

P R O S P E C T U S

BUTTE FALLS RESOURCE AREA
JACKSON MASTER UNIT

Medford Sale # OR110-TS11-19
September 15, 2011 (TG)

2 SKELETON MOUNTAIN, Jackson County, O&C

BID DEPOSIT REQUIRED: **\$14,200.00**

All timber designated for cutting in SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 33, T.32S., R.2 W.; Govt. Lot 2, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, Govt. Lot 3, Section 5, W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, Govt. Lot 3, E $\frac{1}{2}$ NW $\frac{1}{4}$, Govt. Lot 1,2, Section 7, SE $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 9, T.33 S., R.2 W.; SE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, Section 1, NW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, Section 3, S $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 4, SE $\frac{1}{4}$ NE $\frac{1}{4}$, Govt. Lot 3, S $\frac{1}{2}$ NW $\frac{1}{4}$, Govt. Lot 4, Section 5, NE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 7, SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 8, NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 9, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, Section 11, SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 17, NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 20, W $\frac{1}{2}$ NW $\frac{1}{4}$, Section 21, T.33 S., R.3 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
9916	2369	4946	Douglas-fir	2931	\$40.20	\$117,826.20
2081	546	1122	White fir	675	**\$32.30	\$21,802.50
337	42	95	Western Hemlock	52	**\$31.20	\$1,622.40
97	4	11	Incense-cedar	5	\$38.60	\$193.00
12	3	7	Ponderosa pine	4	**\$26.50	\$106.00
8	3	5	Sugar pine	3	**\$35.30	\$105.90
12451	2967	6186	Totals	3670		\$141,656.00

*Stumpage values have been determined by market value estimates and analytical appraisal methods were used to compute the appraised price. Additional information concerning the appraised price is available at the Medford 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 - Douglas-fir, White fir, Western Hemlock have been cruised using the 3-P sampling methods to select sample trees. Maps showing the location and description of these sample trees are available at the Medford District Office. The sample trees have been measured using the volt system of measurement, and the volume expanded to a total sale volume.

The volume of Sugar pine, Ponderosa Pine, and Incense Cedar in this sale has been derived

from Sample Tree Random (STR) cruise using form class tables for estimating board foot volume of trees in 16-foot logs.

With respect to merchantable trees of all conifer species: the average tree is 16.7 inches DBHOB; the average gross merchantable log contains 80 bd. ft.; the total gross volume is approximately 4,135 M bd. ft; and 89% recovery is expected(Average DF is 16.8 inches DBHOB; average gross merchantable log DF contains 80 bd. ft.).

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.

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

The BLM has revised the log export restrictions special provision to reduce the log branding and painting requirements. The new requirements include branding of one end of all logs with a scaling diameter of over 10 inches. All loads of 11 logs or more, regardless of the diameter of the logs, will have a minimum of 10 logs branded on one end. All logs will be branded on loads of 10 logs or less. One end of all branded logs will be marked with yellow paint. At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. The Purchaser shall bear any increased costs for log branding and painting.

CUTTING AREA – Fifty Six (56) units containing five hundred and three (504) acres must be thinned, and seven (7) temporary road Right of way acres must be clear-cut.

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 public roads and through the contract area using BLM Roads and Right-of-way and Road Use Agreement M2000 with Plum Creek, Indian Hill, Silver Butte, State of Oregon and United States Forest Service. Among other conditions, this agreement requires 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 49.59 miles of existing roads. BLM will maintain 27.13 miles of road(s). The Purchaser will be required to pay a maintenance and rockwear fee of \$7.47 per MBF or a total of \$27,418.20 for the use of these roads.

SOIL DAMAGE PREVENTION - Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall not operate or cause to have operated on the contract area any tractor-type logging equipment when soil moisture content at six (6) inch depth exceeds twenty five (25) percent by weight as determined by the oven dry method.

EQUIPMENT REQUIREMENTS - - A yarding tractor not greater than 9 feet in track width equipped with a integral arch and winch system capable of lining logs at least 75 feet (150 feet in special yarding areas). A tractor equipped with winged-toothed rippers. A skyline yarder capable of one end suspension of logs during in-haul and with a minimum lateral yarding capability of 75 feet while maintaining a fixed position of the carriage during lateral in-haul.

SLASH DISPOSAL - Slash disposal will consist of 150 acres of lop and scatter.

CONTRACT TERMINATION - A revised Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or

animal species, and /or to modify or terminate the contract when necessary to:

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

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

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

OTHER –

1. No extension of time beyond the normal 30 days will be granted for completing bonding and contract signing requirements.
2. Various seasonal restrictions are placed on this sale.
3. There is a 44 foot log length restriction.
4. Directional falling is required.
5. Cleaning of equipment to eliminate noxious weed seeds is required prior to move-in of equipment onto federal lands.
6. Designated skid roads are required on all tractor units.
7. Ripping of temporary roads, and landings is required.
8. Dust abatement is required.
9. Purchaser should be aware that logging residue reduction costs listed under SD-5 are in addition to costs assessed under SD-4. Refer to the appraisal for total assessed costs of logging residue reduction.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA – From the town of Eagle Point, Head north approximately 3 miles to the junction of Hwy 62 and Hwy 234. Turn left onto Hwy 234 and proceed west for approximately 4 miles to the junction of Hwy 234 and Antioch road (Rainey's Corner) . Turn right onto Antioch road and proceed north for approximately 7 miles to the junction of Antioch road and East Evans Creek road. Turn right on East Evans Creek road to reach the east side of the sale area and units 1-1, 1-2, 1-3, 1-4, 5-1E, 7-1E7-2E, 7-3E, 7-4E, 7-5E,7-6E, 7-7E, 9-1E, 9-2E, 9-3E, 9-4E, 9-5E, 33-1, AND 33-2. To access the west side of the sale area and the remaining units in the sale, turn left at the junction of Antioch road and East Evans Creek road and proceed west on East Evans Creek road for approximately 5 miles to the junction of East Evans Creek road and West Evans Creek road. Turn right onto West Evans Creek road and proceed for approximately 5 miles to the junction of West Evans Creek road and Rock Creek road (33-3-34.1). From this point the west side of the sale area can be accessed from the Rock Creek road system or by continuing along West Evans Creek road to Goolaway Gap. From the Goolaway Gap saddle turn right on to the 33-3-3 road and enter the west side of the sale area.

ENVIRONMENTAL ASSESSMENT - An environmental assessment (DOI-BLM-OR M050-2010-0002-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

Sheet 1 of 1

Skeleton Mtn

OR110-TS-11-19

 *Possible Waived Times are Hatched

 *Restricted Times are Shaded

Sale Area	Activity	Jan		Feb		Mar		Apr		May		June		July		Aug		Sept		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: 3-4,	Tractor yarding, Soil ripping, and roadside brushing ^{1,2,3}																								
	Hand Falling and Bucking ³																								
	Hauling of logs, or rock ^{1,2,3}																								
	Fuels Treatment ³																								
Units: 1-3, 4-1, 4-3, 4-10, 4-13, 7-1, 7-1E, 9-2E, 9-3, 9-4E, 9-5, 20-2A, 20-2B	Tractor yarding and soil ripping ^{1,2,}																								
	Hand Falling and Bucking																								
	Hauling of logs, or rock ^{1,2,}																								
	Fuels Treatment																								
Units: All Skyline Units	Skyline yarding ^{1,2,}																								
	Hand Falling and Bucking																								
	Hauling of logs, or rock ^{1,2}																								
	Fuels Treatment																								
Roads and Landings:	Construction ^{1,2,}																								
	Renovation ^{1,2,}																								
	Decommissioning ^{1,2,}																								
	Road side brushing ^{1,2,}																								

¹ Wet season restrictions may be shortened or extended depending on weather conditions.

² Hauling restriction may be shortened or extended depending on adequacy of road surfacing

³ Spotted Owl seasonal restrictions from March 1through September 30 may be shortened if it is determined that spotted owl nesting and/or fledgling activities are not occurring in the area.

SKELETON MOUNTAIN
SPECIAL PROVISIONS

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

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

- (A) AR-1 All timber on the Reserve Area(s) as shown on Exhibit A and all orange painted and posted trees which are on or mark the boundaries of the Reserve Area(s).
- (B) IR-2 All timber except approximately twelve thousand four hundred and fifty one (12,451) trees marked for cutting heretofore by the Government with blue paint above and below stump height all units as shown on Exhibit A.
- (C) IR-8 All standing timber except trees in posted and painted road or landing right-of-way clearing limits as shown on Exhibit A.

SKELETON MOUNTAIN
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 (8¾) inches in thickness; (3) split or round bolts or other roundwood not processed to standards and specifications suitable for end-product uses; or (4) western red cedar lumber which does not meet lumber of American Lumber Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 Common or better. Thus, timber manufactured into the following will be considered processed: (1) lumber and construction timber, regardless of size, manufactured to standards and specifications suitable for end-product uses; (2) chips, pulp, and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacturing of eight and three-quarters (8¾) inches in thickness or less; (6) shakes and shingles.

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

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

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

In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party

SKELETON MOUNTAIN
SPECIAL PROVISIONS

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

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

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

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

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

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

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

**SKELETON MOUNTAIN
SPECIAL PROVISIONS**

(B) Logging

- (1) L-1 Before beginning operations on the contract area for the first time or after a shutdown of seven (7) days or more, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of seven (7) or more days.
- (2) L-6 All trees designated for cutting shall be felled and cut into log lengths not to exceed forty-four (44) feet before being yarded in all units as shown on Exhibit A
- (3) L-6M All logs shall be completely limbed prior to being yarded in all units as shown on Exhibit A
- (4) L-7MC Yarding on the areas designated herein and shown on Exhibit A shall be done in accordance with the yarding requirements or limitations for the designated area.

