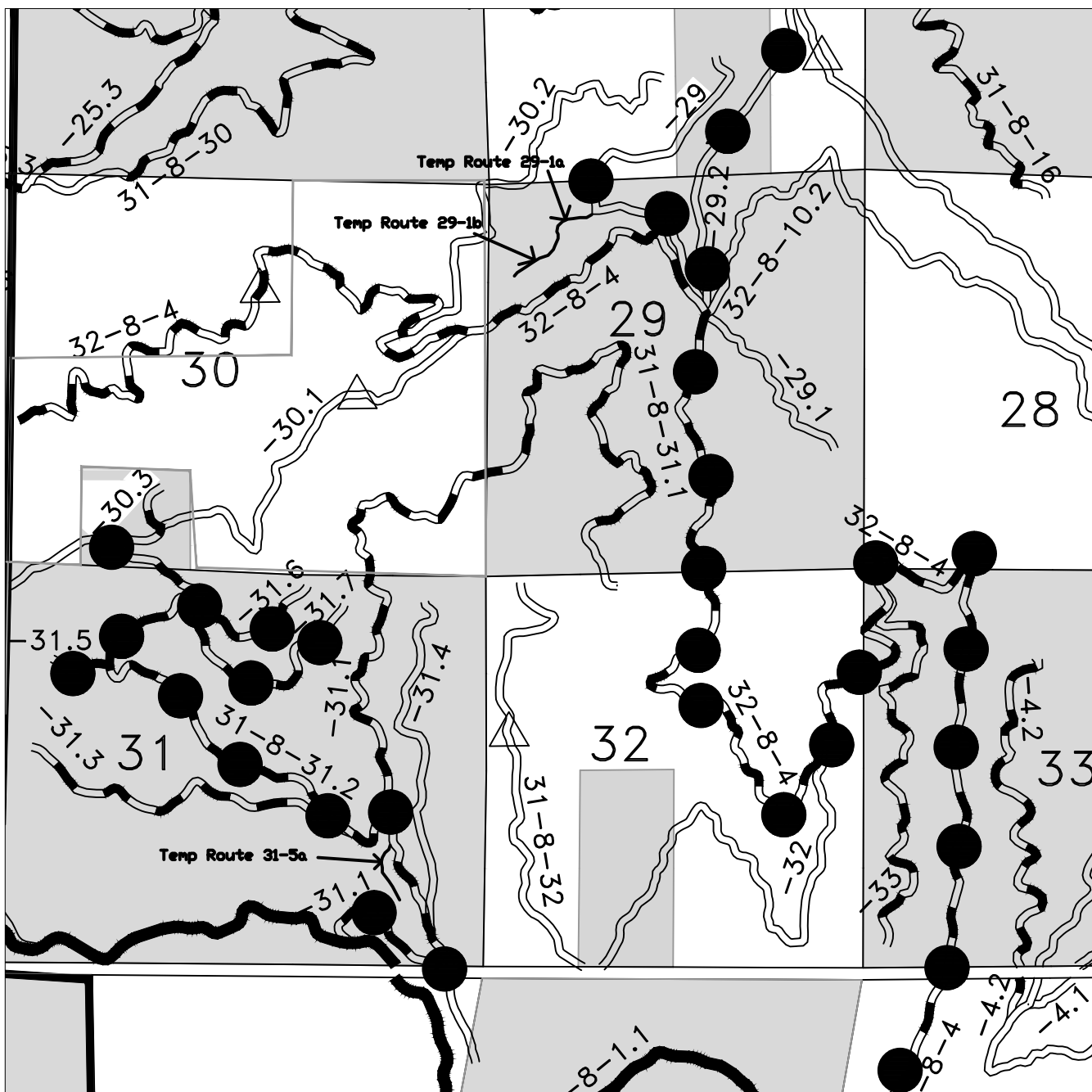


**NOT TO SCALE**

**ALWAYS  
THINK  
SAFETY**

REV.	NO.	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<i>TEMP ROUTE MAP</i>			
DESIGNED _____			
REVIEWED _____			
APPROVED _____			
DRAWN: JAB		SCALE AS SHOWN	
DATE: JULY 2011		SHEET 2 OF 3	
DRAWING NO.			

R. 8 W



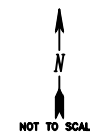
# FAROUT TIMBER SALE

TRACK 11-09

EXHIBIT C-3

SHEET 3 OF 3

- BST Road
- Rocked Road
- Natural Surface Road
- Privately Controlled Road
- BLM Ownership
- Temp Routes to be Constructed By Purchaser



ALWAYS  
THINK  
SAFETY

REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			

## TEMP ROUTE MAP

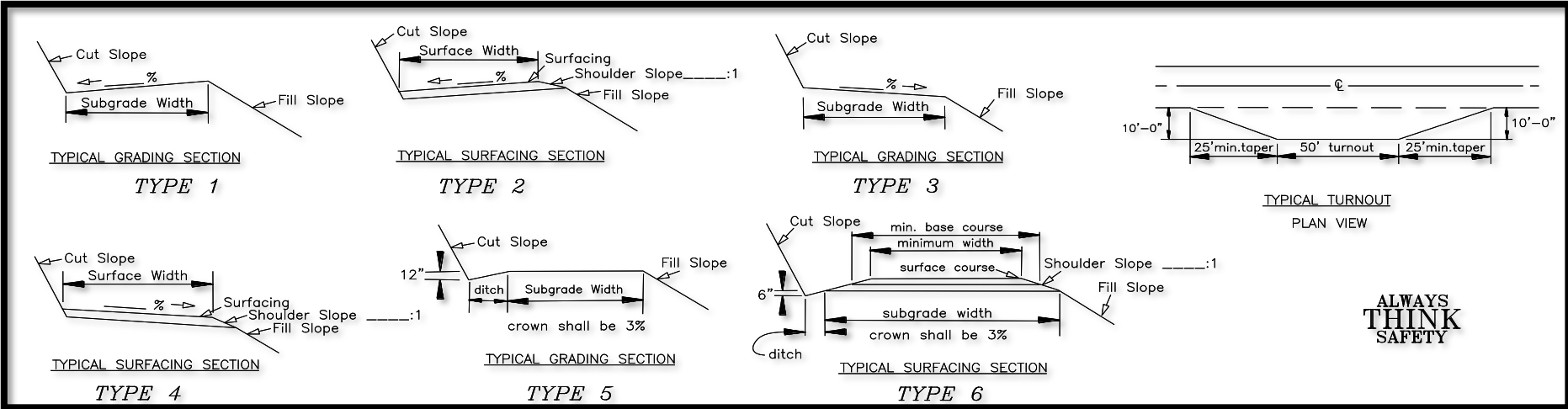
DESIGNED	
REVIEWED	
APPROVED	
DRAWN: JAB	SCALE AS SHOWN
DATE: JULY 2011	SHEET 3 OF 3
DRAWING NO.	





ROAD NUMBER	BEGIN MILE POST	END MILE POST	LENGTH	TYPICAL SECT. TYPE	ALIGNMENT	ROAD WIDTH <sup>1-3</sup>		GRADIENT		BRUSHING WIDTH				SURFACING <sup>3</sup>								EXHIBIT C-5	
										BEYOND		EXISTING RD		BASE COURSE				SURFACE COURSE				Farout T.S.	
					MAX DEGREE OF CURVE	SUBGRADE (ft)	DITCH (ft)	MAX FAVORABLE (%)	MAX ADVERSE (%)	TOP CUT	TOE FILL	L	R	MIN. WIDTH	COMP. DEPTH	TYPE <sup>2</sup>	GRADING	MIN. WIDTH	COMP. DEPTH (IN)	TYPE <sup>2</sup>	GRADING	REMARKS	<div>NOTES</div> <div>1. <u>EXTRA SUBGRADE WIDTHS</u> 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. <u>MATERIALS/CUT SLOPES</u> <u>FILL SLOPE</u> common 1/2 : 1 1 1/2 : 1 soft rock 1/2 : 1 1 1/2 : 1 &amp; shale solid rock 1/2 : 1 angle of repose 2. <u>SURFACING TYPES</u> A. Pit run rock B. Grid rolled rock material C. Screened rock material D. Crushed rock material E. Natural Surface 3. <u>TURNOUTS</u> 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. <u>SURFACING</u> Turnouts, curve widening and road approach aprons shall not be surfaced. 5. <u>CLEARING WIDTH</u> See subsection 2100</div>
30-6-32.0 D	0.00	0.30	0.30	6		24	3	0	0													BST Road	
31-8-29.0 A	0.00	0.51	0.51	3		14	0	3	0										0	E			
31-8-29.2	0.00	1.04	1.04	1/3		16	1/3	17	2										0	E			
31-8-30.3	0.00	0.30	0.30	6		17	3	17	0										8	D			
31-8-31.0 A	0.00	3.80	3.80	6		17	3	10	4										12	D			
31-8-31.0 B	3.80	4.16	0.36	6		17	3	10	8										12	D			
31-8-31.0 C	4.16	5.76	1.60	6		17	3	12	0										12	D			
31-8-31.0 D	5.76	7.06	1.30	6		17	3	8	8										12	D			
31-8-31.0 E	7.06	7.56	0.50	6		17	3	5	0										12	D			
31-8-31.0 F	7.56	8.56	1.00	6		15	3	12	0										12	D			
31-8-31.0 G	8.56	9.86	1.30	6		15	3	6	3										12	D			
31-8-31.1 A1	0.00	0.04	0.04	6		16	3	8	0										8	D			
31-8-31.1 A2	0.04	0.94	0.90	6		16	3	8	0										8	D			
31-8-31.2 A	0.00	1.89	1.89	6		16	3	12	0										8	D			
31-8-31.4	0.00	0.11	0.11	3		15	0	15	2										0	E			
31-8-31.5	0.00	0.18	0.18	6		15	3	10	0										8	D			
31-8-31.6	0.00	0.38	0.38	6		14	3	12	8										8	D			
31-8-31.7	0.00	0.64	0.64	6		14	3	8	4										8	D			
31-9-10.0 A	0.00	1.00	1.00	6		16	3	3	6										8	A			
31-9-10.0 B	1.00	1.30	0.30	3		16	0	3	6										0	E			
31-9-11.0 A	0.00	0.95	0.95	6		17	3	12	0										6	A			
31-9-11.0 B	0.95	1.33	0.38	6		17	3	13	8										6	A			
31-9-11.0 C	1.33	3.21	1.88	6		17	3												6	A			
31-9-11.1	0.00	0.29	0.29	5		14	3	3	0										0	E			

20.95



REV. NO.	DISCRIPTION	DATE	APPROV.
UNITED STATES OF DEPARTMENT OF THE INTERIOR			
BUREAU OF LAND MANAGEMENT			
MEDFORD DISTRICT - MEDFORD, OREGON			
ROAD SPECIFICATION SHEET			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN JAB		SCALE	
DATE JULY 2011		SHEET 1 Of 3	
DRAWING NO.			



ROAD NUMBER	BEGIN MILE POST	END MILE POST	LENGTH	TYPICAL SECT. TYPE	ALIGNMENT	ROAD WIDTH <sup>1-3</sup>		GRADIENT		BRUSHING WIDTH				SURFACING <sup>3</sup>								EXHIBIT C-5	
					MAX DEGREE OF CURVE	SUBGRADE (ft)	DITCH (ft)	MAX FAVORABLE (%)	MAX ADVERSE (%)	BEYOND		EXISTING RD		BASE COURSE				SURFACE COURSE				Farout T.S.	
										TOP CUT	TOE FILL	L	R	MIN. WIDTH	COMP. DEPTH	TYPE <sup>2</sup>	GRADING	MIN. WIDTH	COMP. DEPTH (IN)	TYPE <sup>2</sup>	GRADING	REMARKS	
31-9-11.4	0.00	0.46	0.46	5		17	3	10	5										0	E			
31-9-11.5	0.00	0.11	0.11	5		17	3	10	5										0	E			
31-9-12.0	0.00	2.70	2.70	6		16	3	15	0										8	D			
31-9-13.1	0.00	0.14	0.14	3		16	0	3	0										0	E			
31-9-15.0	0.00	0.32	0.32	6		17	3	0	12										8	A			
31-9-21.0 A	0.00	0.70	0.70	6		14	3	15	0										4	A			
31-9-21.0 B	0.70	1.55	0.85	6		14	3	14	0										6	A			
31-9-21.0 C	1.55	1.92	0.37	6		14	3	5	5										0	E			
31-9-22.0 A1	0.00	0.87	0.87	6		14	3	10	5										6	A			
31-9-22.0 A2	0.87	1.27	0.40	6		14	3	8	0										4	A			
31-9-22.0 B	1.27	1.63	0.36	4		14	0	8	3										4	A			
31-9-22.0 C	1.63	2.33	0.70	6		14	3	3	5										4	A			
31-9-23.0	0.00	1.06	1.06	6		16	3	12	0										6	A			
31-9-23.1	0.00	0.19	0.19	6		14	3	0	8										6	A			
31-9-23.2	0.00	0.27	0.27	6		14	3	4	6										8	A			
31-9-23.3	0.00	0.40	0.40	6		14	3	0	3										6	A			
31-9-25.1 A	0.00	1.14	1.14	6		16	3	13	0										6	A			
31-9-26.0 A	0.00	0.57	0.57	6		16	3	14	0										8	A			
31-9-26.0 B	0.57	1.38	0.81	6		16	3	15	0										6	B			
31-9-27.0 A	0.00	1.34	1.34	6		17	3	8	15										6	D			
31-9-27.0 B	1.34	1.49	0.15	6		17	3	10	0										6	D			
31-9-27.0 D	2.66	4.28	1.62	6		17	3	10	0										4	A			
31-9-27.6	0.00	0.25	0.25	6		16	3	8	0										6	A			
31-9-35.3	0.00	0.15	0.15	3		15	0	13	0										0	E			
15.93																							

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 SLOPES

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.

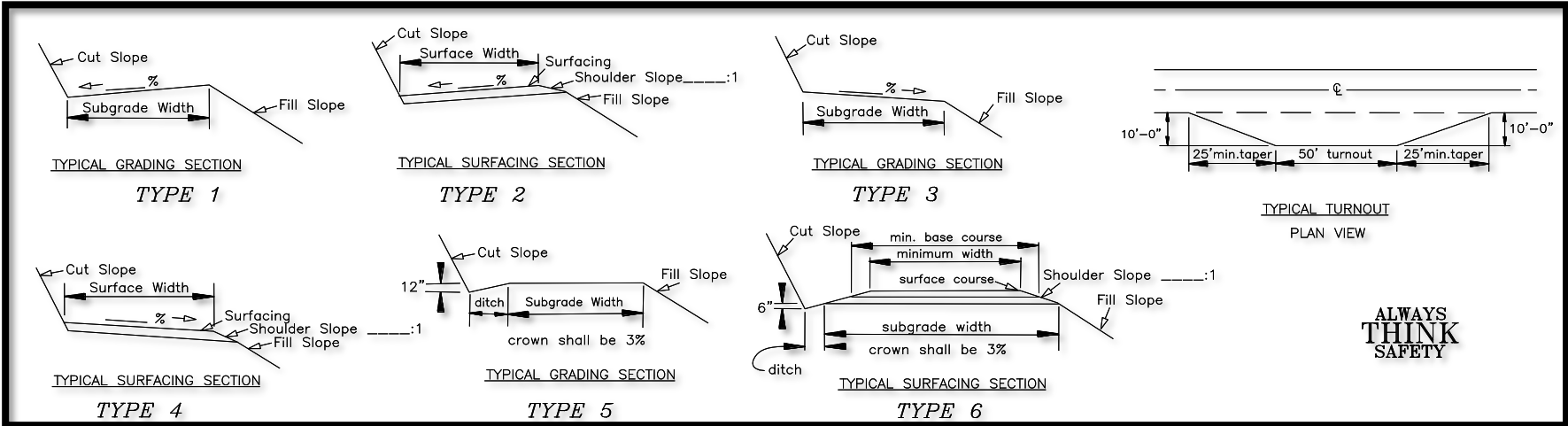
C. Invisible and not more than 750 ft. apart.

4. SURFACING

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

5. CLEARING WIDTH

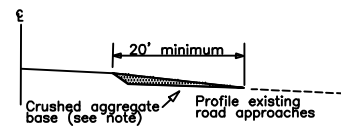
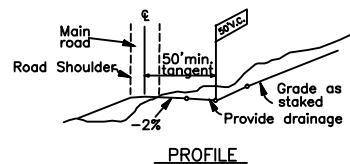
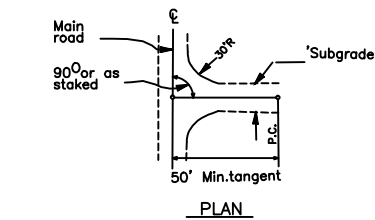
See subsection 2100



REV. NO.	DISCRIPTION	DATE	APPROV.
UNITED STATES OF DEPARTMENT OF THE INTERIOR			
BUREAU OF LAND MANAGEMENT			
MEDFORD DISTRICT - MEDFORD, OREGON			
ROAD SPECIFICATION SHEET			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN JAB		SCALE	
DATE JULY 2011		SHEET 2 Of 3	
DRAWING NO.			