Designated Area	Yarding Requirements or Limitations
<u>Tractor Yarding</u> Units: 1-3, 3-4, 4-1, 4-3, 4-10, 4-13, 7-1, 7-1E 9-2E, 9-3, 9-4E, 9-5, 20-2A, 20-2B	Yarding tractor width will not be greater than twelve (12) feet as measured from the outer edges of the standard width dozer blade in the straight position, or nine (9) feet as measured from the outer edges of standard width track shoes. Yarding tractors will be equipped with integral arches and winch systems capable of lining logs at least seventy five (75) feet. No front-end loaders are permitted. No yarding up or down draw bottoms is permitted Designate skid trails at an average of one hundred and fifty (150) foot spacing in order to minimize ground disturbance. The location of the tractor skid roads must be clearly designated on the ground, at locations approved by the Authorized Officer.
Special Yarding Area Units: 9-3, 9-5, 4-13, 4-12 (skyline unit)	No tractor operations are permitted within the special yarding areas located within these units as shown on Exhibit A. Equipment used in these units must be capable of lining logs approximately 150 ft. in order to remove logs

**SKELETON MOUNTAIN
SPECIAL PROVISIONS**

	<p>No tractor yarding is permitted when soil moisture content at six (6) inch depth exceeds twenty five (25) percent by weight as determined by the oven dry method. Yarding and mechanical harvesting will be further limited in accordance with Section 25 if detrimental soil damage is occurring, as determined by the authorized officer.</p> <p>Where skid trails encounter course woody debris (CWD) sixteen (16) inches and larger at the small end, a section of the CWD is to be bucked out for equipment access. The bucked out portion shall be as narrow as operationally feasible, (maximum of fourteen (14) feet). The remainder of the CWD shall be left in place and not disturbed.</p> <p>Log landing size shall not exceed one-quarter (¼) acre.</p>
--	---

Designated Area	Yarding Requirements or Limitations
<p><u>Skyline Yarding</u></p> <p>Units:</p> <p>1-1, 1-2, 1-4, 3-1, 3-2, 3-3, 4-2, 4-4A, 4-4B, 4-5, 4-6, 4-7, 4-8, 4-9, 4-11, 4-12, 4-15, 5-1, 5-1E, 5-2, 5-3, 7-2E, 7-3E, 7-4E, 7-5E, 7-6E, 7-7E, 8-1, 9-1, 9-1E, 9-2, 9-3E, 9-4, 9-5E, 9-6, 9-7, 9-8, 11-1, 20-1, 21-1, 33-1, 33-2</p>	<p>Yarding will be done with a cable yarding system which will suspend one end of the log clear of the ground during inhaul on the yarding corridor.</p> <p>A carriage is required which will maintain a fixed position on the skyline during lateral yarding and has a minimum lateral yarding capability of seventy-five (75) feet.</p> <p>No downhill yarding is allowed</p> <p>Yarding corridors will be perpendicular to the contours.</p> <p>Prior to falling any timber in the unit, all tail/lift trees and/or intermediate support trees shall be identified by the purchaser and approved by the authorized officer.</p> <p>The width of the skyline corridors shall be as narrow as operationally feasible (maximum of fifteen [15] feet).</p> <p>Construct hand waterbars in cable yarding corridors where gouging occurs immediately after use , as directed by the authorized officer</p> <p>Apply native seed and certified weed-free straw mulch to skyline-cable yarding corridors where yarding logs to the</p>

SKELETON MOUNTAIN
SPECIAL PROVISIONS

Designated Area	Yarding Requirements or Limitations
	roads results in extended soil surface exposure, as directed by the authorized officer

- (5) L-11 No new landings shall be located within riparian reserves or wet areas as shown on Exhibit A.
- (6) L-18 No tractor yarding and soil ripping operations shall be conducted between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive, or when soil moisture exceeds 25 percent.
- (7) L-18 No cable yarding shall be conducted in all units between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive, or when soil moisture exceeds 25 percent.
- (8) L-18 No landing operations, hauling of logs or rock shall be conducted on paved roads 34-3W-24 (West Fork Evans Creek), 33-3W-34.1 (Rock Creek), 33-2W-33 (East Fork Evans Creek) whenever soil moisture conditions or rain events could result in road damage or the transport of sediment to nearby stream channels between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive.
- (9) L-18 No landing operations, hauling of logs or rock shall be conducted on all natural surfaced and rock roads between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive.
- (10) L-18 No road construction, renovation, culvert removal, culvert replacement, road decommissioning, and closure work shall be conducted within the contract area between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive.
- (11) L-18a No harvesting activities, roadside brushing, in unit 3-4 shall be conducted between March 1 and September 30, both days inclusive. This restriction will not apply if it can be shown from spotted owl surveys conducted in accordance with accepted standards that spotted owl nesting and/or fledgling activities are not occurring during the year of harvest.
- (12) L-20 During logging operations, the operator shall keep the 34-3w-24 (West Fork Evans Crk), and the 33-2w-33 (East Fork Evans Crk) roads, where they pass through the contract area, clear of trees, rock, dirt, and other debris so far as practicable. These roads shall not be blocked for more than ten (10) minutes.
- (13) L-24 Prior to the commencement of operations, the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan

SKELETON MOUNTAIN
SPECIAL PROVISIONS

commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A pre-work 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.

- (14) L-26 In the contract area shown on Exhibit A, all trees designated for cutting which are within one hundred seventy five (175) feet of the unit boundary shall be felled away from the unit boundary. The Purchaser shall notify the Authorized Officer three (3) days before beginning felling operations in the above area(s).
- (15) L-26 In the contract area shown on Exhibit A, all trees designated for cutting which are within one hundred seventy five (175) feet of a private property line shall be felled away from the private property line. The Purchaser shall notify the Authorized Officer three (3) days before beginning felling operations in the above area(s).
- (16) L-26 In the contract area shown on Exhibit A, all trees designated for cutting which are within one hundred seventy five (175) feet of the corner monument shall be felled away from the corner monument. The Purchaser shall notify the Authorized Officer three (3) days before beginning felling operations in the above area(s).
- (17) L-26 In the contract area shown on Exhibit A, all trees designated for cutting which are within one hundred seventy five (175) feet of the riparian reserves, shall be felled away from the riparian reserves. The Purchaser shall notify the Authorized Officer three (3) days before beginning felling operations in the above area(s).
- (18) L-26 In the contract area shown on Exhibit A, all trees designated for cutting which are within one hundred seventy five (175) feet of any plant buffer shall be felled away from the plant buffer. The Purchaser shall notify the Authorized Officer three (3) days before beginning felling operations in the above area(s).
- (19) L-28 In skyline units 1-1, 1-2, 1-4, 3-1, 3-2, 3-3, 4-2, 4-4A, 4-4B, 4-5, 4-6, 4-7, 4-8, 4-9, 4-11, 4-12, 4-15, 5-1, 5-1E, 5-2, 5-3, 7-2E, 7-3E, 7-4E, 7-5E, 7-6E, 7-7E, 8-1, 9-1, 9-1E, 9-2, 9-3E, 9-4, 9-5E, 9-6, 9-7, 9-8, 11-1, 20-1, 21-1, 33-1, 33-2 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 tail hold to protect advance reproduction and/or reserve trees and snags present on these areas.
- (20) L-33 In accordance with the requirements of Sec. 8 of the contract it has been determined that it is in the best interest of the Government and within the

SKELETON MOUNTAIN
SPECIAL PROVISIONS

provisions of 43 CFR 5402.0-6 to sell additional timber located in or adjacent to all units as shown on Exhibit A, which is obstructing needed cable yarding roads, ground based yarding skid roads, hazardous to workers, needed for guyline, tailhold, and/or tieback trees, or severely damaged from the normal conduct of felling or yarding operations to meet all applicable State safety laws, codes or regulations. This timber must be cut or removed so that the Purchaser can continue active falling and yarding operations. The Purchaser is, therefore, authorized to cut and remove such additional timber in accordance with the provisions of Section 8 of the contract: provided, however, that:

- (a) Trees reserved for the tree improvement program and trees reserved for the wildlife habitat objectives under Sec. 40 of the contract are not included in the authorization.
- (b) The Purchaser shall identify each tree sold and cut in accordance with the provision by marking the cut surface of the stump immediately after falling with a large "X". The "X" shall be cut with a chain saw. The stump shall be marked by hanging red fluorescent flagging near the stump so that the stump can be visually located from a distance of not less than one hundred (100) feet.
- (c) The volume and price for such timber shall be determined by the Authorized Officer in accordance with Bureau of Land Management

prescribed procedures and paid for by the Purchaser in accordance with Sec. 3(a) or 3(c) of the contract as required by Sec. 8 of the contract.

- (d) No timber may be cut or removed under the terms of this provision if all contract payments required by Sec. 3(a) or 3(c) of the contract have been made.
- (e) The permission to cut and remove additional timber contained in this provision may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser:
 - 1. Failed to properly mark any stump with the "X" cut.
 - 2. Failed to identify the location of any stump.
 - 3. Cut any tree that was reserved for tree improvement and/or wildlife habitat.
 - 4. Cut any tree in or adjacent to cable yarding corridors that was not necessary to facilitate cable yarding.
 - 5. Cut any reserve tree in or adjacent to tractor skid roads that was not necessary to facilitate ground based yarding.

SKELETON MOUNTAIN
SPECIAL PROVISIONS

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

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

If the permission to cut and remove additional timber provision is withdrawn, the Purchaser shall inform the Authorized Officer at least two working days prior to the need for cutting and yarding any guyline tree, tailhold tree, tie-back tree, danger tree, corridor tree, pulled over tree, and severely damaged tree. All sales of additional timber shall comply with Section 8 of the contract.

The Contracting Officer may order the Purchaser, in writing, to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the Government to safely measure and mark additional timber.

All cable-yarding and ground based equipment skid roads upon which timber may be cut and removed in accordance with this special provision must be needed for the removal of timber sold under this contract and shall be limited to the narrowest width necessary for the yarding of logs with minimum damage to reserved trees. The Purchaser shall be liable for damages in accordance with Sec. 13 of the contract for any reserved timber cut or removed in violation of the terms of this special provision.

**SKELETON MOUNTAIN
SPECIAL PROVISIONS**

(C) Road Construction - Maintenance – Use

- (1) RC-1a The Purchaser shall maintain all roads and other structures in strict accordance with the plans and specifications shown on Exhibit D, which is attached hereto and made a part hereof.
- (2) RC-1b Prior to removal of any timber, except right-of-way timber from each Unit, the Purchaser shall complete all construction, improvement, or renovation of structures and road(s) to that unit, as specified in Exhibit C.
- (3) RC-2 The Purchaser is authorized to use the road listed below and shown on Exhibit C which is under the jurisdiction of the Bureau of Land Management, for the removal of Government timber sold under the terms of this contract, provided that the Purchaser pay the required maintenance obligations described in Section 41(C)(6). 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
33-2-33	4.28	BLM	BST
33-3-34.1	6.45	BLM	BST
34-3-24	16.40	BLM	BST
Total Miles	27.13		

- (4) RC-2a The Purchaser is authorized to use the road(s) listed below and shown on Exhibit D-1 which are under the jurisdiction of the Bureau of Land Management and/or Indian Hill and/or Silver Butte and/or Plum Creek and/or Forest Service and/or State of Oregon 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)(10) and pay the required rockwear obligation described in Section 41(C)(9). 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
32-2-33.2	0.07	BLM	ASC
32-2-33.8	0.64	BLM	ASC
32-3-31	0.12	BLM	ASC
33-2-4.0	2.00	BLM	ASC
33-2-7.0	0.42	BLM	ASC
33-2-7.1	1.85	BLM	ABC

**SKELETON MOUNTAIN
SPECIAL PROVISIONS**

33-2-7.2	1.00	BLM	ASC
33-2-7.2B	0.73	Plum Creek	ASC
33-2-7.4	0.27	BLM	NAT
33-2-7.5	0.25	BLM	NAT
33-2-9.0	0.41	BLM	ASC
33-2-9.3	1.57	BLM	PRR
33-2-17.0 A	1.21	BLM	ASC
33-2-17.0B	0.35	Indian Hill	ASC
33-2-20.0	4.15	BLM	ASC
33-2-33.0	4.01	BLM	ASC
33-3-1.0	0.28	BLM	ASC
33-3-1.1	0.03	BLM	ASC
33-3-1.5	0.95	BLM	ASC
33-3-2.0	2.13	BLM	ASC
33-3-3.0	7.92	BLM	ASC
33-3-3.1	2.40	BLM	ASC
33-3-3.2	0.07	BLM	ASC
33-3-4.0	0.74	BLM	ASC
33-3-4.1	0.88	BLM	ASC
33-3-4.4	0.30	BLM	ASC
33-3-8.0	1.27	BLM	ASC
33-3-8.1	0.79	BLM	ASC
33-3-9.0	0.40	BLM	ASC
33-3-9.1	0.90	BLM	ASC
33-3-9.3	0.05	BLM	ASC
33-3-10.0	0.68	Silver Butte	ASC
33-3-11.6	0.34	BLM	ASC
33-3-12.1 A3	0.30	State of Oregon	ASC
33-3-12.1 B	0.32	BLM	ASC
33-3-12.2	1.02	BLM	ASC
33-3-22.1	3.80	BLM	ASC
33-3-30.1	4.08	BLM	ASC
FS 200	0.35	BLM	ASC
FS 300	0.19	USFS	ASC
FS 310	0.11	USFS	ASC
FS 635	0.13	USFS	ASC
FS 636	0.11	USFS	ASC
Total Miles	49.59		

SKELETON MOUNTAIN
SPECIAL PROVISIONS

- (5) RC-2b With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users on road(s) included in Section 41(C)(4) of this contract; provided that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of such roads resulting from wear or damage, in accordance with this contract. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.
- (6) RC-2C The Purchaser shall pay the Government a road maintenance obligation in the amount of Eighteen thousand nine hundred eighty and 95/100 dollars \$18,980.95 for the transportation of timber included in the contract price and for the transportation of any mineral material required under the terms of the contract over road or roads listed in section 41(C)(3).

The above road maintenance amount is for use of 27.13 miles of road or less. Unless the total maintenance amount is paid prior to commencement of operations on the contract area, payments shall be made in installments of not less than five hundred dollars (\$500.00); payable in the same manner as and together with payments required in Sec. 3 of this contract.

- (7) RC-2d The Purchaser shall be authorized to use other roads not included in Section 41(C)(3) and/or Section 41(C)(4) provided, that in the use of such road(s), the Purchaser shall pay the Government current Bureau of Land Management road maintenance and/or rockwear fees for the particular surface type of the road(s) 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.

Section 41(C)(6) and Section 41(C)(9) of this contract shall be amended to include adjustments of fee obligations.

- (8) 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

SKELETON MOUNTAIN
SPECIAL PROVISIONS

surface type of the road(s) 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)(4). The Purchaser shall pay the total maintenance amount for said road(s) within thirty (30) days following receipt of written notice; provided, however, that if the total amount exceeds five hundred 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.

- (9) RC-2g The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of eight thousand four hundred thirty seven and 25/100 dollars (\$8,437.25) for the transportation of timber included in the contract price and for transportation of any mineral material required under terms of the contract over road or roads listed in Section 41(C)(4). The amount of the rockwear shown above shall be paid prior to removal of timber from the contract area. provided, however, that if the total of such amount exceeds five hundred and no/100 dollars (\$500.00), the Purchaser may elect to make the payment in installments in the same manner as and together with payments required in Section 3 of this contract.

The above rockwear fee is for 49.59 miles of road or less.

- (10) RC-2h Except for road maintenance in accordance with Section 41(C)(11-15), 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.
- (11) RC-3 In the use of road No.(s) 33-2-17 B the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-2000 dated May 26th 2000 between the United States of America and Indian Hill, LLC. These conditions include: Payment to Indian Hill, LLC, an estimated road maintenance and rockwear obligation of two hundred ten and 09/100 \$210.09 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 road(s), the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.
- (12) RC-3 In the use of road No.(s) 33-3-10, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-2000 dated May 26th 2000 between the United States of America and Silver Butte. These conditions include: Payment to Silver Butte an estimated road maintenance and

SKELETON MOUNTAIN
SPECIAL PROVISIONS

rockwear obligation of one hundred forty one and 15/100 dollars (\$141.15) 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.

- (13) RC-3 In the use of road No.(s) 33-2-7.2 the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-2000 dated May 26th 2000 between the United States of America and Plum Creek. These conditions include: Payment to Plum Creek, an estimated road maintenance and rockwear obligation of five hundred thirty six and 52/100 dollars (\$536.52) 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 road(s), the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.
- (14) RC-3a In the use of road No. FS 200, 300, 310, 635, 636, the Purchaser shall comply with the conditions of the Bureau of Land Management and Forest Service Interagency Right-of-Way and Road Use Agreement dated May 20, 1980, Exhibit A, Agreement 812-S. The conditions include: Payment to the Forest Service a road maintenance obligation for rockwear in the amount of thirty nine and 30/100 dollars (\$39.30) for the transportation of timber.
- (15) In the use of road no. 33-3-12.1A3, the Purchaser shall comply with the conditions of the License Agreement between the United States of America and the Oregon Department of Forestry. The document is available for inspection at the Bureau of Land Management, Medford District Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of the road, the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement.
- (16) 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

SKELETON MOUNTAIN
SPECIAL PROVISIONS

for allowances for amortization of the Government's share of the capital investment of any such road.

- (17) 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 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. Such plan shall include identification of Purchaser's representatives responsible for supervising initial containment action for releases and subsequent cleanup. In addition, such plan shall follow all applicable State of Oregon Department of Environmental Quality guidelines for spill prevention and containment of petroleum products (Oregon Administrative Rules, Chapter 340, Department of Environmental Quality, Division 142, Oil and Hazardous Materials Emergency Response Requirements).
- (2) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall not store, or cause to have stored, any fuel or other petroleum

SKELETON MOUNTAIN
SPECIAL PROVISIONS

products inside any riparian reserve area. All petroleum products shall be stored in durable containers and located so that any accidental release will be contained and not drain into any stream system. Refueling of equipment shall be done outside of riparian reserve areas.

- (3) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall only be allowed to use logging, construction, rock crushing, chipping, shredding or grinding and/or transportation equipment that is free of noxious weed seeds prior to entering federal lands in the contract area as shown on Exhibit A.