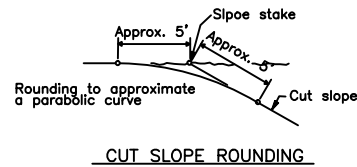
## TYPICAL ROAD APPROACHES



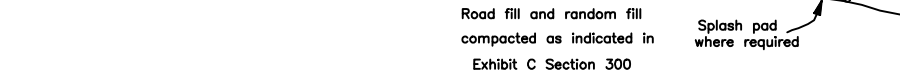
### TYPICAL SURFACING SECTION

NOTES:

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

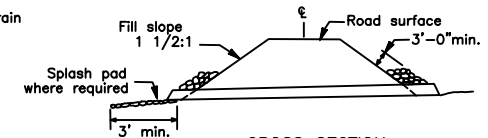


### CUT SLOPE ROUNDING

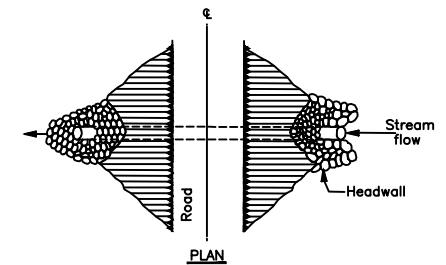


TYPICAL RANDOM FILL

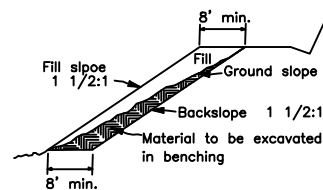
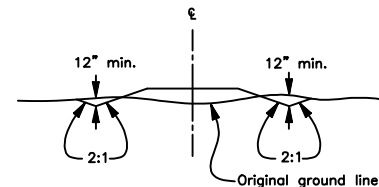
Road fill and random fill  
compacted as indicated in  
Exhibit C Section 300



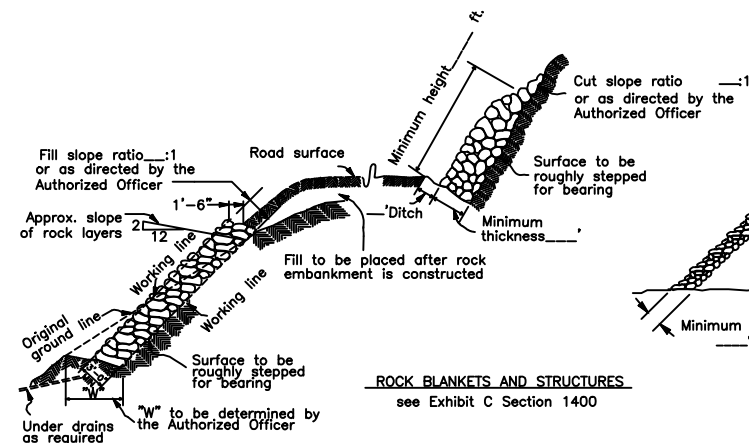
CROSS SECTION



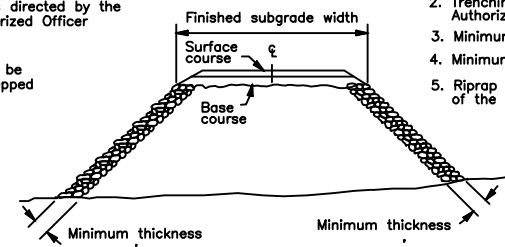
TYPICAL ROAD SECTION  
FOR TURNPIKE CONSTRUCTION



SPECIAL COMPACTION  
TYPICAL BENCHING SECTION



ROCK BLANKETS AND STRUCTURES  
see Exhibit C Section 1400



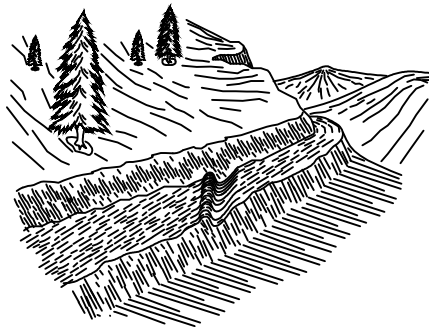
SLOPE PROTECTION ROCK  
see Exhibit C Section 1400

NOTES: RIPRAP AT CULVERTS

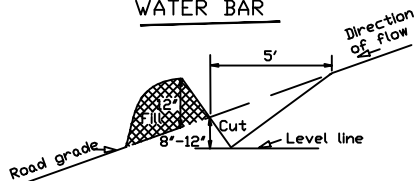
1. Riprap shall be placed in such a manner that it will not damage the culvert.
2. Trenching will be done as required by the Authorized Officer.
3. Minimum depth of splash pads shall be 1 ft.
4. Minimum quantity shall be 1 CY per CMP.
5. Riprap shall be placed before October first of the year the CMP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

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

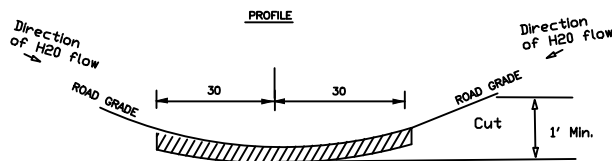


WATER BAR

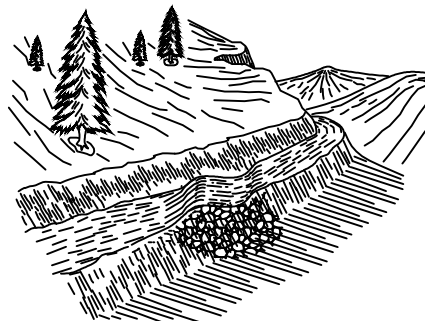


1. WATER BARS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER BARS SHALL BE SKEWED 30 DEGREES.
4. UPON COMPLETION OF SKIDDING LOGS, FOR THE LOGGING SEASON, EACH SKID ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN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

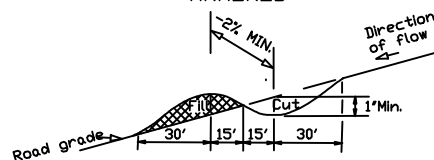
SAG DIP \*\*



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



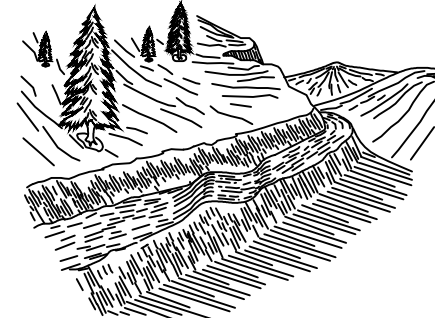
WATER DIP \*\*  
ARMORED



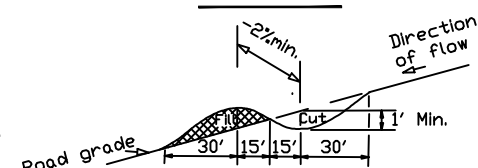
1. WATER DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE STAKED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER DIPS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES.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

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

## EXHIBIT C 7 SHEET 1 OF 1



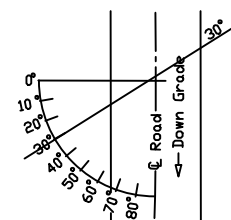
WATER DIP \*\*



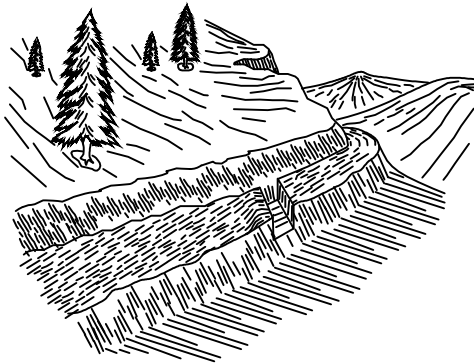
1. WATER DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER DIPS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE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

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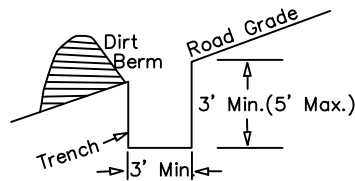
SKEW DIAGRAM



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



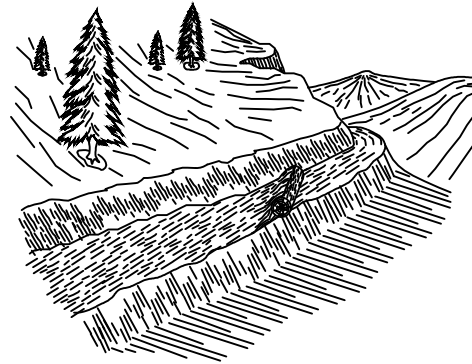
TRENCH BARRICADE



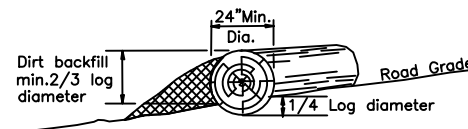
1. BARRICADE LENGTH SHALL EXTEND ACROSS THE ENTIRE ROAD SURFACE TO A POINT SUFFICIENT TO PROHIBIT MOTOR VEHICLE TRAFFIC.
2. THE EXACT LOCATION SHALL BE AS STAKED IN THE FIELD.
3. THE BARRICADE SHALL BE SKEWED AS NEEDED TO DRAIN OR AS DIRECTED BY THE AUTHORIZED OFFICERS REPRESENTATIVE.

TRENCH BARRICADE LOCATIONS:

RD # 31-8-29.0 A  
RD # 31-9-11.1  
RD # 31-9-21.0 C  
Temp Route 11-2a  
Temp Route 11-2b  
Temp Route 15-1a  
Temp Route 15-1c  
Temp Route 21-1a  
Temp Route 21-1b  
Temp Route 31-5a



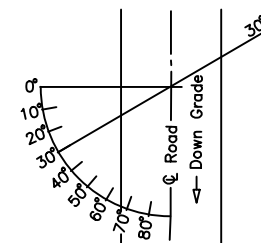
LOG BARRICADE



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

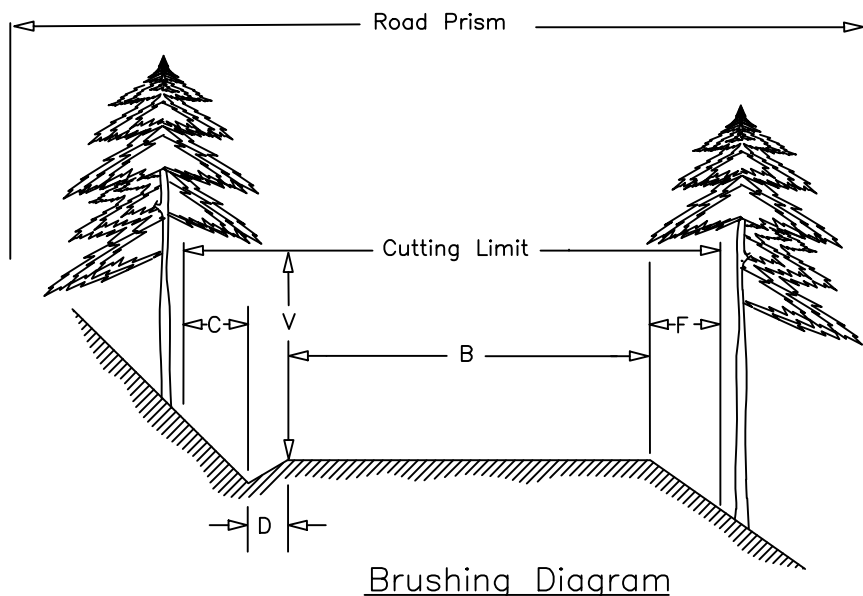
LOG BARRICADE LOCATIONS:

SKEW DIAGRAM



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SAFETY**

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



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

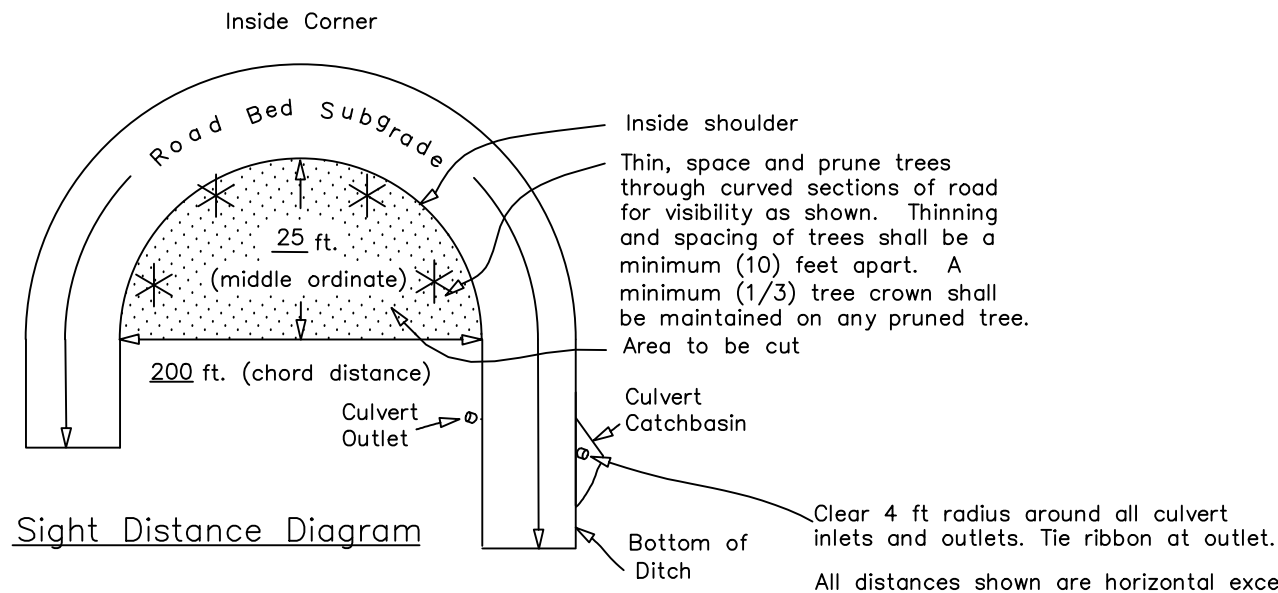
B = Road Bed Subgrade (includes turnouts)  
Cut all vegetation to max. height of 1".

C = 4 ft – Distance to be brushed on cut slope  
beyond centerline of ditch. Cut all vegetation to max height of 6".

D = Centerline of ditch to inside shoulder. Cut all vegetation to max.  
height of 1".

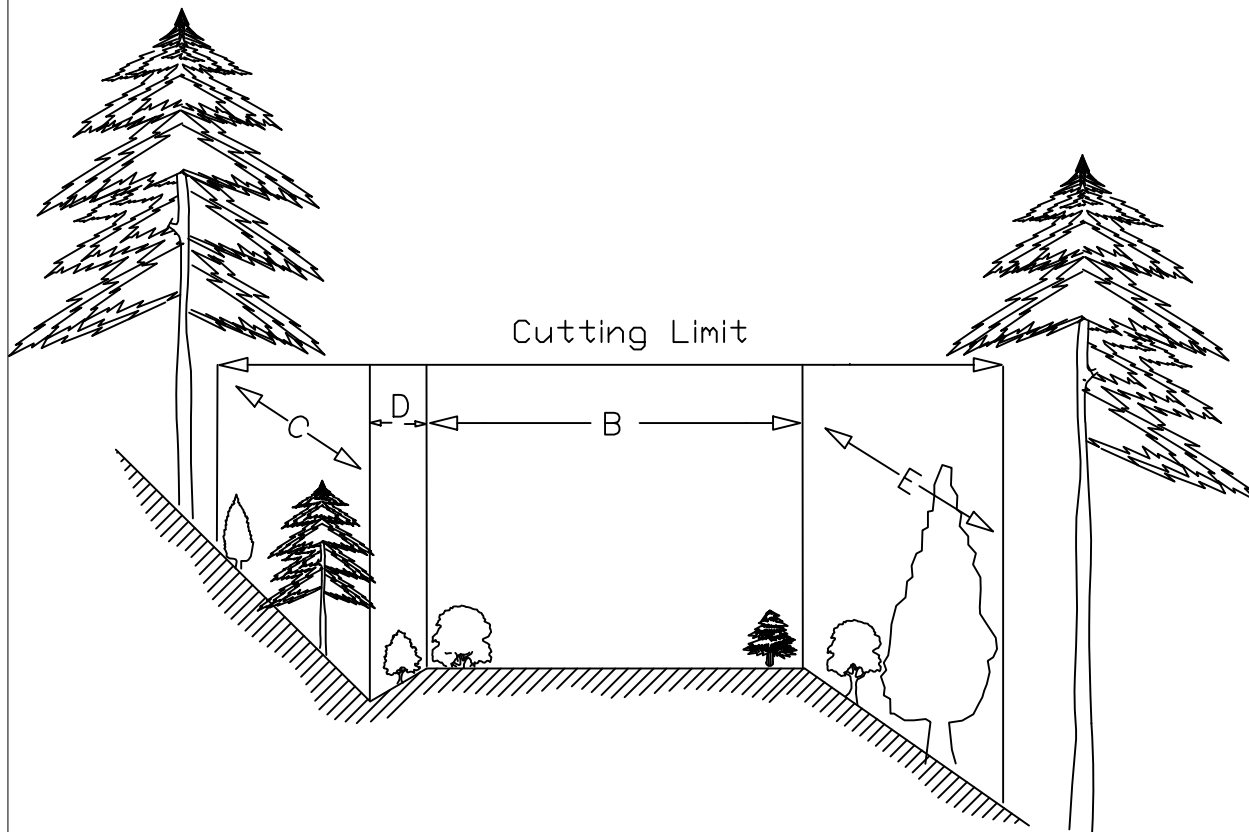
F = Distance to be brushed on fill slope beyond outside shoulder  
Cut all vegetation to max. height of 6".

V = 14 ft – Height of vertical cutting limit



All distances shown are horizontal except for V

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



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

B = Road bed subgrade (includes turnouts).

C = Distance of vegetation removal beyond centerline of ditch.  
C = variable slope distance (See timber specifications for exact distances by road number and mile posts).

D = Centerline of ditch to inside shoulder

E = Distance of vegetation removal down the fill slope.  
E = variable slope distance (See timber specifications for exact distances by road number and mile posts).

REV.	NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR				
BUREAU OF LAND MANAGEMENT				
MEDFORD DISTRICT - MEDFORD, OREGON				
ROADSIDE DAYLIGHTNG DETAIL				
Designed _____				
REVIEWED _____				
APPROVED _____				
DRAWN: JAB		SCALE: NONE		
DATE JULY 2011		SHEET 1 OF 1		
DRAWING NO.				