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

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

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

- (4) E-1 In addition to the requirement set forth in Sec. 25 of this contract and as directed by the Authorized Officer, the Purchaser shall construct skid trail barricades in all units as shown on Exhibit A. Barricades shall be located where skid trails take off of system roads and constructed by pulling slash, logs, and other native debris across the trail for the first 100 feet of skid trail to effectively inhibit access by all terrain vehicles. Barricades shall be in place by October 15 of each calendar year.
- (5) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall construct road barricades as specified on Exhibit C, at locations shown on Exhibit A, and wherever an existing barricade has been removed to provide for harvest access. Barricades shall be in place by October 15 of each calendar year.
- (6) E-1 In addition to the requirements set forth in Sec. 25 of this contract, the Purchaser shall;

SKELETON MOUNTAIN
SPECIAL PROVISIONS

- (a) Use a minimum 200 flywheel horsepower tractor with mounted rippers having shanks and teeth consistent with drawings and specifications shown on Exhibit R of this contract, which is attached hereto and made a part hereof.
 - (b) Rip to a depth of eighteen (18) inches.
 - (c) Ripping will not occur unless soil moisture content is twenty-five (25) percent or less (at a six (6) inch depth) as determined by the oven-dry method.
 - (a) Rip all temporary roads (and associated landings), and pre-designated skid trails, by October 15 of the year operations are completed as shown on Exhibit A. If hauling on a temporary spur road is not completed in the same year the road is constructed, the road will be blocked by October 15. Rip all tractor landings in units 4-10, and 4-13 (Deferred watershed) by October 15.
 - (b) Seed and mulch all temporary roads (and associated landings), and pre-designated skid trails by October 15 of the year logging operations are completed as shown on Exhibit A. Landings in units 1-3, 3-4, 4-1, 4-3, 4-10, 4-13, 7-1, 7-1E, 9-3, 9-5, 20-2A, 20-2B will be seeded and mulched for a distance of one hundred (100) feet above or below the landings and portions of skid trails that intersect logging roads (fragile soils). Seed and mulch will be provided by the BLM. The Purchaser shall apply the seed at a rate of fifteen (15) lbs./acre and the straw at a rate of two thousand (2,000) lbs./acre.
 - (c) water-bar all skid roads, used for logging activities by October 15 of the year operations are completed in all units shown on Exhibit A.
- (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-8, 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.
- (9) E-4 The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:

SKELETON MOUNTAIN
SPECIAL PROVISIONS

- (1) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or reinitiation of consultation is required concerning the species prior to continuing operation, or;
- (2) when, in order to comply with the Endangered Species Act, or to protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan (RMP), the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (3) federal proposed, federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
- (4) other active raptor nests have been discovered, and a determination is made that continued operations under this contract would adversely affect the present use of the discovered nesting area by the raptor, or;
- (5) when, in order to comply with a court order which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;
- (6) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (7) species have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;
- (8) when, in order to protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

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

SKELETON MOUNTAIN SPECIAL PROVISIONS

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.

The 30 days can be the sum of days accruing during more than one operating season. Reappraisal may result in a decrease to the unit price bid per species. Reappraisal will be based on the loss of net volume due to the deterioration of logs during the period of delay and any associated changes in the amortization of logging costs per unit of volume, as determined by the Authorized Officer. Amortization of road construction cost over a reduced net volume will be considered as well as any additional move-in or logging costs caused by the delay, as determined by the Authorized Officer. Reappraisal will adjust Exhibit B volume and values, and will not consider changes in the market price of timber.

SKELETON MOUNTAIN SPECIAL PROVISIONS

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

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

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

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

- (10) E-5 The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Authorized Officer that a

SKELETON MOUNTAIN
SPECIAL PROVISIONS

spotted owl has been located in the sale area. Discontinued operations may be resumed upon receipt of written instructions and authorizations by the Authorized Officer.

- (11) E-6 The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year in which operations are expected to take place on the contract area 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 in unit 3-4 to determine whether spotted owls are nesting within 0.25 miles of the harvest units to be logged using ground based logging systems. If it is determined that spotted owls are not nesting or that no young have been produced, the Authorized Officer may lift the seasonal restriction on such operations in writing. Without this written approval, such operations are prohibited from March 1 through September 30 of each year.

(E) Miscellaneous

- (1) M-2 The Government, at its option, may administratively check scale any portion of the timber removed from the contract area, and if necessary, conduct check scaling of independent scalers contracted to BLM for administrative check scaling purposes. The Purchaser hereby agrees to make such contract timber available for such scaling at a location or locations to be approved in writing by the Authorized Officer. At the approved location or locations, the Purchaser shall provide an area for logs to be safely rolled out for scaling, to unload logs from trucks, place logs in a manner so that both ends and three faces of each log are visible for scaling, and to reload or remove logs after scaling has been completed. In the event that BLM elects to administratively check scale and if such check scaling causes a delay in log transportation time, an adjustment will be made to the purchase price as follows: If the entire sale is check scaled, the purchase price of this contract shall be reduced by five thousand one hundred sixty nine and 98/100 dollars (\$ 5169.98) In the event that only a portion of the contract timber is scaled, the purchase price shall be reduced by that portion of five thousand one hundred sixty nine and 98/100 dollars (\$ 5169.98) which is equal to the percentage of timber sold which was actually scaled by the Government. For purposes of computing this price reduction, the percentage of timber sold which has been scaled shall be determined by the Government. Any reduction in purchase price under the terms of this provision shall be full compensation to the Purchaser for any expense or loss incurred as a result of such scaling. Scaling shall be conducted in accordance with the Northwest Log Rules Eastside Log Scaling Handbook, as amended, or

SKELETON MOUNTAIN
SPECIAL PROVISIONS

supplemented by BLM before the first advertisement date of the sale, by BLM scalers, and/or independent scalers contracted to BLM. A copy of the scale report will be made available to the Purchaser upon request.

- (2) M-4 Notwithstanding the provisions of Section 5(c), when the Purchaser elects to furnish and operate under a payment bond as provided in Section 38(d), the value of right-of-way timber included in a billing shall be based on the value of timber removed from the right-of-way.
- (3) M-5 The Purchaser shall, without expense to the Government, be responsible for obtaining any necessary licenses and permits and for complying with any and all Federal, State, County, and municipal laws, codes, regulations, and administrative rules applicable to the performance of this contract. The Purchaser shall also be responsible for all damages to persons or property that arise out of any operations under this contract and result from any breach of contract or wrongful or negligent act or omission of the Purchaser, its contractors, subcontractors, or employees of any of them.

(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:
 - 1. Prior to the operation of power driven equipment in construction or logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the State of Oregon, Department of Forestry.
 - 2. Provide and maintain in good repair, on the contract area, the following equipment for use during closed fire season or periods of fire danger:
 - 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.

SKELETON MOUNTAIN
SPECIAL PROVISIONS

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

SKELETON MOUNTAIN
SPECIAL PROVISIONS

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.

- (3) 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.
- (4) F-8 Blasting caps and fuses shall not be used during closed fire season or any period of fire danger on any land administered by the Government. Blasting with electric detonators during the closed fire season or periods of fire danger is permitted only between the hours of 4:00 a.m. and 10:00 a.m.

(G) Slash Disposal and Site Preparation

- (1) SD-4 Logging Residue Reduction. In addition to the requirements of Sect.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 logging residue reduction and site preparation measure(s) required by this contract:

Prior to commencement of any operation under this section of the contract, a slash disposal and site preparation 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 and site preparation 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, including material cut during slashing activities for the purposes of fuels reduction.

Refueling of chainsaws and other equipment will be done no closer than one hundred fifty (175) feet of any stream or wet area. Spilled fuel and oil would be cleaned-up and would be disposed of at an approved disposal site.

**SKELETON MOUNTAIN
SPECIAL PROVISIONS**

- (2) SD-1f LOP AND SCATTER Lop and scatter all slash as directed by the Authorized Officer , concurrently with normal felling operations. All tops and side branches must be free of the central stem so that such slash is reduced to the point that it is within eighteen (18) inches of the ground at all points.
- (3) SD-4a SLASHING DAMAGED RESIDUALS. Slash all sprung or otherwise severely damaged trees greater than one (1) inch and less than six (6) inches D.B.H.O.B. concurrently with logging as designated by the Authorized Officer. All slashing is to be completed prior to any required piling of slash.
- (4) SD-1i LANDING PILES In all units shown on Exhibit A, pile all slash located within fifty (50) feet on each side of each landing. Slash shall be piled by a grapple loader. Finished piles shall be tight and free of earth.
1. A ten (10) foot by ten (10) foot cover of four (4) mil 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. Landings shall be piled and covered during the same season that they are logged.
- (5) SD-5 Perform logging residue reduction and site preparation work on approximately one hundred and fifty (150) acres of harvest area as directed by the Authorized Officer.
- (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
Slash Damage	Slash conifers and hardwoods <6" dbh damaged during harvest	
Lop and Scatter L2		\$45.00

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

Treatment/Level	Cost Per Acre	Number of Acres	Total Cost Per Treatment Type
Lop and Scatter L2	\$45.00	150	\$6750.00
Total Appraised Cost			\$6750.00

- (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 Six thousand seven hundred and

SKELETON MOUNTAIN
SPECIAL PROVISIONS

fifty (\$6750.00) as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 41(G)(2)(a).

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

Time is of the essence in complying with this provision. In the event the Purchaser fails to provide the personnel and equipment required herein, the Purchaser shall be responsible for all additional costs incurred by the Government in disposing of slash including but not limited to the wages and other costs of providing federal employees and others as substitute labor force, the cost of providing substitute equipment and appropriate additional overhead expenses. If the Purchaser's failure results in deferral of burning and new conditions necessitate additional site preparation work and/or use of additional personnel and equipment to accomplish planned burning, the Purchaser also shall be responsible for such additional costs.

(H) Quarry Development

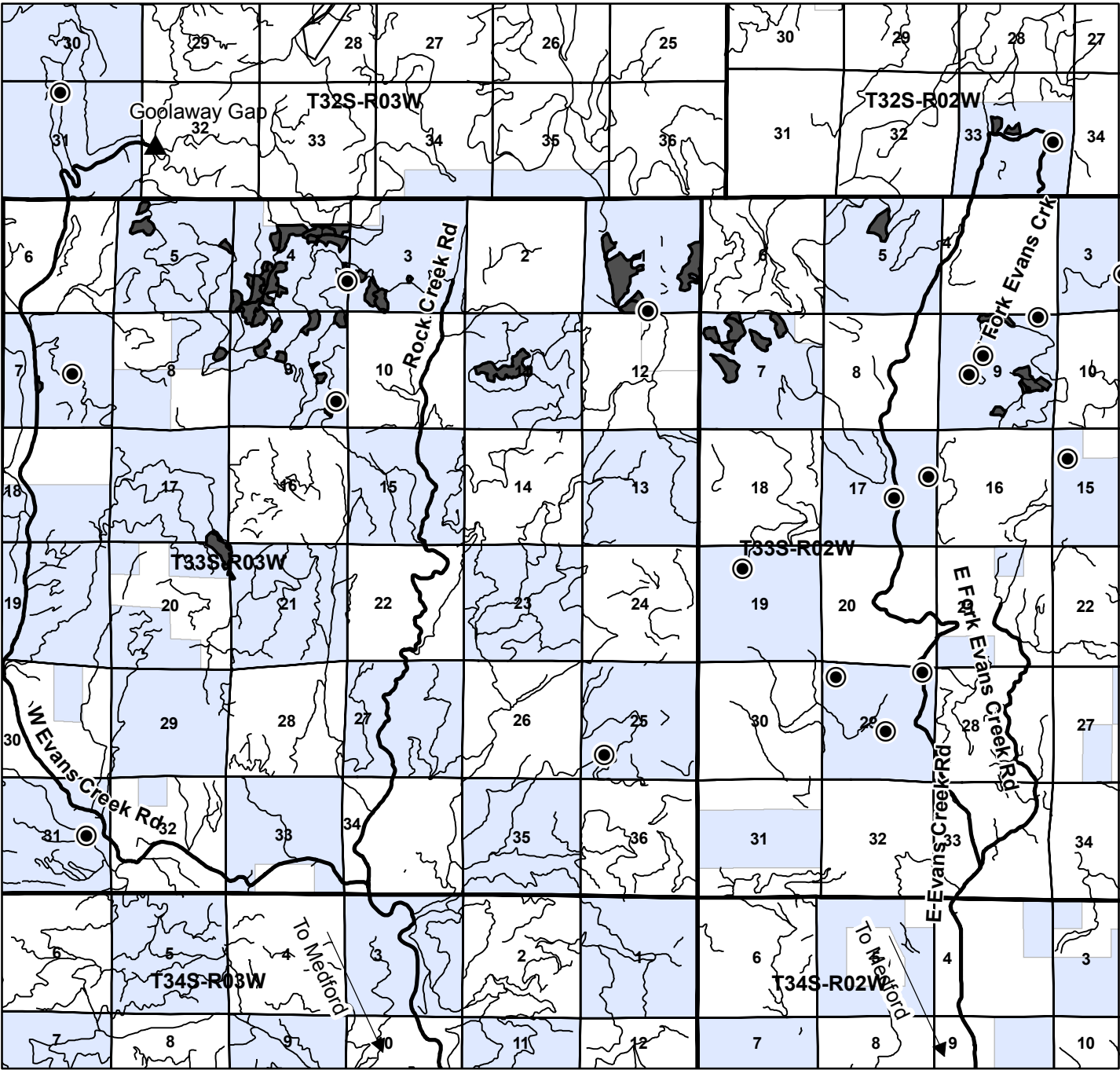
- (1) Q-1 The Purchaser shall develop a rock quarry in strict accordance with the plans and specifications shown on Exhibit C-11 which is attached hereto and made a part hereof. Exhibit C-11 contains 1 sheet.
 - (a) Q-1b Any quarry access road construction and site preparation shown on exhibit C-11 shall be completed at each quarry location shown on Exhibit C-11 prior to removal of any rock from such area.

(J) Equal Opportunity in Employment

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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 32S. R. 2W., SEC 33 WILL. MER.
T. 33S. R. 2W., SECS 5, 7, 9 WILL. MER.
T. 33S. R. 3W., SECS 1, 3, 4, 5, 7, 8, 9, 11, 20, 21 WILL. MER.

TIMBER SALE LOCATION MAP
SKELETON MOUNTAIN TIMBER SALE
CONTRACT NO. OR 110-TS 11-19
BUTTE FALLS RESOURCE AREA



Skeleton Mtn. Units Road Water Source



Medford District BLM
July 2011

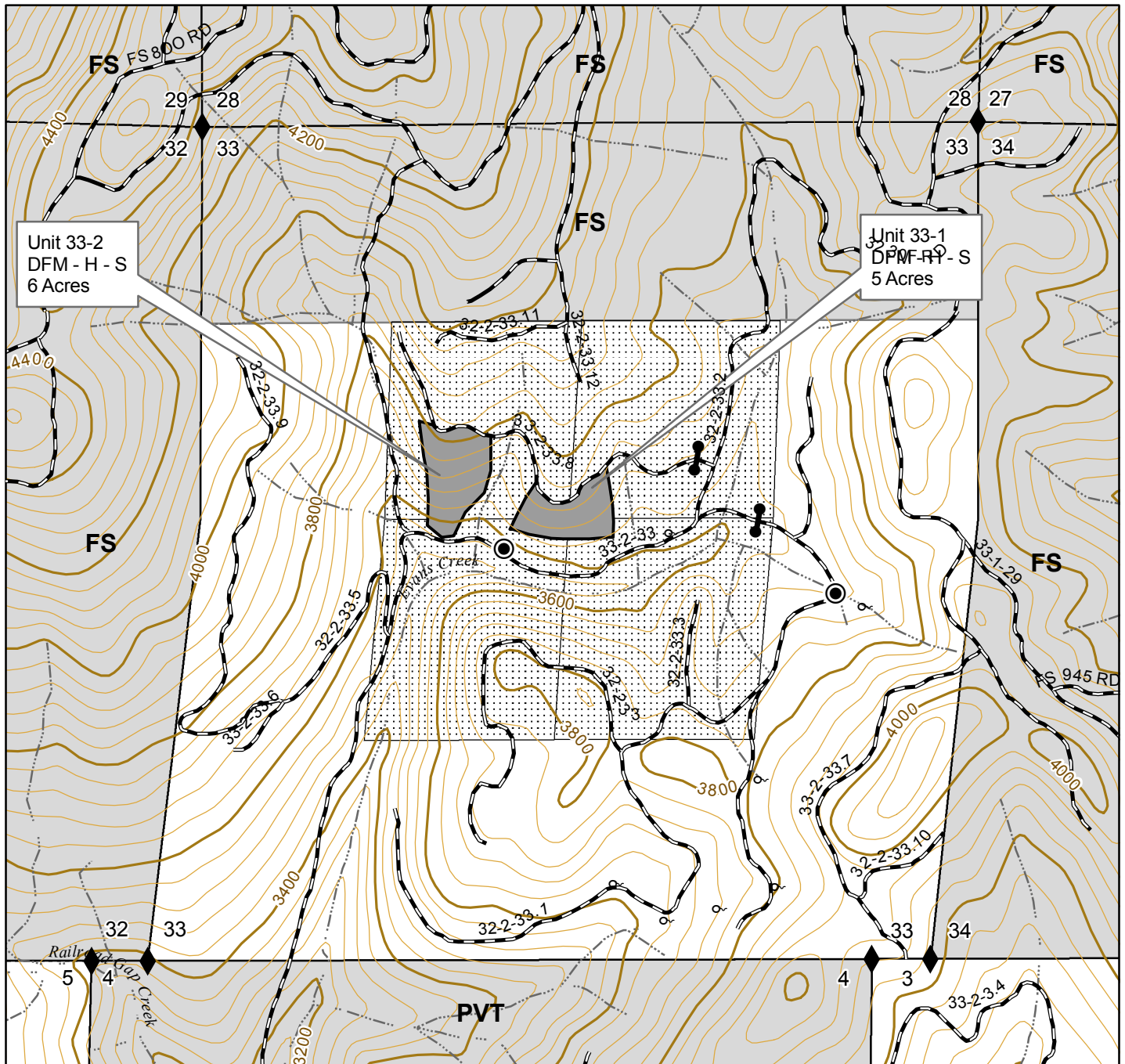
0 0.5 1 2
 Miles



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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 32S. R. 2W., SEC 33, WILL. MER.
SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 1 OF 15