## **Farout Timber Sale Worklist**

### **31-8-29.0 A                      Dutchman Lo**

<b><u>MP</u></b>	<b><u>Tasks</u></b>
------------------	---------------------

- |      |  |
|------|--|
| 0.00 | Begin blading road. Begin roadside brushing. Brush all culvert inlets and outlets. Water bar road every 100' and replace barricade at beginning of road after use. |
| 0.51 | End road maintenance.  |

### **31-8-29.2                      Dutchman lo**

<b><u>MP</u></b>	<b><u>Tasks</u></b>
------------------	---------------------

- |      |  |
|------|--|
| 0.00 | Begin blading road. Ruts need to be scarified. Blading includes shaping, watering, and rolling with vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P. 0.00 and placed at beginning of barricaded road. Begin roadside brushing and chipping. Brush all culvert inlets and outlets. |
| 0.86 | Junction w/ private road right.  |
| 1.04 | End road maintenance.  |

### **31-8-31.1 A1-A2              Hayes Creek**

<b><u>MP</u></b>	<b><u>Tasks</u></b>
------------------	---------------------

- |      |   |
|------|---|
| 0.00 | Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean ditchline where needed. Begin roadside brushing. Brush all culvert inlets and outlets. |
| 0.83 | Junction w/ BLM Road #31-8-31.4 right.  |
| 0.89 | Junction w/ BLM Road #31-8-31.2 left.   |
| 0.94 | End road maintenance.   |

### **31-8-31.2 A                      Hayes Creek Spur**

<b><u>MP</u></b>	<b><u>Tasks</u></b>
------------------	---------------------

- |      |   |
|------|---|
| 0.00 | Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean ditchline where needed. Begin roadside brushing. Brush all culvert inlets and outlets. |
| 0.17 | Junction w/ BLM Road #31-8-31.3 left.   |
| 1.01 | Junction w/ BLM Road #31-8-31.5 left.   |



- 1.36 Junction w/ BLM Road #31-8-31.7 right.
- 1.37 Junction w/ BLM Road #31-8-31.6 right.
- 1.80 Junction w/ BLM Road #31-8-30.3 right.
- 1.89 End road maintenance.

### **31-8-31.5 Hayes Creek B Spur**

#### **MP    Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P.
- 0.00. Begin roadside brushing and chipping. Brush all culvert inlets and outlets.
- 0.18 End road maintenance.

### **31-8-31.6 Grant**

#### **MP    Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P.
- 0.00. Begin roadside brushing and chipping. Brush all culvert inlets and outlets.
- 0.38 End road maintenance.

### **31-8-31.7 Turp**

#### **MP    Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P.
- 0.00. Begin roadside brushing and chipping. Brush all culvert inlets and outlets.
- 0.64 End road maintenance.

### **31-9-10.0 A-B Panther Ridge**

#### **MP    Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P.
- 1.05. Begin roadside brushing. Brush all culvert inlets and outlets.
- 1.05 End rolling road with vibratory roller. Waste disposal site.
- 1.30 End road maintenance.

**31-9-11.0 C                      Upper Sixmile Ridge**

**MP      Tasks**

- 1.33    Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P. 0.60 at the Junction of BLM Road #31-9-11.4. Begin roadside brushing. Brush all culvert inlets and outlets.
- 2.07    Junction w/ private road left.
- 2.22    Junction w/ private road left.
- 3.21    End road maintenance.

**31-9-11.1                      Upper 12-mile**

**MP      Tasks**

- 0.00    Begin blading road. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P. 0.10. Begin roadside brushing. Brush all culvert inlets and outlets. Replace barricade at beginning of road after use.
- 0.10    Waste disposal site.
- 0.29    End road maintenance.

**31-9-11.4                      Sixmile Saddle Spur**

**MP      Tasks**

- 0.00    Begin blading road. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P. 0.00. Begin roadside brushing. Brush all culvert inlets and outlets.
- 0.46    End road maintenance.

**31-9-12.0                      Elk Creek**

**MP      Tasks**

- 0.00    Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P. 0.92 or M.P. 1.92. Begin roadside brushing. Brush all culvert inlets and outlets.
- 0.23    Junction w/ BLM Road #31-9-12.1 left.
- 0.38    Junction w/ private road right.
- 0.40    Begin scarifying road to eliminate ruts. Recoup surfacing rock to be used after scarifying and reshaping road. Continue watering and rolling with vibratory roller. Begin spot

rocking with 300 cubic yards of government furnished rock from stockpile site located at M.P. 0.10 on BLM Road #32-8-9.2.

- 0.90 End scarifying road. Continue shaping, watering, and rolling road.
- 0.92 Junction w/ BLM Road #31-8-7.0 right. Waste disposal site.
- 1.56 Junction w/ BLM Road #31-8-8.2 left.
- 2.70 End road maintenance.

### **31-9-21.0 B-C                      Gold Mountain Spur**

#### **MP      Tasks**

- 0.70 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P. 1.65. Begin roadside brushing. Brush all culvert inlets and outlets. Replace barricades at M.P. 1.70 of road after use.
- 1.65 Waste disposal site.
- 1.70 Replace barricades after use. End rolling road with vibratory roller.
- 1.92 End road maintenance.

### **31-9-23.0                      Panther Ridge Mainline**

#### **MP      Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P. 1.00. Begin roadside brushing. Brush all culvert inlets and outlets.
- 0.01 Begin scarifying road to eliminate ruts. Continue watering and rolling with vibratory roller. Begin spot rocking with 200 cubic yards of government furnished rock from stockpile site located at M.P. 0.10 on BLM Road #32-8-9.2.
- 0.25 End scarifying road. Continue shaping, watering, and rolling road.
- 0.60 Junction w/ BLM Road #31-9-23.1 left.
- 1.00 Waste disposal site.
- 1.06 End road maintenance.

### **31-9-23.2                      Panther Ridge P2 Spur**

#### **MP      Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of

- ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P.  
 0.00. Begin roadside brushing. Brush all culvert inlets and outlets.  
 0.27 End road maintenance.

### **31-9-23.3 Panther Ridge P3 Spur**

#### **MP    Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P.  
 0.00. Begin roadside brushing. Brush all culvert inlets and outlets.  
 0.40 End road maintenance.

### **31-9-27.0 A Panther Creek Road**

#### **MP    Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean entire ditchline. Any waste material will be hauled to M.P.  
 0.42. Begin roadside brushing. Brush all culvert inlets and outlets.  
 0.42 Waste disposal site.  
 0.90 Junction w/ BLM Road #31-9-27.2 right.  
 1.15 Re-align road 4-5' to the cut slope side of the road for 100'. Keep same angle for cut slope. Take excess material to M.P. 0.42 waste disposal site. Begin spot rocking with 100 cubic yards of government furnished rock from stockpile site located at M.P. 0.10 on BLM Road #32-8-9.2. Remove small slides from M.P. 1.18 to M.P. 1.25 and haul to M.P. 0.42.  
 1.34 Junction w/ BLM Road #31-9-22.0 left. End road maintenance.

### **32-8-4.0 A Slotted Pen**

#### **MP    Tasks**

- 0.00 Begin blading road. Blading includes shaping, watering, and rolling with a vibratory roller. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Clean ditchline where needed. Any waste material will be hauled to M.P. 3.50. Begin roadside brushing. Brush all culvert inlets and outlets.  
 2.07 Junction w/ BLM Road #31-8-33.0 left.  
 2.65 Junction w/ BLM Road #31-8-32.0 left.  
 3.50 Junction w/ private road right. Waste disposal site.  
 4.65 Junction w/ BLM Road # 31-8-29.0, 31-8-29.1, 31-8-29.2, and 32-8-10.2 right. End road maintenance.

**Temp Route 11-2a**

**MP      Tasks**

- 0.00    Begin blading existing temp route. Water bar every 150' and barricade after use.  
0.30    End blading existing temp route.

**Temp Route 11-2b**

**MP      Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', barricade, seed, and mulch after use.  
0.13    Begin crossing Roseburg Resources property. Cut and deck logs from Rose burg Resources property.  
0.17    End crossing Roseburg Resources property. Begin crossing Plum Creek property.  
0.19    End crossing Plum Creek Timber Lands LP property.  
0.21    Begin crossing Plum Creek Timber Lands LP property.  
0.24    End crossing Plum Creek Timber Lands LP property.  
0.36    End temp route construction.

**Temp Route 11-2c**

**MP      Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', seed, and mulch after use.  
0.01    Begin crossing Plum Creek Timber Lands LP property.  
0.05    End crossing Plum Creek Timber Lands LP property.  
0.08    End temp route construction.

**Temp Route 11-2d**

**MP      Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', seed, and mulch after use.  
0.06    End temp route construction.

**Temp Route 15-1a**

**MP      Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', barricade, seed, and mulch after use.  
0.10    End temp route construction.

**Temp Route 15-1b**

**MP    Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', seed, and mulch after use.  
0.07    End temp route construction.

**Temp Route 15-1c****MP    Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', barricade, seed, and mulch after use.  
0.17    End temp route construction.

**Temp Route 21-1a****MP    Tasks**

- 0.00    Begin blading temp route. Construct two barricades after use.  
0.27    End blading existing temp route.

**Temp Route 21-1b****MP    Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', barricade, seed, and mulch after use.  
0.16    End temp route construction.

**Temp Route 21-1c****MP    Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', seed, and mulch after use.  
0.25    End temp route construction.

**Temp Route 29-1a****MP    Tasks**

- 0.00    Begin constructing temp route. Rip, water bar every 100', seed, and mulch after use.  
0.12    End temp route construction.

**Temp Route 29-1b****MP    Tasks**

- 0.00 Begin constructing temp route. Rip, water bar every 100', seed, and mulch after use.
- 0.20 End temp route construction.

**Temp Route 31-5a**

**MP      Tasks**

- 0.00 Begin constructing temp route. Rip, water bar every 100', barricade, seed, and mulch after use.
- 0.13 End temp route construction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ROAD SPECIFICATIONS

INDEX

100	GENERAL
200	CLEARING AND GRUBBING
500	RENOVATION OF EXISTING ROADS
600	WATERING
1200	AGGREGATE SURFACE COURSE (CRUSHED ROCK)
1800	SOIL STABILIZATION
2100	ROADSIDE BRUSHING



GENERAL - 100

\*101 - Prewrite Conference(s):

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

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

\*102 - Definitions:

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

ACI - American Concrete Institute

ASTM - American Society for Testing and Materials.

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

BLM - Bureau of Land Management

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

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

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

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

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

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

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

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

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

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

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

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

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

Road Centerline - Longitudinal center of roadbed.

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

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

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

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

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

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

Spalls - Flakes or chips of stone.

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

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

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

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

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

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

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

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

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

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

102a - Tests Used in These Specifications:

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

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

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

AASHTO T 90      Plastic limits and plasticity index of soil.  
a. Plastic limit - lowest water content at which the soil remains plastic.  
b. Plasticity index - range of water content, within which the material is in a plastic state. Numerical difference between the liquid and plastic limits of the soil.

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

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

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

- AASHTO T 180 (OSHD 106-71) moisture density relationship of soil same as AASHTO T 99 proctor but uses a 10-lb rammer & 18-in drop.
- AASHTO T 191 Sand Cone. Density of soil in place: For subgrade use 6-inch or 12-inch cone. For rock surfacing for 1-1/2-inch minus to 3-inch minus use 12-inch cone.
- AASHTO T 205 Rubber balloon. Density of soil in place. Use for compacted or firmly bonded soil.
- AASHTO T 210 Durability of aggregates based on resistance to produce fines.
- AASHTO T 224 Correction for coarse particles in the soil.
- AASHTO T 238 Determination of density of soil and soil aggregates in place by nuclear methods.
- AASHTO T 248 Reducing field samples of aggregate to testing size by mechanical splitter, quartering, or miniature stockpile sampling.
- DES. E-12 Determination of relative density of cohesionless soils.
- DMSO (dimethyl sulfide) - Determines volume of expanding clays in aggregates. Usually associated with marine basalts.
- \*103 - Compaction equipment shall meet the following requirements:
- \*103f - Vibratory roller. The drum diameter shall be not less than 48 inches, the drum width not less than 58 inches, and have a turning radius of 15 feet or less. Vibration frequency shall be regulated in steps to 1400, 1500, and 1600 vibrations per minute (VPM), corresponding to engine speeds of 1575, 1690, and 1800 RPM. The centrifugal force developed shall be 7 tons at 1600 RPM. It shall be activated by a power unit of not less than 25 horsepower. The vibratory roller shall be self-propelled or drawn by a vehicle of sufficient horsepower to enable the unit to travel through a loose layer of material at a speed ranging from 0.9 mile to 1.8 miles per hour, as directed by the Authorized Officer.
- The towing vehicle and roller or self-propelled unit meeting the above requirements shall be considered a vibratory roller unit.
- \*103g - Vibratory compactor. Vibratory compactors shall consist of multiple or gang-type compacting units or pads with a minimum variable width of 2 feet. It shall be self-contained and capable of compacting material as required.
- \*103h - Other. Compaction equipment approved by the Authorized Officer.

#### CLEARING AND GRUBBING - 200

- \*201 - This work shall consist of clearing, grubbing, removing and disposing of vegetation, debris, surface objects, and protruding obstructions within the clearing limits in accordance with these

specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans, and as staked on the ground.

- 202 - Where clearing limits have not been staked, established by these specifications or shown on the plans, the limits shall extend (5) feet back of the top of the cut slope and (5) feet out from the toe of the fill slope.
- \*203 - Clearing shall consist of the removal and disposal of trees, logs, rotten material, brush, and other vegetative materials and surface objects in accordance with these specifications and within the limits established for clearing as specified under Subsection 202 and as shown on the plans and as staked on the ground.
- 203a - Brush under (2) feet in height need not be cut within the limits established for clearing.
- 203b - Standing trees and snags to be cleared shall be felled within the limits established for clearing, unless otherwise authorized.
- 203c - Disposal of logs from private timber cleared within the limits established, as staked on the ground shall consist of decking at a location designated by the Authorized Officer.
- 204 - Grubbing shall consist of the removal and disposal of stumps, roots, and other wood material embedded in the ground, and protruding obstacles remaining as a result of the clearing operation between the top of the cut slope and the toe of the fill slope.
- \*205 - Clearing and grubbing debris shall not be placed or permitted to remain in or under road embankment sections.
- 210a - Disposal of clearing and grubbing debris on nongovernment property by piling this material outside of clearing limits will be permitted provided the Purchaser obtains a written permit from the property owner on whose property the disposal is to be made. The Purchaser shall furnish the Authorized Officer a certified copy of the permit, and a written release from the property owner absolving the Government from responsibilities in connection with the disposal of debris on said property.
- 211 - Disposal of clearing and grubbing debris shall be by piling on government lands outside of established clearing limits in an area and in a manner acceptable to the Authorized Officer.
- 212 - No grading will be permitted prior to completion and approval by the Authorized Officer of the required clearing and grubbing work, except that stump grubbing may proceed with the excavation of the road prism.
- 213 - No clearing or grubbing debris shall be left lodged against standing trees.

#### RENOVATION OF EXISTING ROADS - 500

- \*501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, cleaning and shaping drainage ditches, trimming vegetation from cut and embankment slopes, and cleaning and repairing drainage structures of existing roads in accordance with these specifications, as shown on the plans, and as marked on the ground with stakes.

- 501a - This work shall include the removal and disposal of slides in accordance with these specifications and as marked on the ground with stakes.
- 502 - The existing road surface shall be bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans, and as marked on the ground with stakes at the following location(s):

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>	<u>Total Miles</u>	<u>Type of Work</u>
31-8-29.0 A	0.00	0.51	0.51	Blade
31-8-29.2	0.00	1.04	1.04	Blade, Water, Roll
31-8-31.1 A1	0.00	0.04	0.04	Blade, Water, Roll
31-8-31.1 A2	0.04	0.94	0.90	Blade, Water, Roll
31-8-31.2 A	0.00	1.89	1.89	Blade, Water, Roll
31-8-31.5	0.00	0.18	0.18	Blade, Water, Roll
31-8-31.6	0.00	0.38	0.38	Blade, Water, Roll
31-8-31.7	0.00	0.64	0.64	Blade, Water, Roll
31-9-10.0 A	0.00	1.00	1.00	Blade, Water, Roll
31-9-10.0 B	1.00	1.30	0.30	Blade
31-9-11.0 C	1.33	3.21	1.88	Blade, Water, Roll
31-9-11.1	0.00	0.29	0.29	Blade
31-9-11.4	0.00	0.46	0.46	Blade
31-9-12.0	0.00	2.70	2.70	Blade, Water, Roll
31-9-21.0 B	0.70	1.55	0.85	Blade, Water, Roll
31-9-21.0 C	1.55	1.92	0.37	Blade
31-9-23.0	0.00	1.06	1.06	Blade, Water, Roll
31-9-23.2	0.00	0.27	0.27	Blade, Water, Roll
31-9-23.3	0.00	0.40	0.40	Blade, Water, Roll
31-9-27.0 A	0.00	1.34	1.34	Blade, Water, Roll
32-8-4.0 A	0.00	4.65	4.65	Blade, Water, Roll
Temp Route 11-2a	0.00	0.30	0.30	Blade
Temp Route 21-1a	0.00	0.27	0.27	Blade

- 502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.