40 FOOT CONTOURS



0 0.25 0.5
Miles
1 inch = 1,000 feet

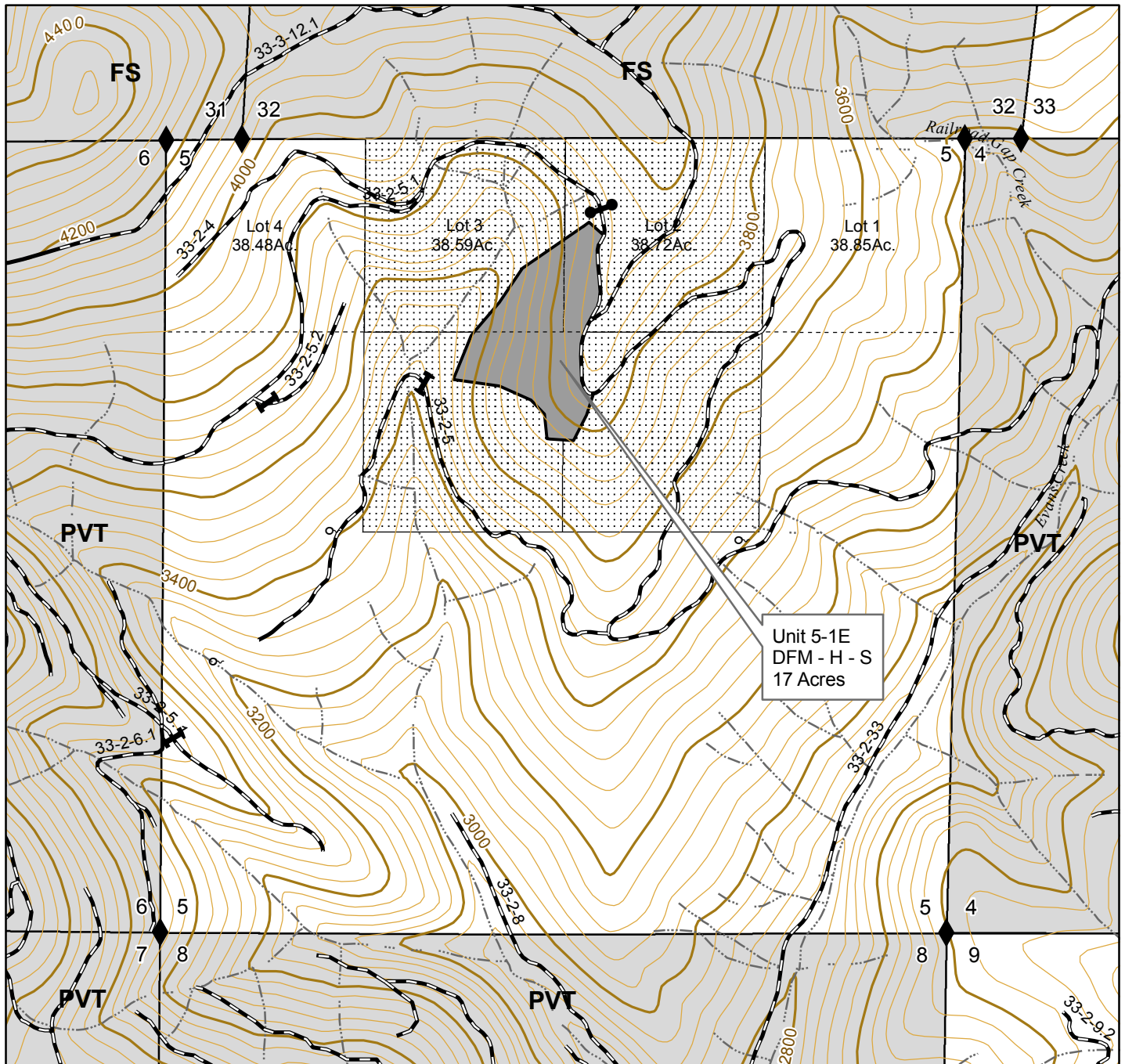


Medford District BLM
July 2011

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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 33S. R. 2W., SEC 5, WILL. MER.
SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 2 OF 15



40 FOOT CONTOURS



0 0.25 0.5
Miles
1 inch = 1,000 feet

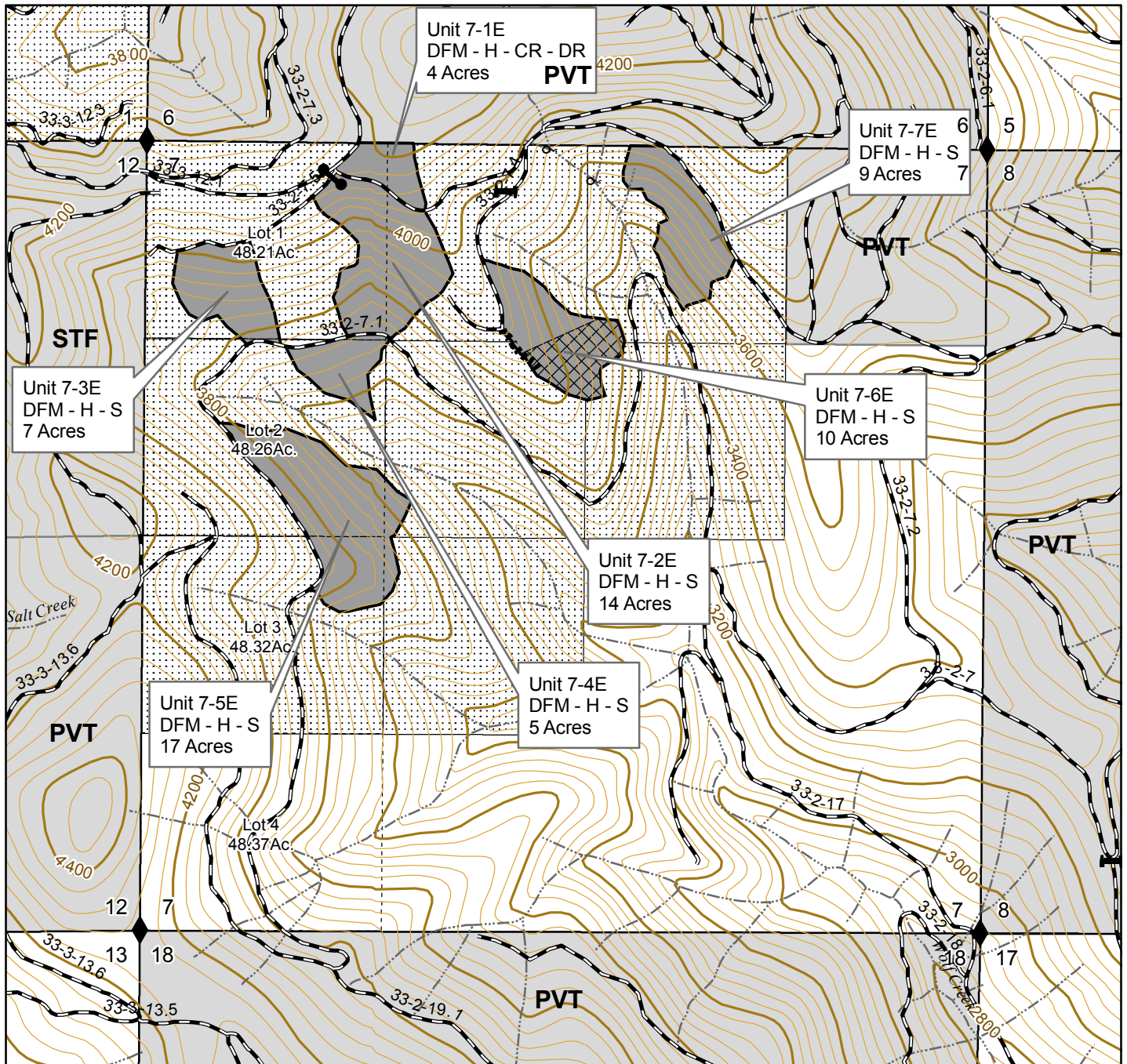


Medford District BLM
July 2011

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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 33S. R. 2W., SEC 7, WILL. MER.
SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 3 OF 15



40 FOOT CONTOURS



0 0.25 0.5
Miles
1 inch = 1,000 feet

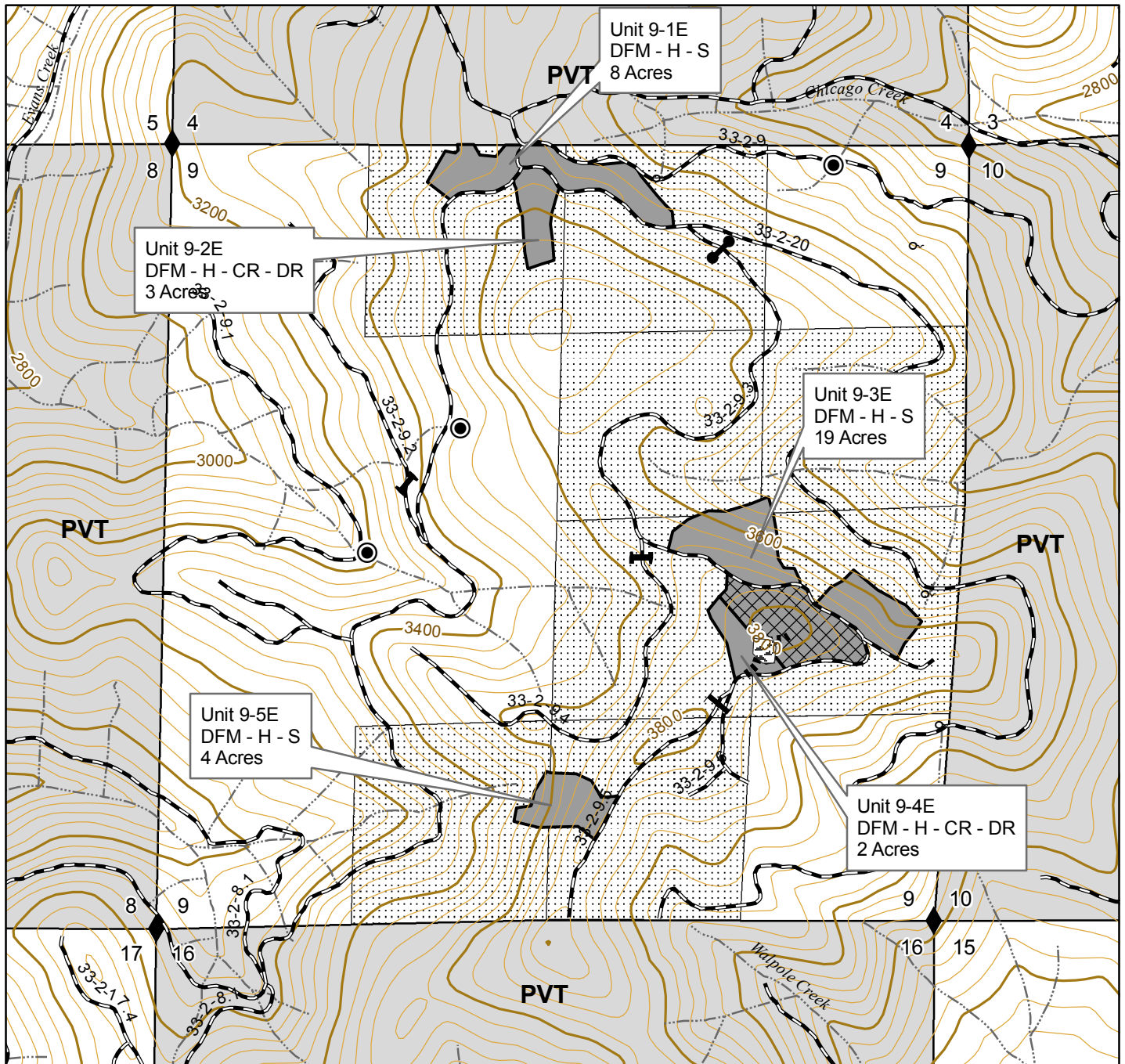


Medford District BLM
July 2011

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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 33S. R. 2W., SEC 9, WILL. MER.
SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 4 OF 15



40 FOOT CONTOURS



0 0.25 0.5
Miles
1 inch = 1,000 feet

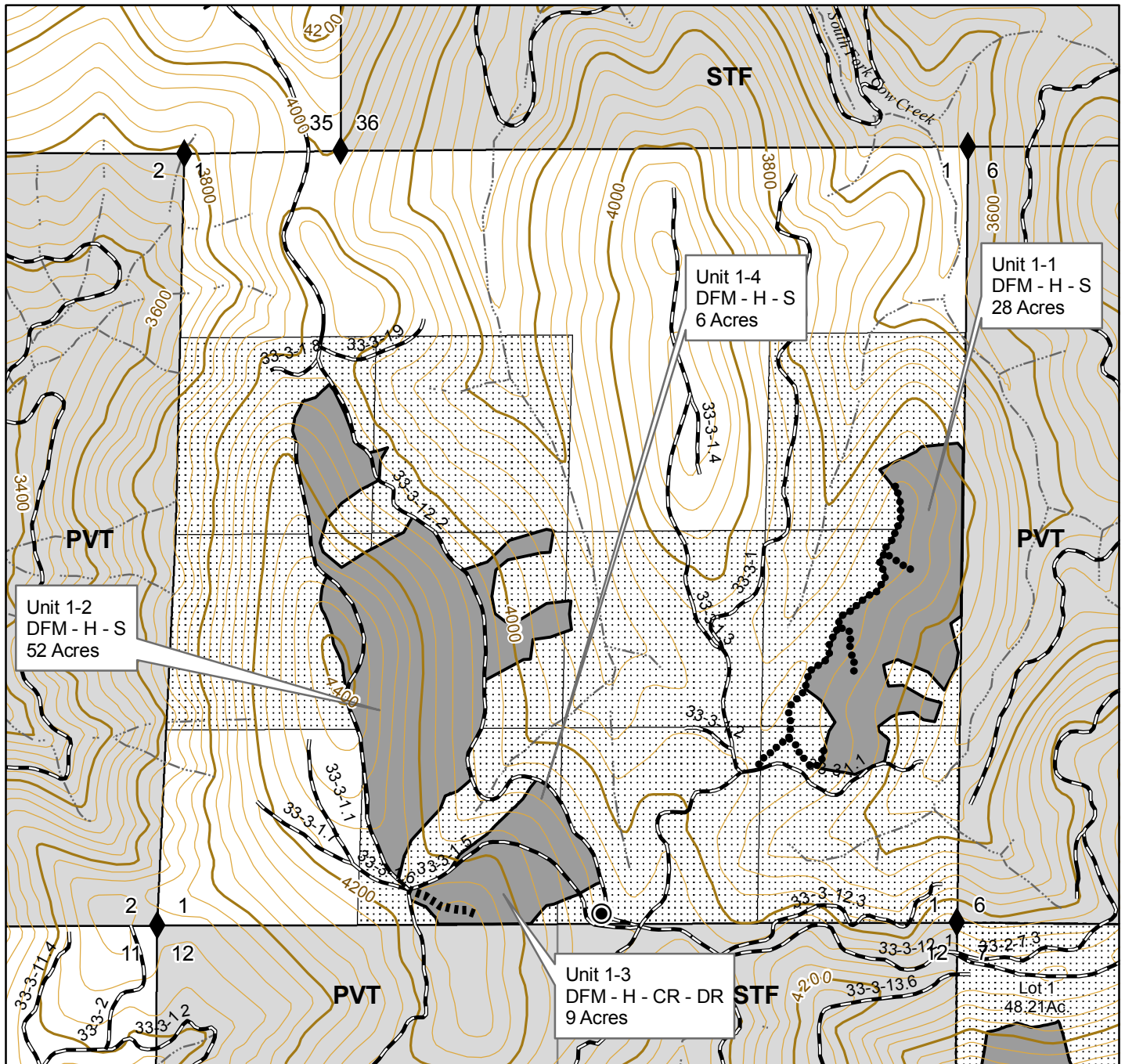


Medford District BLM
July 2011

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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 33S. R. 3W., SEC 1, WILL. MER.
SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 5 OF 15