- 503a - Debris from slides at the following locations:

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>
31-9-27.0 A	1.18	1.25

shall be hauled to the following location:

<u>Road No.</u>	<u>M.P.</u>
31-9-27.0 A	0.42

- 504 - Existing road surface shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width with equipment conforming to requirements of Subsections 103f, 103g, and 103h and in accordance with the following table:

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>	<u>Subsection 504</u>
31-8-29.0 A	0.00	0.51	(504)(a)
31-8-29.2	0.00	1.04	(504)(a)
31-8-31.1 A1	0.00	0.04	(504)(a)
31-8-31.1 A2	0.04	0.94	(504)(a)
31-8-31.2 A	0.00	1.89	(504)(a)
31-8-31.5	0.00	0.18	(504)(a)
31-8-31.6	0.00	0.38	(504)(a)
31-8-31.7	0.00	0.64	(504)(a)
31-9-10.0 A	0.00	1.00	(504)(a)
31-9-11.0 C	1.33	3.21	(504)(a)
31-9-12.0	0.00	2.70	(504)(a)
31-9-21.0 B	0.70	1.55	(504)(a)
31-9-23.0	0.00	1.06	(504)(a)
31-9-23.2	0.00	0.27	(504)(a)
31-9-23.3	0.00	0.40	(504)(a)
31-9-27.0 A	0.00	1.34	(504)(a)
32-8-4.0 A	0.00	4.65	(504)(a)

504a - Minimum compaction required shall be one (1) hour of continuous rolling for each three (3) stations of road, or fraction thereof, as measured along the centerline, per layer of material.

506 - The inlet and outlet ends 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.

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

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>	<u>Total Miles</u>	<u>Type of Work</u>
31-8-29.0 A	0.00	0.51	0.51	Cut & Scatter
31-8-29.2	0.00	1.04	1.04	Cut & Chip
31-8-31.1 A1	0.00	0.04	0.04	Cut & Scatter
31-8-31.1 A2	0.04	0.94	0.90	Cut & Scatter
31-8-31.2 A	0.00	1.89	1.89	Cut & Scatter
31-8-31.5	0.00	0.18	0.18	Cut & Chip
31-8-31.6	0.00	0.38	0.38	Cut & Chip
31-8-31.7	0.00	0.64	0.64	Cut & Chip
31-9-10.0 A	0.00	1.00	1.00	Cut & Scatter
31-9-10.0 B	1.00	1.30	0.30	Cut & Scatter
31-9-11.0 C	1.33	3.21	1.88	Cut & Scatter
31-9-11.1	0.00	0.29	0.29	Cut & Scatter
31-9-11.4	0.00	0.46	0.46	Cut & Scatter
31-9-12.0	0.00	2.70	2.70	Cut & Scatter
31-9-21.0 B	0.70	1.55	0.85	Cut & Scatter
31-9-21.0 C	1.55	1.92	0.37	Cut & Scatter
31-9-23.0	0.00	1.06	1.06	Cut & Scatter

31-9-23.2	0.00	0.27	0.27	Cut & Scatter
31-9-23.3	0.00	0.40	0.40	Cut & Scatter
31-9-27.0 A	0.00	1.34	1.34	Cut & Scatter
32-8-4.0 A	0.00	4.65	4.65	Cut & Scatter
Temp Route 11-2a	0.00	0.30	0.30	Cut & Scatter
Temp Route 21-1a	0.00	0.27	0.27	Cut & Scatter

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

#### WATERING - 600

- \*601 - This work shall consist of furnishing and applying water required for the compaction of embankments, roadbeds, backfills, base courses, surface courses, finishing and reconditioning of existing roadbeds laying dust, or for other uses in accordance with these specifications.
- \*602 - Water, when needed for compaction or laying dust, shall be applied at the locations, in the amounts, and during the hours as directed by the Authorized Officer. Amounts of water to be provided will be the minimum needed to properly execute the compaction requirements in conformance with these specifications, and for laying dust during work periods.
- \*603 - Water trucks used in this work shall be equipped with a distributing device of ample capacity and of such design as to ensure uniform application of water on the roadbed.
- 605 - The Purchaser shall secure the necessary water permits and pay all required water fees for use of water sources elected by the Purchaser and approved by the Authorized Officer.

#### AGGREGATE SURFACE COURSE - 1200 CRUSHED ROCK MATERIAL

- \*1201 - This work shall consist of hauling, and placing one or more layers of crushed rock materials on the approved roadbeds in accordance with these specifications and conforming to the lines, grades, 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 shall consist of quarry rock, stone, gravel, or other approved materials obtained from sources shown on the plans.
- \*1209 - Shaping and compacting of roadbed shall be completed and approved, prior to placing crushed rock material in accordance to the requirements of Subsection 500 for placing on the roadbed.
- \*1210 - Crushed rock material conforming to the requirements of these specifications shall be placed on the approved roadbed 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 four (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 unless approved as such by the Authorized Officer.
- 1213 - Each layer of crushed rock material placed, processed and shaped as specified shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width until a uniform density of not less than 95 percent of maximum density is attained as determined by AASHTO T 99, Method D.

#### SOIL STABILIZATION - 1800

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

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

If soil stabilization of disturbed areas is not completed by the specified fall date, the Purchaser shall treat disturbed areas and then complete the requirements of Soil Stabilization 1800 the next construction season.

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

- 1803a- The Purchaser shall begin soil stabilization work within 10 days of the starting work date when notified by the Authorized Officer.
- 1806a- Additional soil stabilization work consisting of seeding and mulching may be required at the option of the Authorized Officer. Providing the additional stabilization is not due to Purchaser negligence as specified in Sec. 12 of the contract, a reduction in the total purchased price shall be made to offset the cost of furnishing and applying such additional stabilization material. Cost shall be based upon the unit price set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 1809 - Mulch materials conforming to the requirements of Subsection 1809b shall be furnished by the Purchaser in the amounts specified under Subsection 1812 and applied in accordance with Subsection 1813.

- 1809b- Natural wood cellulose or grass fiber shall have the property of dispersing readily in water and shall have no toxic effect when combined with seed or other materials. The homogeneous slurry or mixture shall be capable of application with power spray equipment. A green-colored dye which is noninjurious to plant growth shall be used. Processed wood cellulose or grass fiber shall be packaged in new, labeled containers in an air dry condition. Processed wood cellulose or grass fiber furnished by the Purchaser shall be one of the following brand names or approved equal.

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

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

- 1812 - The Purchaser shall furnish and apply to approximately 8.3 acres designated for treatment as shown on the plans and as specified under Subsections 1802a and 1806a, a mixture of grass seed and mulch material at the following rate of application:

Dry Application

Native Seed                      10lbs/acre (See Special Provisions, EXHIBIT C-13, Page 1 of 2)

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

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

#### ROADSIDE BRUSHING - 2100

- \*2101 - This work shall consist of the cutting and scattering or chipping of vegetation from the road prism - variable distance, and inside curves in accordance with these specifications and

conforming to the lines, grades, dimensions, and typical cross sections shown on the Roadside Brushing Detail Sheet of this exhibit, at designated locations as shown in the plans.

- 2102 - Roadside brushing may be performed mechanically with self powered, self-propelled equipment or manually with hand tools, including chain saws.
- 2103 - Vegetation cut manually or mechanically less than (6) inches in diameter when measured at DBH shall be cut to a maximum height of (2) inches above the ground surface or above obstructions such as rocks or stumps on cut and fill sloped and all limbs below the (2) inch area will be severed from the trunk.
- 2103a - Vegetation shall be cut and removed from the road bed between the outside shoulders and the ditch centerline and such vegetation shall be cut to a maximum height of 1 foot above the ground and running surface. Limbs below the 1 foot area will be severed from the trunk. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.
- 2104 - Trees in excess of (6) inches in diameter at DBH shall be limbed, so that no limbs extend into the treated area or over the roadbed to a height of (14) feet above the running surface of the roadway on cut and fill slopes, within the road prism-variable distance. Limbs shall be cut to within (1) inch of the trunk to produce a smooth vertical face. Removal of trees larger than (6) inches in diameter for sight distance or safety may be directed by the Authorized Officer.
- 2105 - Vegetation that is outside of the road prism-variable distance that protrudes into the road prism and within (14) feet in elevation above the running surface shall be cut, to within (1) inch of the trunk to produce a smooth vertical face.
- 2106 - Vegetative growth capable of growing (1) foot in height or higher shall be cut, within the road prism-variable distance or as directed by the Authorized Officer.
- 2107 - Inside curves shall be brushed out for a sight distance of 200 feet chord distance or a middle ordinate distance of 25 feet, whichever is achieved first. Overhanging limbs and vegetation in excess of (1) foot in height, shall be cut within these areas.
- 2108 - Self propelled equipment shall not be permitted on cut and fill slopes or in ditches.
- 2109 - Debris resulting from this operation shall be scattered or chipped downslope from the roadway. Debris shall not be allowed to accumulate in concentrations. Debris in excess of (1) feet in length and (2) inches in diameter shall not be allowed to remain on cut slopes, ditches, roadways or water courses, or as directed by Authorized Officer.
- 2110 - Vegetation (6) inches and smaller in diameter shall be chipped. Chips shall be scattered downslope from the roadway. Vegetation over (6) inches in diameter shall be disposed of by direction of the Authorized Officer.
- 2113 - Roadside brushing shall be accomplished as shown on the plans and as listed below:

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>	<u>Total Miles</u>	<u>Type of Work</u>
31-8-29.0 A	0.00	0.51	0.51	Cut & Scatter
31-8-29.2	0.00	1.04	1.04	Cut & Chip

31-8-31.1 A1	0.00	0.04	0.04	Cut & Scatter
31-8-31.1 A2	0.04	0.94	0.90	Cut & Scatter
31-8-31.2 A	0.00	1.89	1.89	Cut & Scatter
31-8-31.5	0.00	0.18	0.18	Cut & Chip
31-8-31.6	0.00	0.38	0.38	Cut & Chip
31-8-31.7	0.00	0.64	0.64	Cut & Chip
31-9-10.0 A	0.00	1.00	1.00	Cut & Scatter
31-9-10.0 B	1.00	1.30	0.30	Cut & Scatter
31-9-11.0 C	1.33	3.21	1.88	Cut & Scatter
31-9-11.1	0.00	0.29	0.29	Cut & Scatter
31-9-11.4	0.00	0.46	0.46	Cut & Scatter
31-9-12.0	0.00	2.70	2.70	Cut & Scatter
31-9-21.0 B	0.70	1.55	0.85	Cut & Scatter
31-9-21.0 C	1.55	1.92	0.37	Cut & Scatter
31-9-23.0	0.00	1.06	1.06	Cut & Scatter
31-9-23.2	0.00	0.27	0.27	Cut & Scatter
31-9-23.3	0.00	0.40	0.40	Cut & Scatter
31-9-27.0 A	0.00	1.34	1.34	Cut & Scatter
32-8-4.0 A	0.00	4.65	4.65	Cut & Scatter
Temp Route 11-2a	0.00	0.30	0.30	Cut & Scatter
Temp Route 21-1a	0.00	0.27	0.27	Cut & Scatter

- 2115 - Sections of roadway to have vegetation removed will be marked at start and stop points with red-topped painted stakes.
- 2116 - Mechanical brush cutters shall not be operated when there are people and occupied vehicles within (400) feet of the immediate operating area.
- 2117 - Traffic warning signs shall be required at each end of the work area. Signs shall meet the requirements of the Manual on Uniform Traffic Devices.

## SPECIAL PROVISIONS

1. Before beginning road renovation, construction, reconstruction, or surfacing operations for the first time or after a shutdown of seven or more days, the Purchaser shall notify the Authorized Officer of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer if they intend to cease operations for any period of 30 or more days.
2. The contractor shall protect and is responsible for any damage to existing telephone lines, transmission lines, fiber optic lines, fences, ditches, and other existing improvements as required in Section 14. Damage to utilities and existing improvements shall be promptly paid for or repaired to a condition which, in the opinion of the Authorized Officer, is at least as good as the condition just prior to such damage.
3. All disturbed soil shall be seeded and mulched. Purchaser shall apply native grass seed and Certified Weed Free straw mulch for soil stabilization operations. BLM will furnish native grass seed **if available**. Certified weed free straw mulch will be the responsibility of the contractor.
4. While roadside brushing, there shall be no scarring or any other damage of the tree trunk or bole allowed. Use of excavators for brush removal will be at the discretion of the Authorized Officer. **All culvert inlets and outlets shall be brushed for a radius of 4 feet.**
5. Roadside brushing cutting limits beneath or adjacent to bridges shall extend 8 feet horizontally from each side of the outermost projected line of the bridge including abutments, curbs, rails, or decks. Cut brush and trees shall be removed from beneath the bridge and from the stream channel.
6. While roadside brushing through private industry lands, conifer trees at the edges of the cleared area (from 1' off of fill slope shoulder and 1' up from edge of ditchline) shall have the branches pruned rather than being felled.
7. All temp routes shall be winterized if access is needed over two dry seasons by October 15<sup>th</sup>. Winterization includes: water barring, seeding, mulching, and barricading. Seeding and mulching shall take place before October 31.
8. Water bars shall be spaced at 100' intervals unless otherwise specified in the Farout Timer Sale Worklist, Exhibit C-10.
9. **Roadway Clearing** (see Exhibit C-10: Roadside Daylighting Detail, and Exhibit C-14: Roadway Clearing Worklist):

### **A. Unit Layout:**

- i. Roadway Clearing Units are delineated with orange flagging, white posters, and green posters to mark the Reserve Areas. The units have been painted with yellow-cut-tree-mark. In some portions of the roadway units, there are yellow mark trees outside of the roadway unit boundaries. In these cases, the yellow marked trees shall be felled and slash shall be removed as pulpwood and biomass.

**B. Cutting Requirements:**

- i. Mechanically cut all vegetation out to the roadway clearing unit width (slope distance) as marked on the ground and as specified in Section 41 (B) of the Timber Sale Special Provisions and as specified in the Roadway Clearing Worklist, Exhibit C-14. The equipment harvesting trees larger than eight (8) inches at D.B.H.O.B. shall have a single-grip head than can fully suspend logs clear of the ground while cutting, and shall fell these trees within the road prism.
- ii. 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-10.
- iii. 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-10. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.

**C. Slash Handling Requirements:**

- i. Slash resulting from Roadway Clearing Units shall be disposed of in accordance with the Roadway Clearing Worklist, Exhibit C-14, and in accordance with the requirements Exhibit C-13(9)(B). Slash disposal will occur concurrently with felling operations. **Prior to any other slash handling, the Purchaser shall remove all pulp logs from the debris.** Following slash treatment, no debris will be allowed within roadways, drainage ditches, or within channel bottoms or streams.
- ii. **Lop and Scatter: Where designated on the ground and as described in Exhibits C-14 and C-15,** cut vegetation resulting from Roadway Clearing shall be lopped and scattered according to the requirements found in Section 41(G)(1)(a) of the Farout Timber Sale Special Provisions. This slash treatment is designated in the field with a combination of orange and white flagging posted at the beginning and end of the lop and scatter slash treatment prescription.
- iii. **Biomass Removal: Where designated on the ground and as described in Exhibits C-14 and C-15,** cut vegetation resulting from Roadway Clearing shall 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 over area E (the fill slope). Scattered material shall not be allowed to accumulate in area C (cut banks). This slash treatment is designated in the field with green glo flagging posted at the beginning and end of the biomass removal slash treatment prescription.
- iv. **Biomass Removal & Herbicide Application: Where designated on the ground and as described in Exhibits C-14 and C-15,** cut vegetation resulting from Roadway Clearing shall 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 over area E (the fill slope). Scattered material shall not be allowed to accumulate in area C (cut banks). Following the removal of biomass, the Purchaser shall apply herbicide to noxious weeds within the treatment unit as directed by the Authorized Officer. This slash treatment is designated in the field with a combination of green glo and white flagging posted at the beginning and end of the biomass removal and herbicide slash treatment prescription.

- v. **Chip and Mulch: Where designated on the ground and as described in Exhibits C-14 and C-15**, cut vegetation resulting from Roadway Clearing shall be mechanically 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. Chips shall be scattered in a discontinuous pattern across the forest floor into area E (over the fill slopes into the forest stands). This slash treatment is designated in the field with a combination of pink and red flagging posted at the beginning and end of the chip and mulch slash treatment prescription.
- vi. **Machine Pile, Cover Piles: Where designated on the ground and as described in Exhibits C-14 and C-15**, cut vegetation resulting from Roadway Clearing shall be machine piled and covered according to the specifications found in Sec. 41(G)(1)(b) of the Farout Timber Sale Special Provisions. BLM personnel shall be responsible for burning the machine piles. This slash treatment is designated in the field with black and blue striped flagging posted at the beginning and end of the machine pile, cover piles slash treatment prescription.

**D. Stump removal:**

- i. 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 shall be removed in such a way as to not cause damage to drainage ditch or road. Stumps that are ground down shall be ground down to a minimum of three (3) inches below ground or road surfacing level.

**Farout Roadway Clearing Worklist**

**Unit 31-9-12.0**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.510	Start Unit—No Clearing	No Treatment
0.720	Start 20 Foot Clearing	Start Biomass Slash & Herbicide
0.813	Continue 20 Foot Clearing	Start Chip & Mulch Slash
0.893	Stop Clearing	Stop Slash Treatment
0.998	Start 20 Foot Clearing	Start Machine Pile Slash
1.085	Stop Clearing	Stop Slash Treatment
1.147	Start 20 Foot Clearing	Start Biomass Slash & Herbicide
1.221	Start 10 Foot Clearing	Start Lop & Scatter Slash
1.336	Stop Clearing	Stop Slash Treatment
1.402	Start 10 Foot Clearing	Start Chip & Mulch Slash
1.456	Stop Clearing	Stop Slash Treatment
1.515	Start 5 Foot Clearing	Start Biomass Removal
1.665	Start 10 Foot Clearing	Start Biomass Removal
1.717	Stop Clearing	Stop Slash Treatment
1.764	Start 5 Foot Clearing	Start Lop & Scatter Slash
1.947	Start 10 Foot Clearing	Start Chip & Mulch Slash
2.049	Continue 10 Foot Clearing	Start Lop & Scatter Slash
2.168	Continue 10 Foot Clearing	Start Biomass Removal
2.283	Continue 10 Foot Clearing	Start Lop & Scatter Slash
2.313	Stop Clearing	Stop Slash Treatment
2.363	Start 10 Foot Clearing	Start Biomass Removal
2.393	Stop Clearing	Stop Slash Treatment
2.424	Start 5 Foot Clearing	Start Chip & Mulch Slash
2.502	Continue 5 Foot Clearing	Start Lop & Scatter Slash
2.607	Stop Clearing	Stop Slash Treatment
2.852	End of Unit	

**Unit 31-8-29.0**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start 5 Foot Clearing	Start Chip & Mulch Slash
0.094	Continue 5 Foot Clearing	Start Lop & Scatter Slash
0.167	Continue 5 Foot Clearing	Start Biomass Removal
0.240	Continue 5 Foot Clearing	Start Biomass Slash & Herbicide
0.315	Continue 5 Foot Clearing	Start Chip & Mulch Slash
0.391	Continue 5 Foot Clearing	Start Lop & Scatter Slash
0.460	Start 20 Foot Clearing	Start Biomass Removal
0.516	Stop Clearing—End of Unit	Stop Slash Treatment



**Unit 31-8-30.3**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—No Clearing	No Treatment
0.065	Start 5 Foot Clearing	Start Lop & Scatter Slash
0.122	Continue 5 Foot Clearing	Start Biomass Slash & Herbicide
0.184	Start 10 Foot Clearing	Start Biomass Removal
0.236	Continue 10 Foot Clearing	Start Lop & Scatter Slash
0.273	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-8-31.5**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—No Clearing	No Treatment
0.037	Start 10 Foot Clearing	Start Chip & Mulch Slash
0.072	Continue 10 Foot Clearing	Start Lop & Scatter Slash
0.097	Start 5 Foot Clearing	Start Chip & Mulch Slash
0.124	Continue 5 Foot Clearing	Start Lop & Scatter Slash
0.156	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-8-31.6**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—No Clearing	No Treatment
0.095	Start 10 Foot Clearing	Start Chip & Mulch Slash
0.172	Continue 10 Foot Clearing	Start Lop & Scatter Slash
0.238	Start 5 Foot Clearing	Start Chip & Mulch Slash
0.298	Continue 5 Foot Clearing	Start Lop & Scatter Slash
0.363	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-8-31.7**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start 5 Foot Clearing	Start Lop & Scatter Slash
0.097	Continue 5 Foot Clearing	Start Chip & Mulch Slash
0.207	Continue 5 Foot Clearing	Start Biomass Removal
0.310	Start 10 Foot Clearing	Continue Biomass Removal
0.429	Continue 10 Foot Clearing	Start Lop & Scatter Slash
0.524	Continue 10 Foot Clearing	Start Chip & Mulch Slash
0.633	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-8-31.0**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
8.585	Start Unit—Start 5 Foot Clearing	Start Biomass Slash & Herbicide
8.695	Continue 5 Foot Clearing	Start Lop & Scatter Slash
8.835	Stop Clearing	Stop Slash Treatment
8.940	Start 10 Foot Clearing	Start Chip & Mulch Slash
9.011	Continue 10 Foot Clearing	Start Biomass Removal
9.186	Start 5 Foot Clearing	Start Lop & Scatter Slash
9.344	Continue 5 Foot Clearing	Start Chip & Mulch Slash
9.522	Stop Clearing	Stop Slash Treatment
9.642	Start 5 Foot Clearing	Start Lop & Scatter Slash
9.751	Continue 5 Foot Clearing	Start Machine Pile Slash
9.819	Start 20 Foot Clearing	Start Biomass Slash & Herbicide
9.933	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-9-11.0**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start 20 Foot Clearing	Start Biomass Slash & Herbicide
0.177	Start 5 Foot Clearing	Start Chip & Mulch Slash
0.297	Start 20 Foot Clearing	Continue Chip & Mulch Slash
0.498	Start 10 Foot Clearing	Start Lop & Scatter Slash
0.615	Continue 10 Foot Clearing	Start Biomass Slash & Herbicide
0.756	Continue 10 Foot Clearing	Start Chip & Mulch Slash
0.811	Stop Clearing	Stop Slash Treatment
0.928	Start 5 Foot Clearing	Start Biomass Slash & Herbicide
1.020	Continue 5 Foot Clearing	Start Biomass Removal
1.130	Continue 5 Foot Clearing	Start Chip & Mulch Slash
1.233	Continue 5 Foot Clearing	Start Lop & Scatter Slash
1.372	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-9-11.4**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start 10 Foot Clearing	Start Lop & Scatter Slash
0.089	Continue 10 Foot Clearing	Start Chip & Mulch Slash
0.472	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-9-11.5**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start 10 Foot Clearing	Start Biomass Removal
0.088	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-9-13.1**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start 10 Foot Clearing	Start Lop & Scatter Slash
0.047	Start 5 Foot Clearing	Continue Lop & Scatter Slash
0.096	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-9-10.0**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.669	Start Unit—Start 20 Foot Clearing	Start Biomass Removal
0.725	Continue 20 Foot Clearing	Start Chip & Mulch Slash
0.828	Continue 20 Foot Clearing	Start Machine Pile Slash
0.930	Start 10 Foot Clearing	Start Biomass Slash & Herbicide
1.016	Start 5 Foot Clearing	Start Chip & Mulch Slash
1.131	Stop Clearing	Stop Slash Treatment
1.168	Start 5 Foot Clearing	Start Lop & Scatter Slash
1.231	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-9-15.0**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start Individual Tree Selection	Start Biomass of tops & limbs
0.288	Stop Individual Tree Selection—End of Unit	Stop Biomass of tops & limbs

**Unit 31-9-27.0**

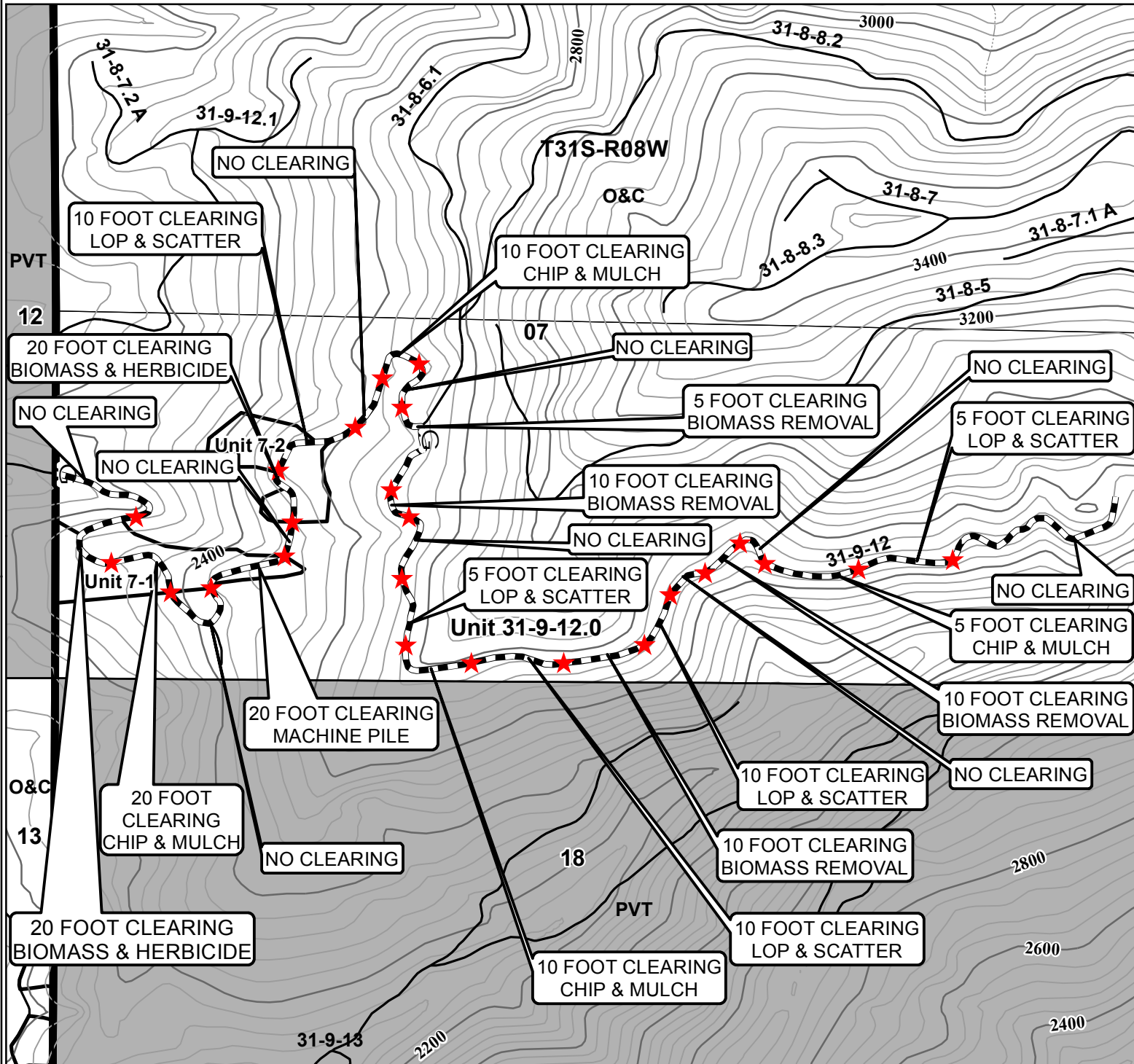
<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start Individual Tree Selection	Start Biomass of tops & limbs
0.989	Stop Individual Tree Selection—End of Unit	Stop Biomass of tops & limbs

**Unit 31-9-21.0**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
1.5782	Start Unit—No Clearing	No Treatment
1.7036	Start 5 Foot Clearing	Start Lop & Scatter Slash
1.7644	Continue 5 Foot Clearing	Start Chip & Mulch Slash
1.8129	Start 10 Foot Clearing	Start Lop & Scatter Slash
1.8659	Continue 10 Foot Clearing	Start Chip & Mulch Slash
1.9176	Stop Clearing—End of Unit	Stop Slash Treatment

**Unit 31-9-27.6**

<b><u>M.P.</u></b>	<b><u>Clearing Width</u></b>	<b><u>Slash Disposal Treatment</u></b>
0.000	Start Unit—Start 20 Foot Clearing	Start Machine Pile Slash
0.036	Continue 20 Foot Clearing	Start Lop & Scatter Slash
0.061	Stop Clearing	Stop Slash Treatment
0.098	Start 20 Foot Clearing	Start Biomass Removal
0.147	Continue 20 Foot Clearing	Start Chip & Mulch Slash
0.194	Continue 20 Foot Clearing	Start Biomass Slash & Herbicide
0.244	Stop Clearing—End of Unit	Stop Slash Treatment



0 500 1,000 2,000 Feet  
1 inch = 1,000 feet

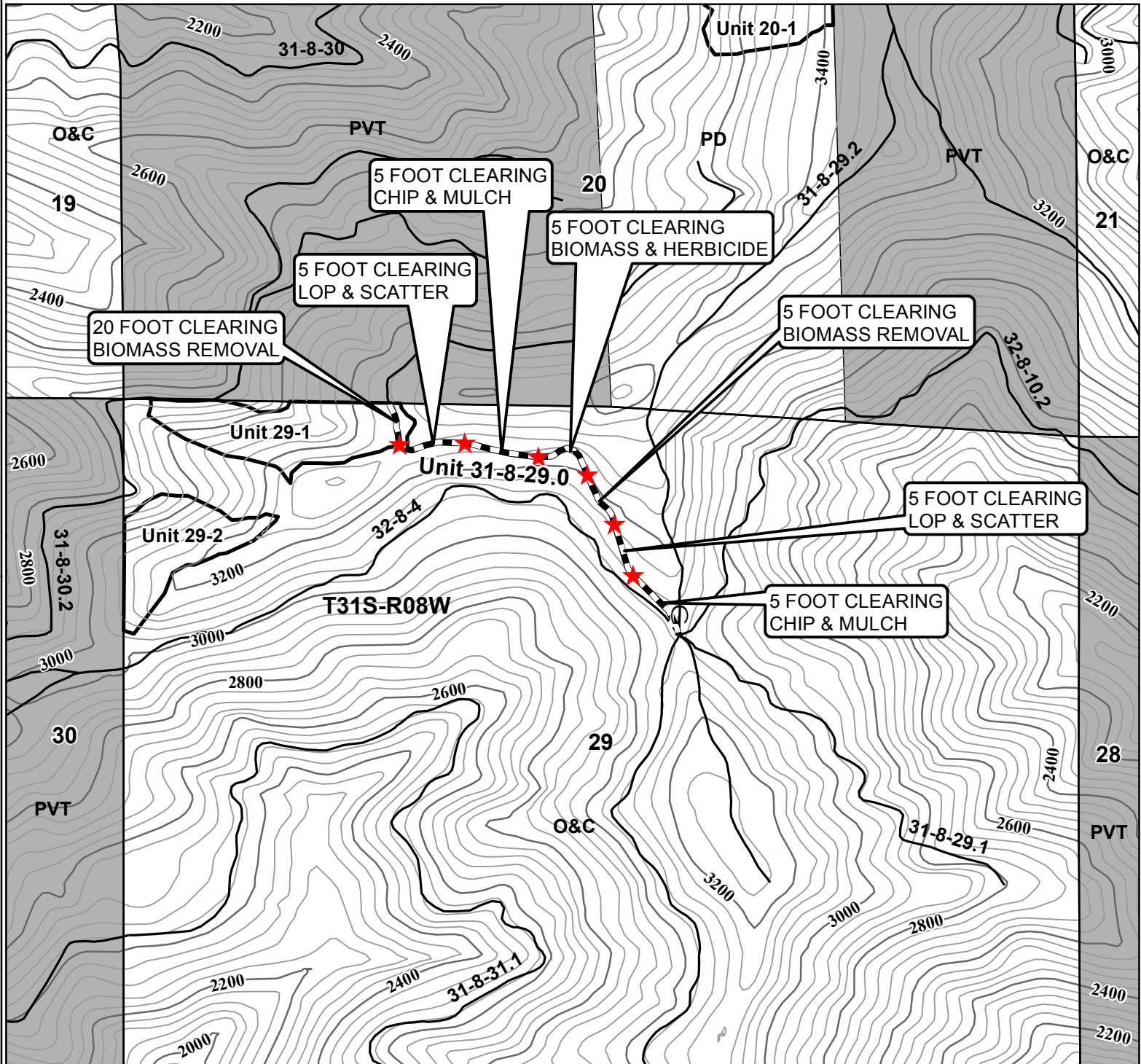
40 FOOT CONTOUR INTERVAL



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0 500 1,000 2,000 Feet  
1 inch = 1,000 feet

40 FOOT CONTOUR INTERVAL



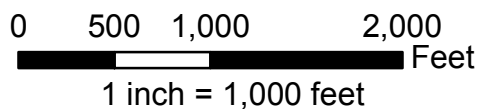
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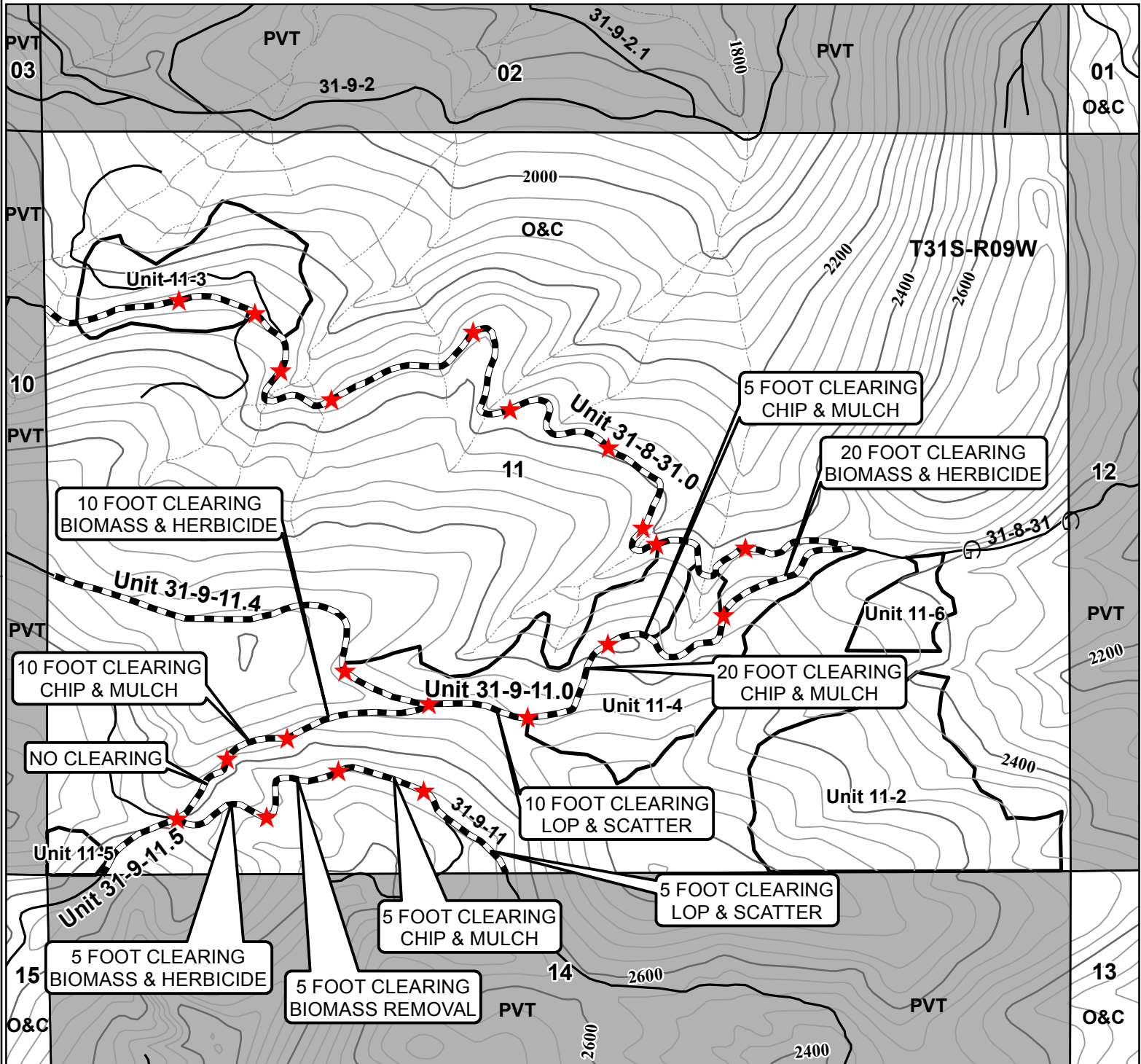
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0 500 1,000 2,000 Feet  
1 inch = 1,000 feet

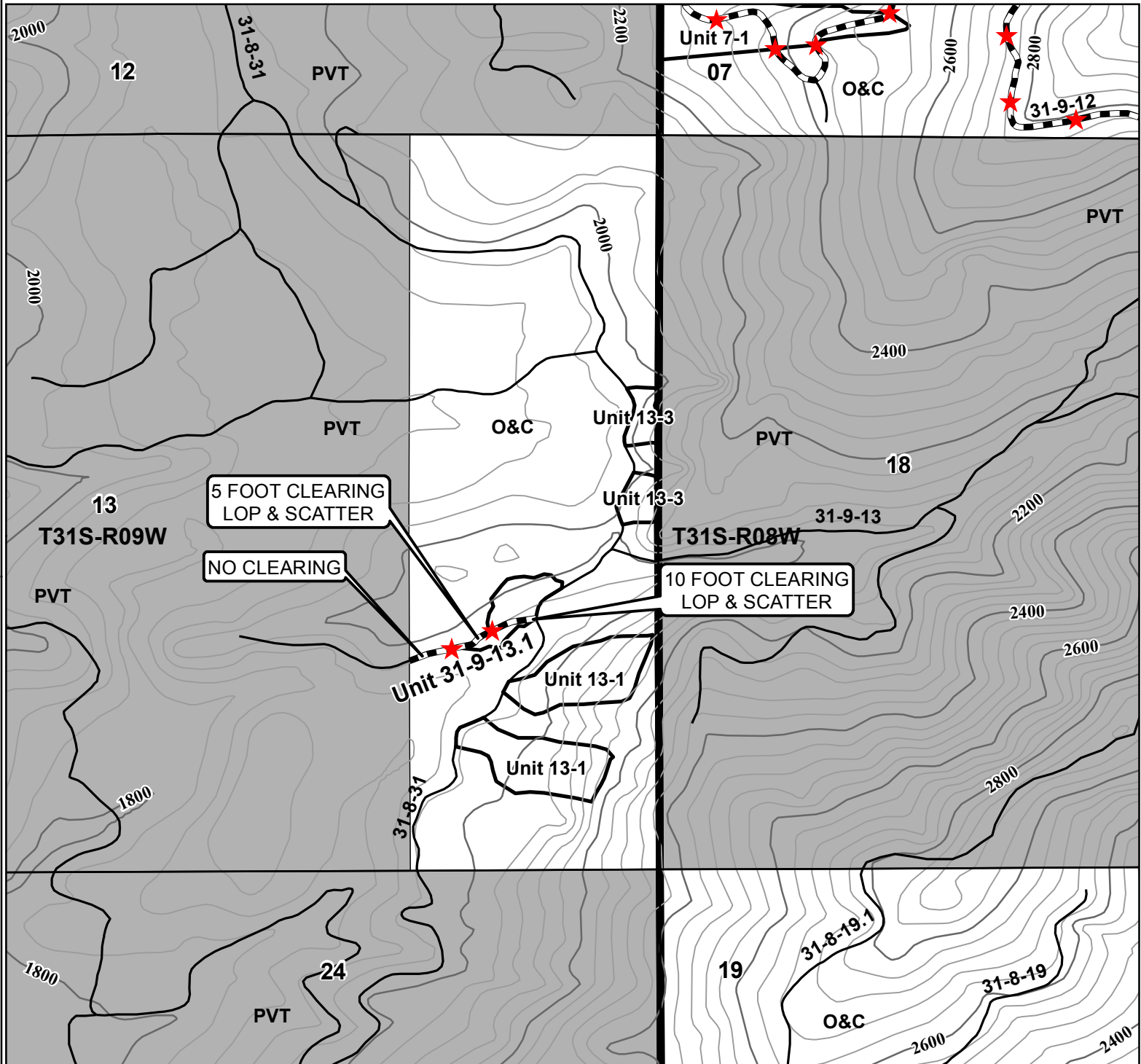
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0 500 1,000 2,000 Feet  
1 inch = 1,000 feet

40 FOOT CONTOUR INTERVAL

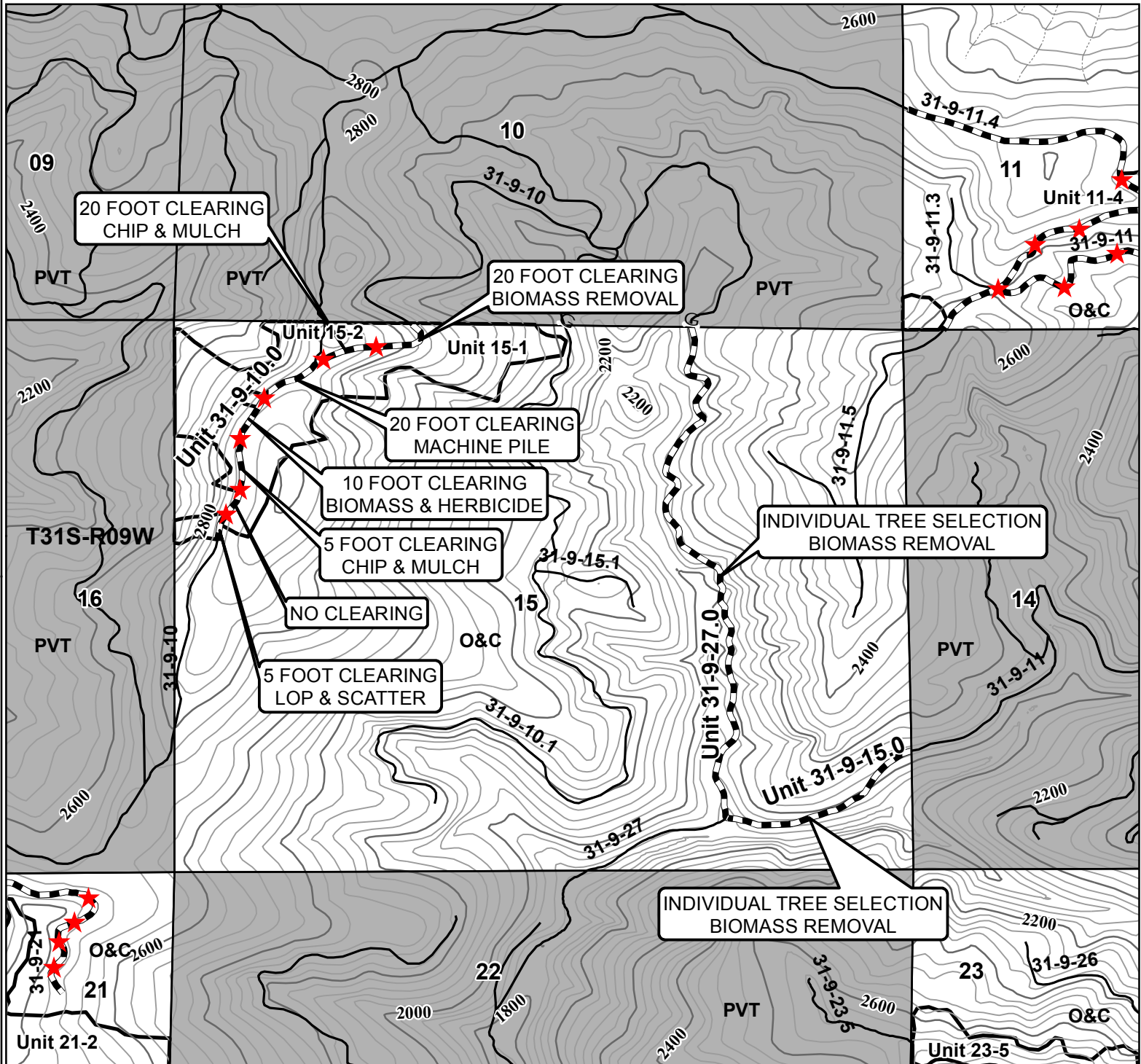


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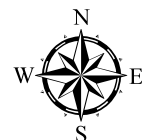
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0 700 1,400 2,800 Feet  
1 inch = 1,358 feet

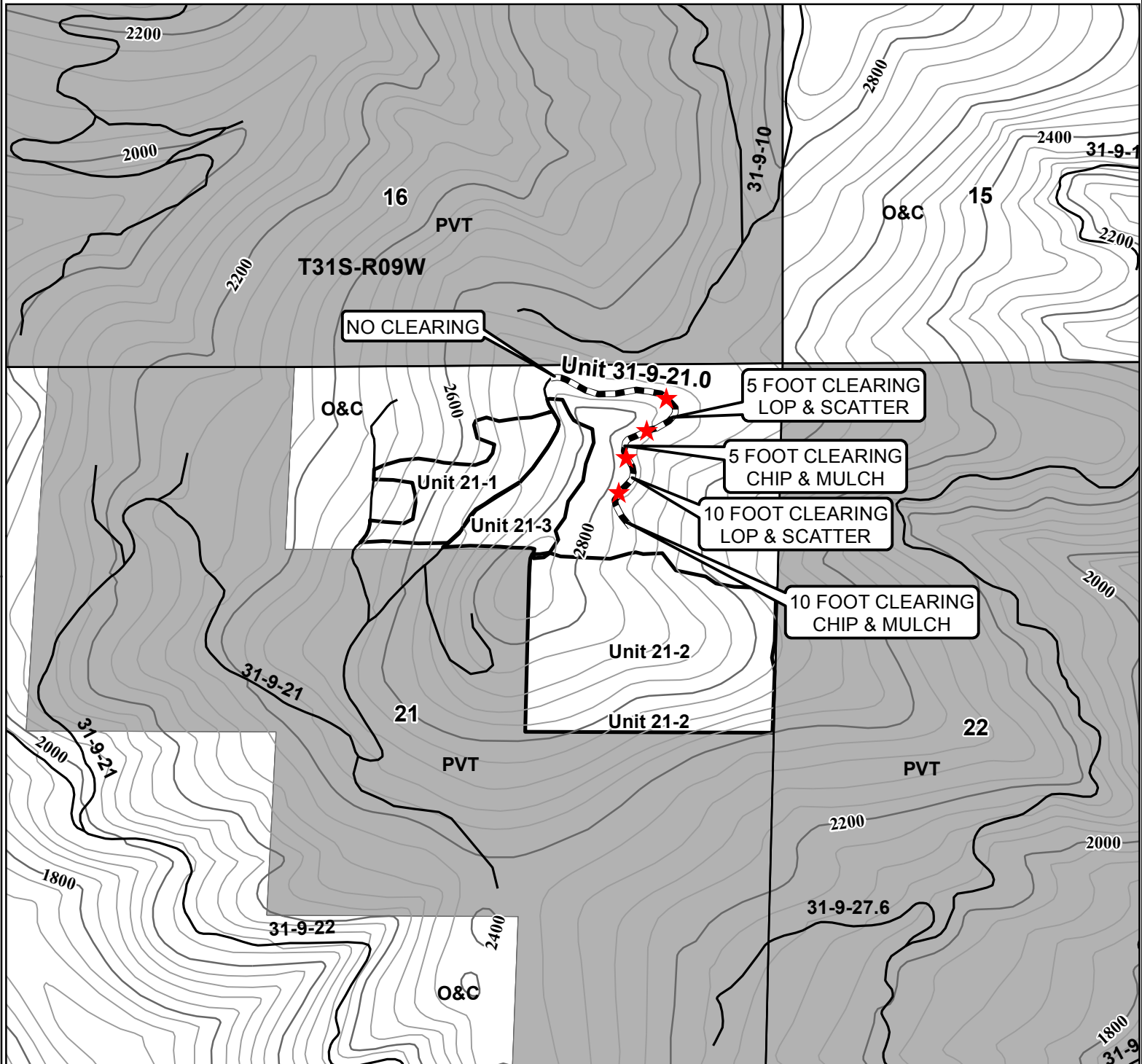
40 FOOT CONTOUR INTERVAL



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0 500 1,000 2,000 Feet  
1 inch = 1,000 feet

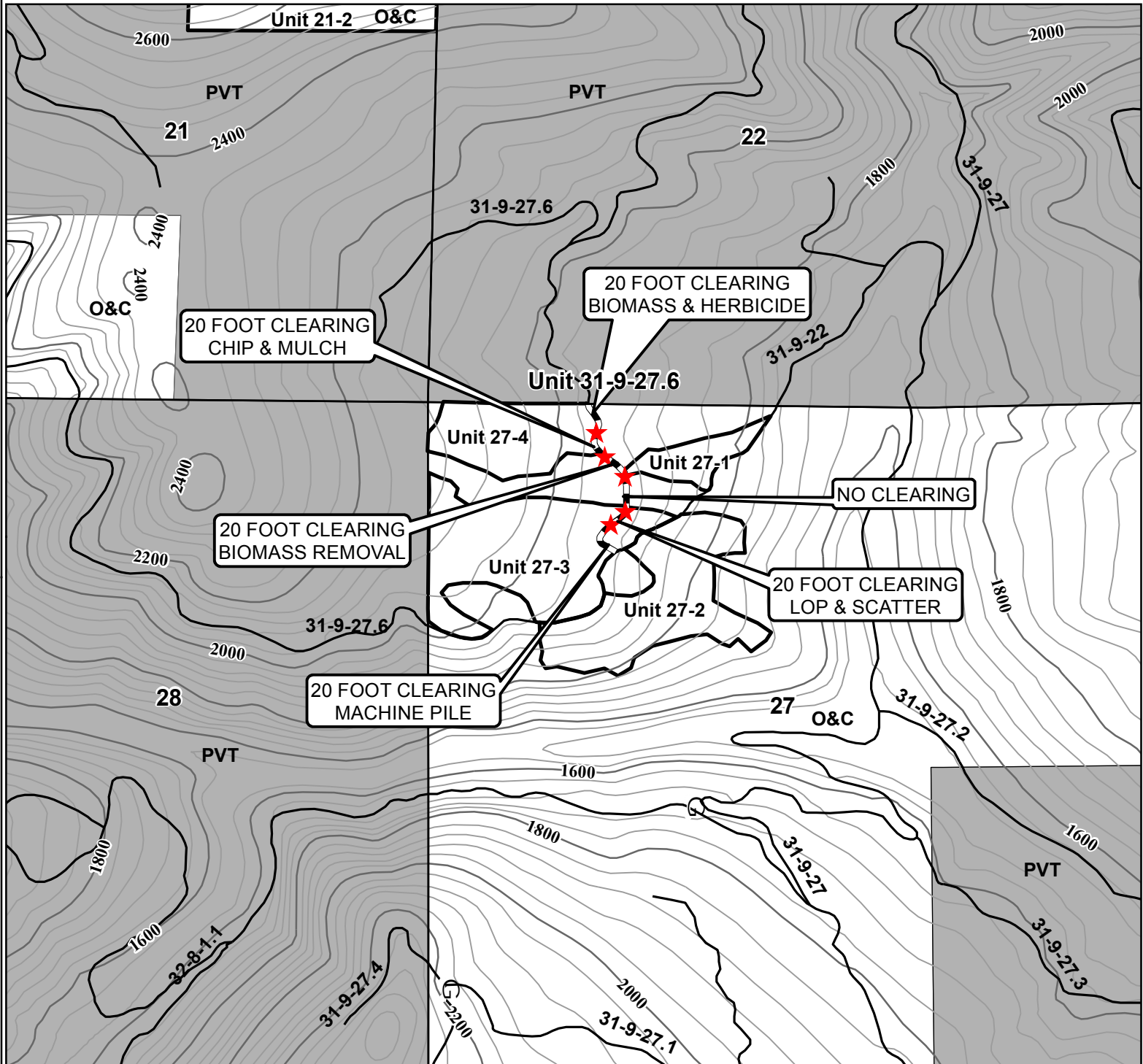
40 FOOT CONTOUR INTERVAL



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0 500 1,000 2,000 Feet  
1 inch = 1,000 feet

40 FOOT CONTOUR INTERVAL









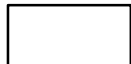



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## Legend

-  Farout Roadway Units
-  Roadway Clearing Treatment Breaks
-  Farout Commercial Thin Units
-  Roads
-  Gates
-  Streams
-  Intermediate 40-ft contour
-  Index 200-ft contour
-  Sections
-  Township\_Range

## Ownership

-  Bureau of Land Management (BLM)
- o&c** BLM O & C Lands
- PD** BLM Public Domain Lands
-  Non-Federal
- PVT** Private

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-2 MAP



GENERAL MAINTENANCE - 3000

- 3001 - The Purchaser shall be required to maintain all roads listed and/or referenced in Section 41, Exhibit C-3 Special Provisions of this contract in accordance with Sections 3000, 3100, 3200, 3300 and 3400 of this exhibit.
- 3002 - The Purchaser shall maintain the cross section of existing dirt or gravelled roads to the existing geometric standards. Any roads required to be constructed, improved, or renovated under terms of this contract shall be maintained to the standards required in Exhibit C of this contract.
- 3003 - The minimum required maintenance on any roads shall include the provisions specified in Subsections 3101, 3104, and 3105.
- 3004 - The Purchaser shall be responsible for providing timely maintenance and cleanup on any road 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

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

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

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

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

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

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

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

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

The Purchaser shall also cut trees or brush encroaching on the road prism that are a result of his activities or winter damage during the contract period. Disposal of such vegetative material shall be by scattering below the road in accordance with Section 2100 of Exhibit C-9.

- 3108 - The Purchaser shall avoid fouling gravel or bituminous surfaces through covering with earth and debris from side ditches, slides, or other sources. The Purchaser shall also avoid blading surfacing material off the running surface of the roadway. Skidding of logs on the roadway in or outside designated logging units is not authorized without prior written approval by the Authorized Officer. Repair required by such skidding activity is not considered maintenance and shall be repaired at the Purchaser's expense.
- 3108a - The Purchaser shall perform logging operations on gravel and/or bituminous roadways only where the locations have been marked on the ground and/or approved by the Authorized Officer.

#### SEASONAL MAINTENANCE - 3200

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

#### FINAL MAINTENANCE - 3300

- 3301 - The Purchaser shall complete final maintenance and/or damage repairs on all roads used under terms of their contract within 30 calendar days following the expiration of Purchaser's right to cut and remove timber (Sec. 4) and in accordance with Sec. 16(b) of this contract. This work shall include any maintenance and/or damage repairs specified in Sections 3000, 3100, and 3200 necessary to meet the conditions

specified in Subsection 3002 and shall be executed in accordance with Subsection 3302 of this Section.

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

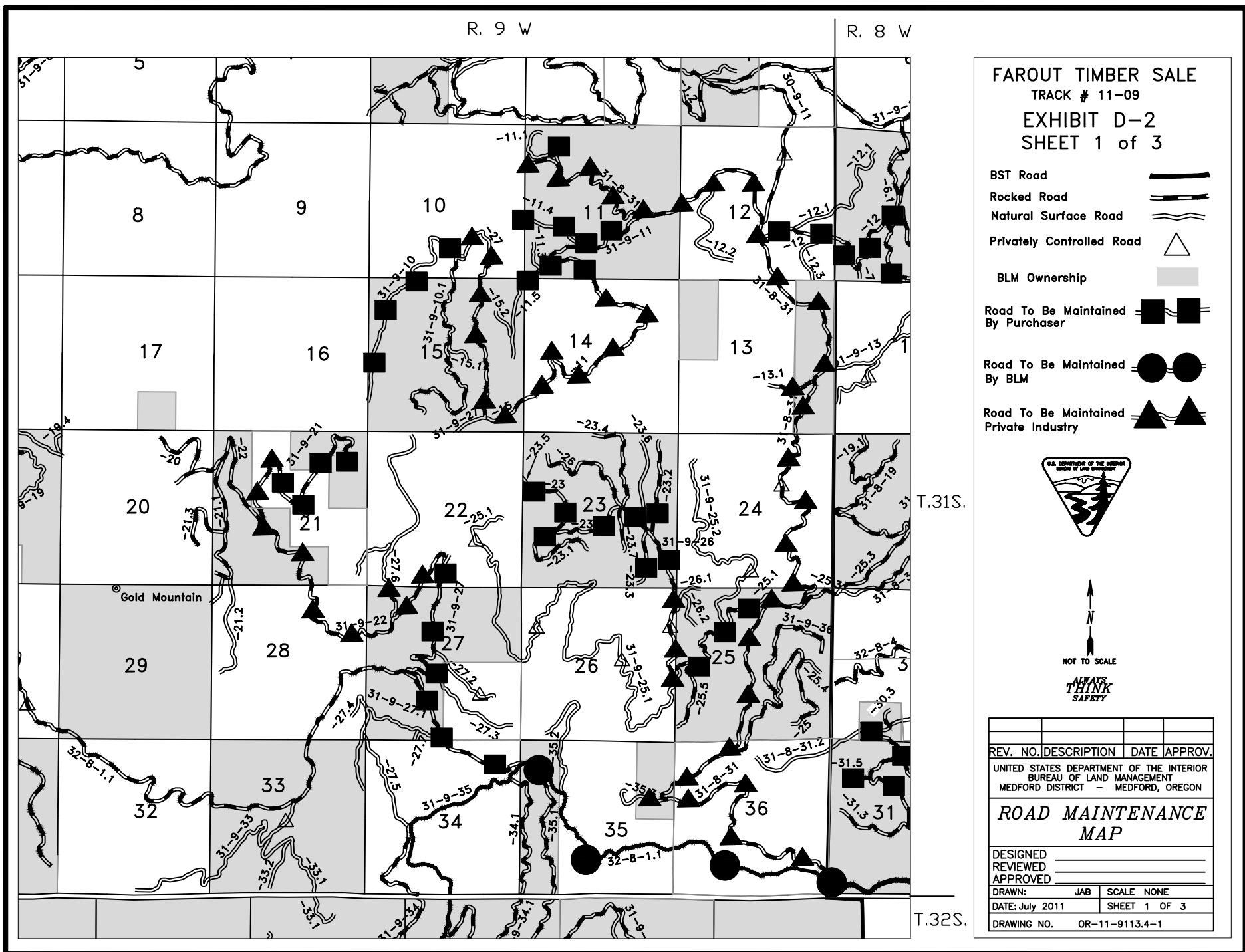
- 3302 - The Purchaser shall perform final road maintenance only when weather or soil moisture conditions are suitable for normal maintenance equipment operations as determined by the Authorized Officer.

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

#### OTHER MAINTENANCE - 3400

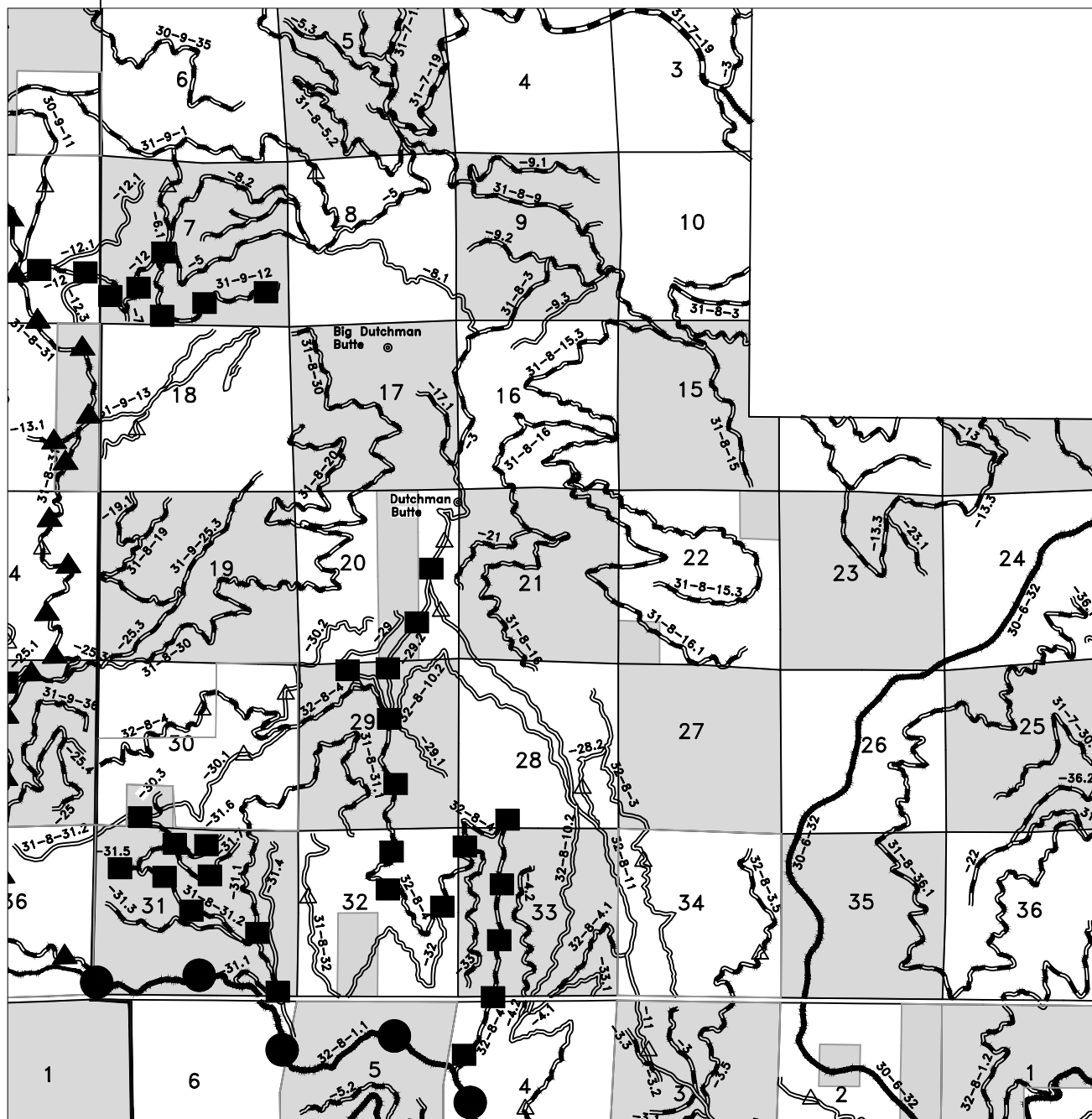
- 3401 - The Purchaser shall repair any damage to road surfaces that was specified under Subsection \*3108 and 3108a. This repair includes restoring the roadway to the designed standard and replacement of surfacing with approved surface material. This repair is not limited to use of equipment specified in Subsection 3104.
- 3402 - The Purchaser shall be permitted to remove ice and snow from roads authorized for use under this contract only when prior written approval has been secured from the Authorized Officer. The Purchaser shall submit a written request for permission to remove ice and snow in advance of the date operations are to begin.

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



R. 9 W

R. 8 W



## FAROUT TIMBER SALE

TRACK 11-09

EXHIBIT D-2

SHEET 2 OF 3

BST Road   
 Rocked Road   
 Natural Surface Road 

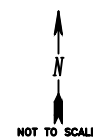
Privately Controlled Road 

BLM Ownership 

Road To Be Maintained  
By Purchaser 

Road To Be Maintained  
By BLM or Industry 

Road To Be Maintained  
Private Industry 



ALWAYS  
THINK  
SAFETY

REV.	NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR				
BUREAU OF LAND MANAGEMENT				
MEDFORD DISTRICT - MEDFORD, OREGON				

### ROAD MAINTENANCE MAP

DESIGNED \_\_\_\_\_  
 REVIEWED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

DRAWN: JAB SCALE AS SHOWN

DATE: July 2011 SHEET 2 OF 3

DRAWING NO. OR-11-9113.4-1

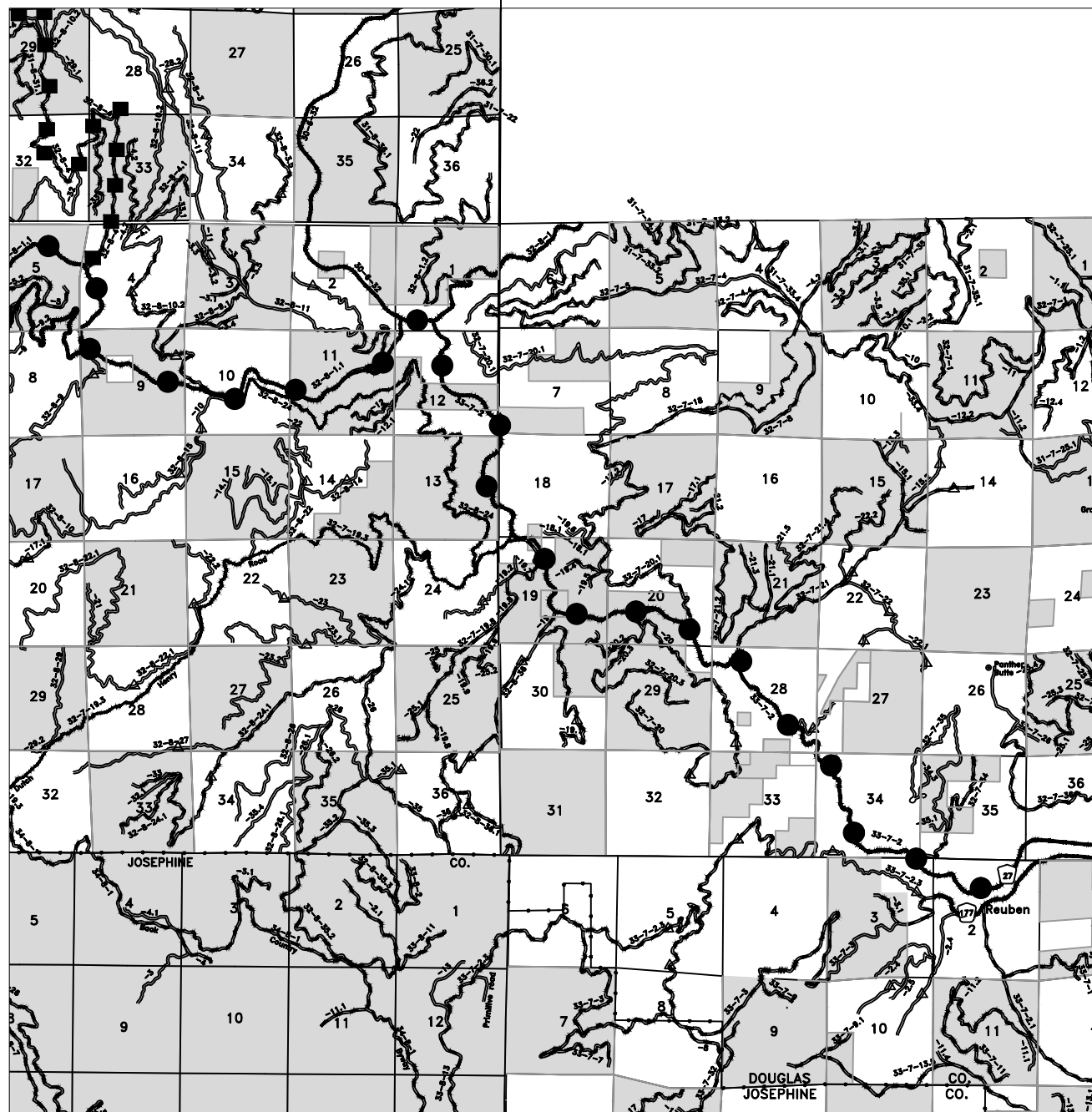
R. 8 W

R. 7 W

T.31S.

T.32S.

T.33S.



## FAROUT TIMBER SALE

TRACK 11-09

EXHIBIT D-2

SHEET 3 OF 3

BST Road



Rocked Road



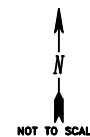
Natural Surface Road



Privately Controlled Road



BLM Ownership

Road To Be Maintained  
By PurchaserRoad To Be Maintained  
By BLM or IndustryRoad To Be Maintained  
Private Industry

NOT TO SCALE

ALWAYS  
THINK  
SAFETY

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

## **SELECTION CRITERIA-DESIGNATION BY DESCRIPTION EXHIBIT E**

The Selection Criteria shown below shall be used by the Purchaser in determining which trees are to be retained and which trees are to be cut and removed.

The Selection of retention and cut trees shall comply with Farout Special Provisions Sec. 40. The Purchaser shall leave all boundary trees, trees marked with orange paint and flagging, hardwood trees, non-hazardous snags, and pre-existing dead and down material in commercial thin harvest units.

Before cutting and removing any trees necessary to facilitate logging in all Harvest Units shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding with removal, the conditions found in Farout Special Provisions Sec. 41(B)(22) must be met. Trees that are removed to facilitate logging do not count toward the leave tree requirements described below.

Prescription changes that occur within internal unit boundaries are designated in the field with a combination of orange and white flagging, as shown on Exhibits E-16 and E-17.

### **UNITS WHERE ½ AC. SAMPLE MARK IS REQUIRED PRIOR TO CUTTING:**

#### **Units 7-1 (11 AC), 7-2 (4 AC), 11-3 (16 AC), 11-4 (33 AC), 13-1 (14 AC), 13-3 (3 AC):**

- Retain forty percent (40%) canopy cover across the harvest unit. Before falling any trees in these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within fourteen feet (14') slope distance of another live conifer with a larger stump diameter. Beyond the fourteen feet (14') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-seven feet (27') slope distance from another conifer leave tree.



- For purposes of treating these units subtract two inches (2") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all cedar.
- Unit boundary trees, orange marked trees and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

**Units 15-1 (28 AC), 15-2 (21 AC):**

- Retain forty percent (40%) canopy cover across the harvest unit as shown on Exhibit E-16. Before falling any trees in these portions of these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (1/2) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- Retain sixty percent (60%) canopy cover across the harvest unit as shown on Exhibit E-16. Before falling any trees in these portions of these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within fifteen feet (15') slope distance of another live conifer with a larger stump diameter. Beyond the fifteen feet (15') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-nine feet (29') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.

- Leave all pine and cedar.
- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

**Units 21-1 (9 AC), 21-3 (8 AC):**

- Retain forty percent (40%) canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within fourteen feet (14') slope distance of another live conifer with a larger stump diameter. Beyond the fourteen feet (14') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-seven feet (27') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all pine and cedar.
- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Unit 23-1 (11 AC):**

- Retain forty percent (40%) canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- Portion of unit west (or up-slope) of BLM Road # 31-9-26.0 as shown on Exhibit E-17:
  - Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within nine feet (9') slope distance of another live conifer with a larger stump diameter. Beyond the nine feet (9') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed seventeen feet (17') slope distance from another conifer leave tree.
  - For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
  - Leave all cedar.
  - Unit boundary trees, orange marked trees and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
  - Retain all hardwoods. Do not include in spacing.
- Portion of unit east (or downslope) of BLM Road # 31-9-26.0 as shown on Exhibit E-17:
  - Same as above but with a 15' slope distance.
  - Do not exceed twenty-seven (27') slope distance from another conifer leave tree.
  - For purposes of treating this part of the unit subtract two inches (2") from the stump diameter of white fir trees when deciding which trees to retain.

### **Unit 23-2 (7 AC):**

- Retain 40% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within fifteen feet (15') slope distance of another live conifer with a larger stump diameter. Beyond the fifteen feet (15') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-nine feet (29') slope distance from another conifer leave tree.
- For purposes of treating these units subtract two inches (2") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all cedar.
- Unit boundary trees, orange marked trees and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Unit 23-4 (12 AC):**

- Retain 40% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.

- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within thirteen feet (13') slope distance of another live conifer with a larger stump diameter. Beyond the thirteen feet (13') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-five feet (25') slope distance from another conifer leave tree.
- For purposes of treating these units subtract two inches (2") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all cedar.
- Unit boundary trees, orange marked trees and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Unit 23-5 (13 AC):**

- Retain 40% canopy cover across portion of unit as shown on Exhibit E-17. Retain 60% canopy cover across portion of unit as shown on Exhibit E-17. Before falling any trees in these portions of these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within thirteen feet (13') slope distance of another live conifer with a larger stump diameter. Beyond the thirteen feet (13') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-five feet (25') slope distance from another conifer leave tree.
- For purposes of treating these units subtract two inches (2") from the stump diameter of white fir trees when deciding which trees to retain.

- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all cedar.
- Unit boundary trees, orange marked trees and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

**Units 29-1 (11 AC), 29-2 (8 AC):**

- Retain 40% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within fifteen feet (15') slope distance of another live conifer with a larger stump diameter. Beyond the fifteen feet (15') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-nine feet (29') slope distance from another conifer leave tree.
- For purposes of treating these units subtract two inches (2") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all cedar.
- Unit boundary trees, orange marked trees and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Unit 35-1 (7 AC):**

- Retain 40% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall conduct a sample mark as outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within sixteen feet (16') slope distance of another live conifer with a larger stump diameter. Beyond the sixteen feet (16') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed thirty-one feet (31') slope distance from another conifer leave tree.
- For purposes of treating these units subtract two inches (2") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all cedar.
- Unit boundary trees, orange marked trees and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

## **UNITS WHERE THE WHOLE UNIT SHALL BE MARKED PRIOR TO CUTTING:**

### **Units 11-2 (35 AC), 11-6 (6 AC):**

- Retain 60% canopy cover across the harvest unit. Before falling any trees in these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within fifteen feet (15') slope distance of another live conifer with a larger stump diameter. Beyond the fifteen feet (15') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-nine feet (29') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all pine and cedar
- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Unit 20-1 (15 AC):**

- Retain 60% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.



- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within twenty feet (20') slope distance of another live conifer with a larger stump diameter. Beyond the twenty feet (20') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed thirty-nine feet (39') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all pine and cedar.
- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

**Units 21-2 (35 AC), 31-3 (14 AC):**

- Retain 60% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within sixteen feet (16') slope distance of another live conifer with a larger stump diameter. Beyond the sixteen feet (16') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed thirty-one feet (31') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all pine and cedar.

- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Unit 23-3 (3 AC):**

- Retain 60% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within twelve feet (12') slope distance of another live conifer with a larger stump diameter. Beyond the twelve feet (12') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-three feet (23') slope distance from another conifer leave tree.
- For purposes of treating these units subtract two inches (2") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all cedar.
- Unit boundary trees, orange marked trees and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Unit 27-1 (3 AC):**

- Retain 60% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized

Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.

- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within thirteen feet (13') slope distance of another live conifer with a larger stump diameter. Beyond the thirteen feet (13') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed twenty-five feet (25') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all pine and cedar.
- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Units 27-2 (16 AC), 27-4 (8 AC):**

- Retain 40% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within twenty feet (20') slope distance of another live conifer with a larger stump diameter. Beyond the twenty feet (20') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed thirty-nine feet (39') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.

- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all pine and cedar.
- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

**Units 27-3 (17 AC), 31-4 (2 AC):**

- Retain 60% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within eighteen feet (18') slope distance of another live conifer with a larger stump diameter. Beyond the eighteen feet (18') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed thirty-five feet (35') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all pine and cedar.
- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain all hardwoods. Do not include in spacing.

### **Unit 31-2 (17 AC):**

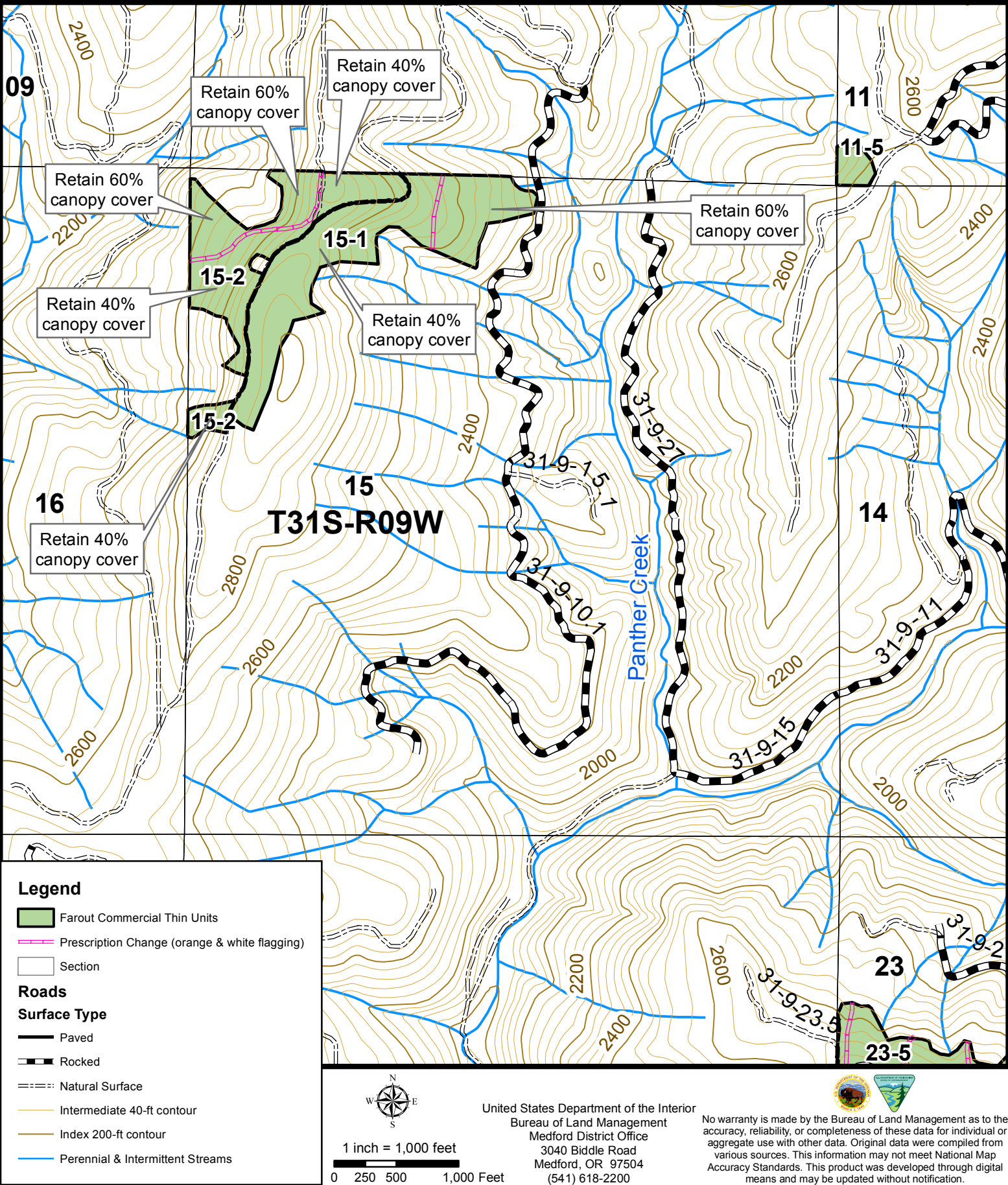
- Retain 40% canopy cover across the harvest unit. Before falling any trees in these portions of these units, the Purchaser shall mark the entire unit as outlined in Exhibit E. Identification of leave trees may be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
- Remove all conifers (see species to be retained below) that meet merchantable specifications in Exhibit B that are within sixteen feet (16') slope distance of another live conifer with a larger stump diameter. Beyond the sixteen feet (16') slope distance spacing, leave the next closest conifer with the largest stump distance and repeat the spacing mark. Do not exceed thirty-one feet (31') slope distance from another conifer leave tree.
- For purposes of treating these units subtract four inches (4") from the stump diameter of white fir trees when deciding which trees to retain.
- For trees with two stems, the diameter at stump height shall determine whether the tree is a take or a leave tree.
- Leave all pine and cedar.
- Remove all conifers (except pine and cedar) that meet merchantable specifications in Exhibit B that are within forty feet (40') of pine marked by two orange bands and the number "40".
- Unit boundary trees, orange marked trees, pine and cedar may be included in the spacing **IF** they would be selected for leave based on stump diameter.
- Retain but do not include conifers marked by two orange bands and an "I" in spacing.
- Retain all hardwoods. Do not include in spacing.

### **DEFINITIONS:**

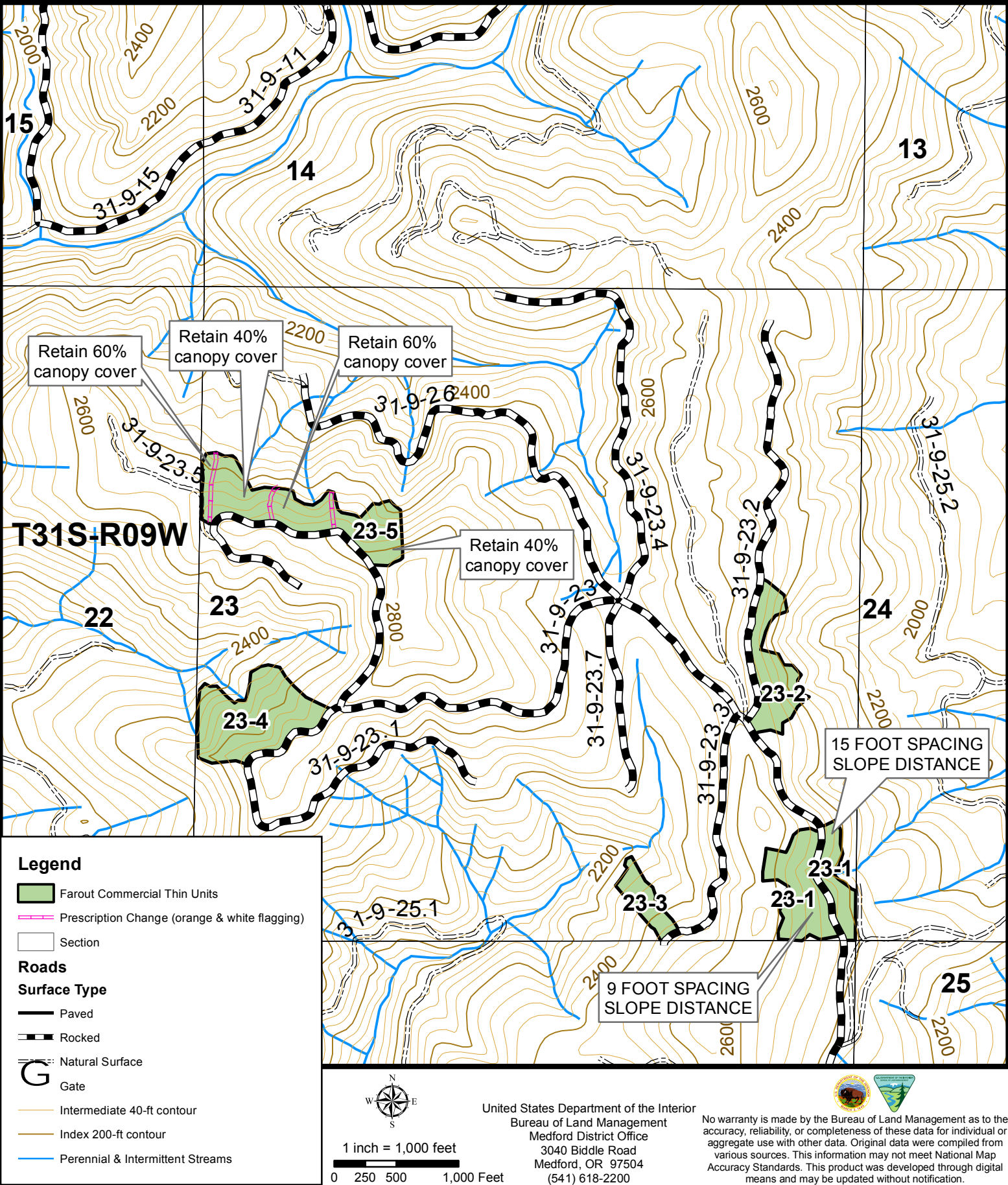
-Distances between trees are measured slope distances, outside bark at stump height to outside bark at stump height at the closest face between trees. DXD stump height is four (4) inches on the high side of the tree and is used only for measurement purposes and not to be confused with the contract felling stump height.

-Diameter breast height outer bark (DBHOB) is measured at four point five (4.5) feet above the ground on the uphill side of the tree. Diameters are measured perpendicular to the bole of the tree.

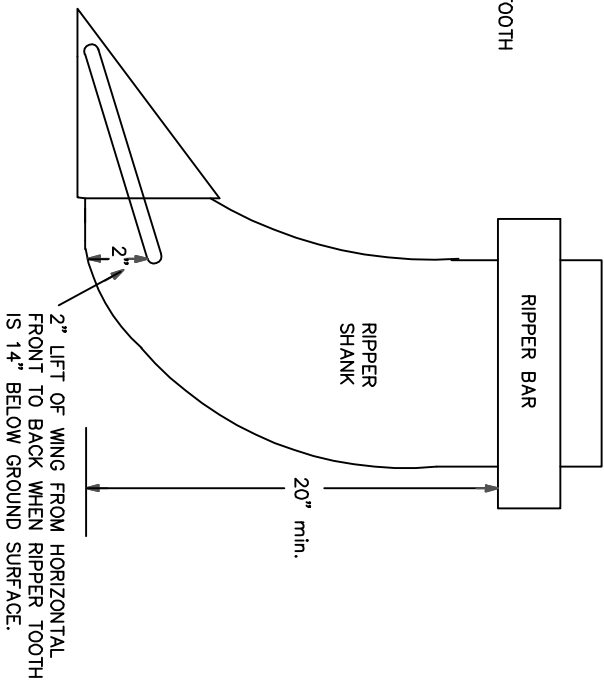
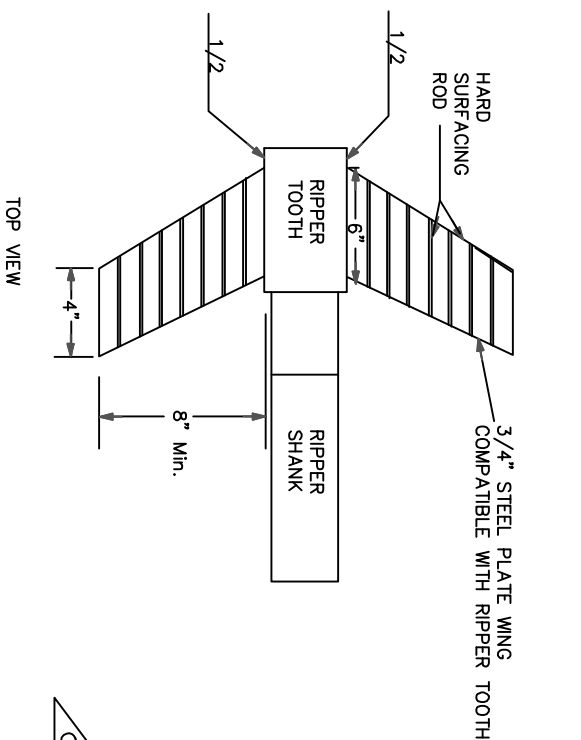
-All trees determined to be removed by these guidelines cannot be used to remove another tree with a smaller stump diameter.



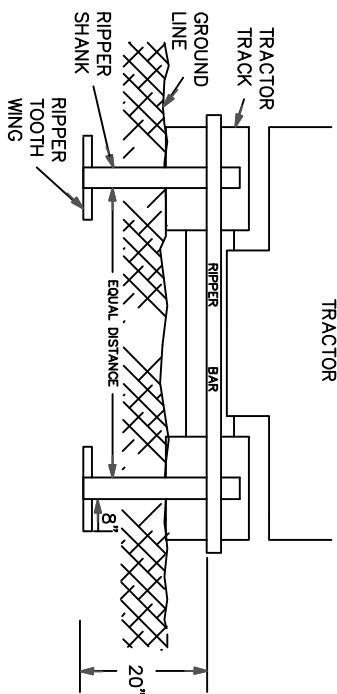








TYPICAL RIPPER POSITION



SIDE VIEW

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

WING RIPPER DETAIL

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

DESIGNED	
REVIEWED	
APPROVED	
CHIEF, DIVISION OF ENGINEERING AND SURVEY SERVICES	
DRAWN: JWR	SCALE: NONE
DATE: October 2009	SHEET 1 OF 1
DRAWING NO.	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SCALE SALE

Name of Bidder
Tract Number OR110-TS11-09
Sale Name
Farout
Sale Notice (dated) 08/24/2011
BLM District Medford

<input type="checkbox"/> Sealed Bid for Sealed Bid Sale	<input checked="" type="checkbox"/> Written Bid for Oral Auction Sale
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In response to the above dated Sale Notice, the required deposit and bid are hereby submitted for the purchase of designated timber/vegetative resource on the tract specified above.

Required bid deposited is **\$41,100.00** 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	5456	X	=	X	=
White fir	MBF	521	X	=	X	=
Incense-cedar	MBF	1	X	=	X	=
<b>TOTAL</b>		<b>5978</b>	X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
TOTAL PURCHASE PRICE						

(Continued on reverse)

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

Bid submitted on *(date)*

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

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

### NOTICE

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

**AUTHORITY:** 38 FR 6280 and 43 CFR 5442.1

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

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

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

## INSTRUCTIONS TO BIDDERS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

10. **PERFORMANCE BOND** –

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

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

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

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

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

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

\*Applies to Timber Only

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

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

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

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

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