40 FOOT CONTOURS

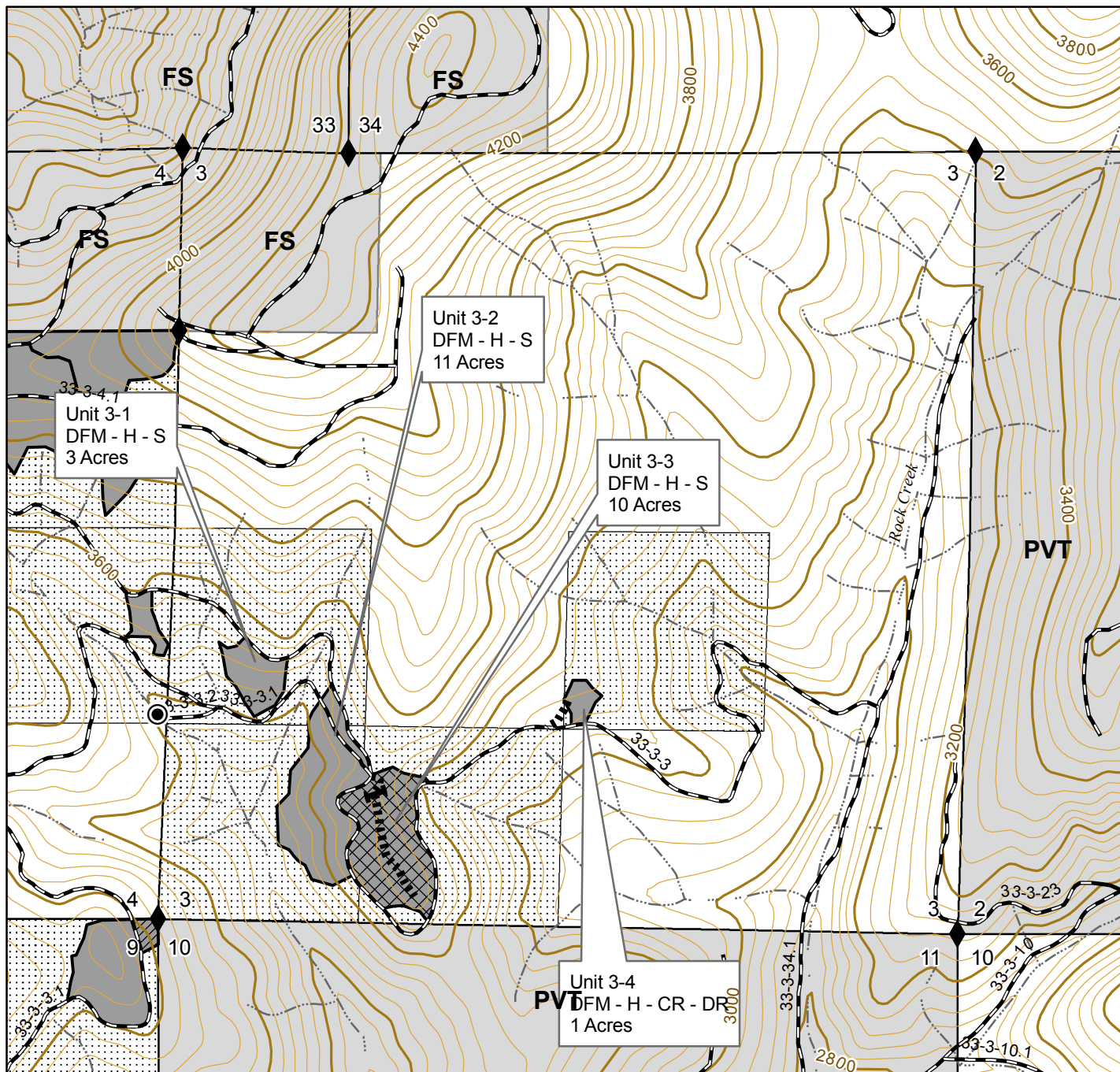


0 0.25 0.5
Miles
1 inch = 1,000 feet



Medford District BLM
July 2011

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



40 FOOT CONTOURS



0 0.25 0.5
Miles
1 inch = 1,000 feet

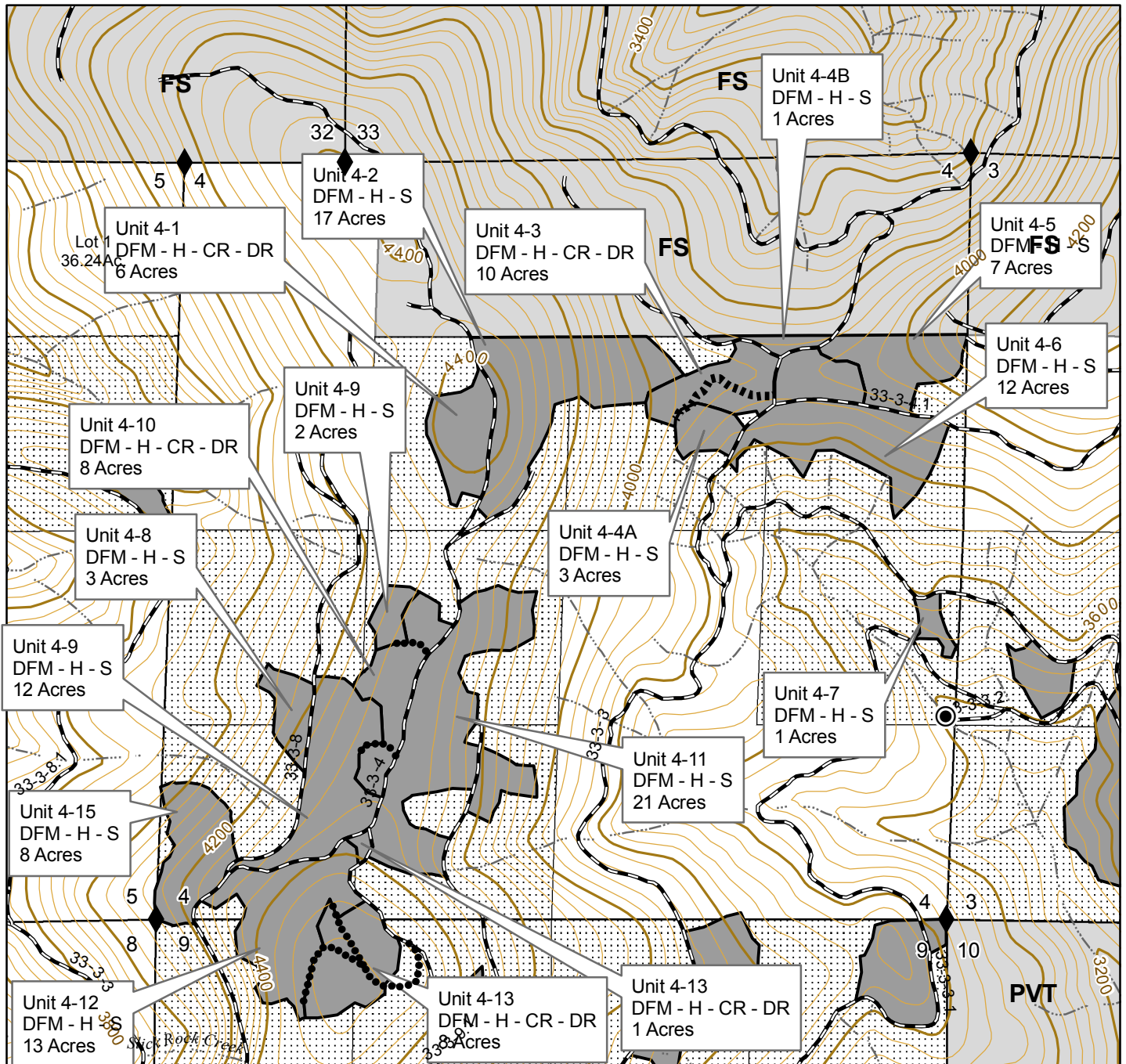


Medford District BLM
July 2011

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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 33S. R. 3W., SEC 4, WILL. MER.
SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 7 OF 15



40 FOOT CONTOURS

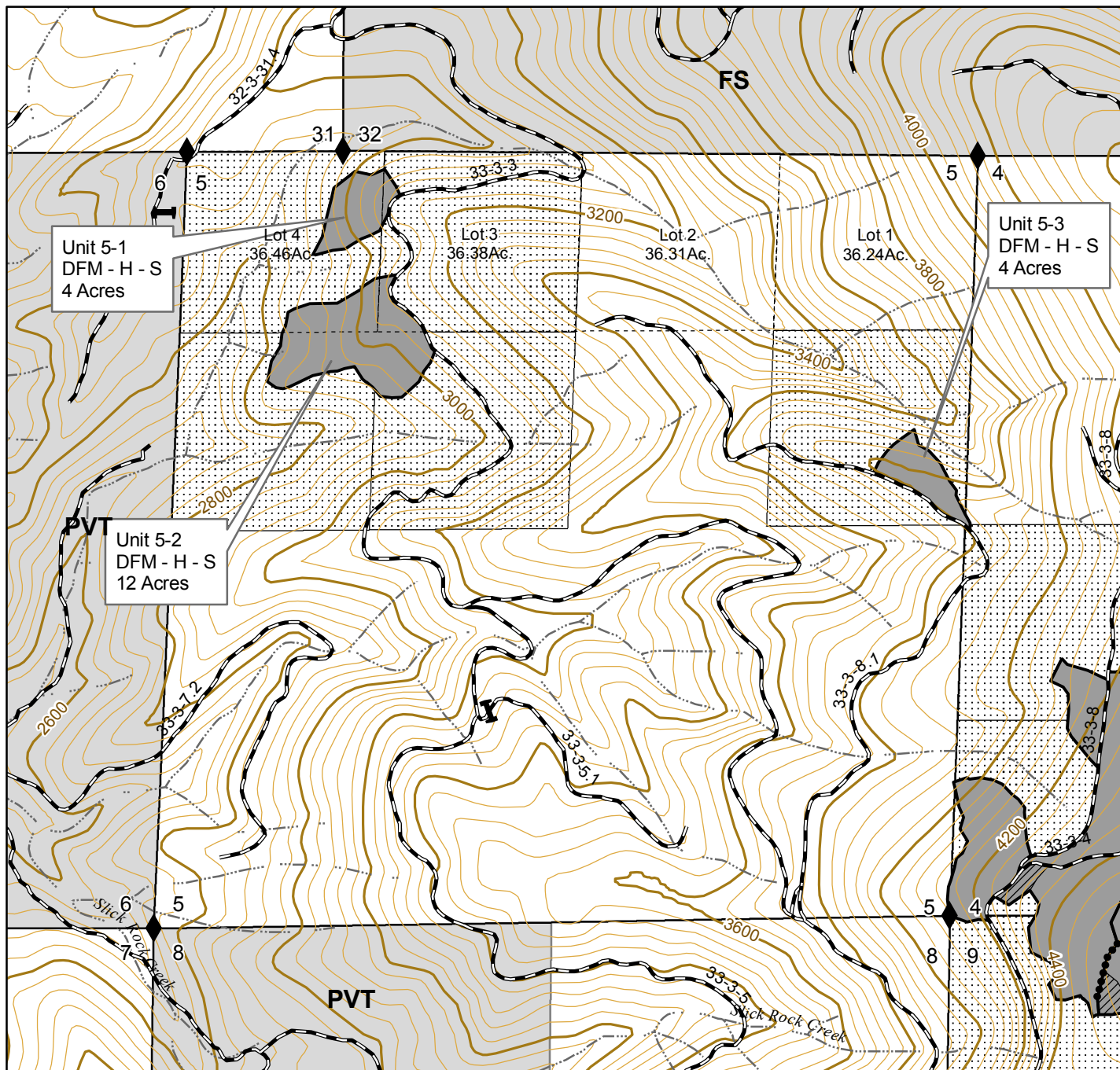


0 0.25 0.5
Miles
1 inch = 1,000 feet



Medford District BLM
July 2011

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



40 FOOT CONTOURS



0 0.25 0.5
Miles
1 inch = 1,000 feet

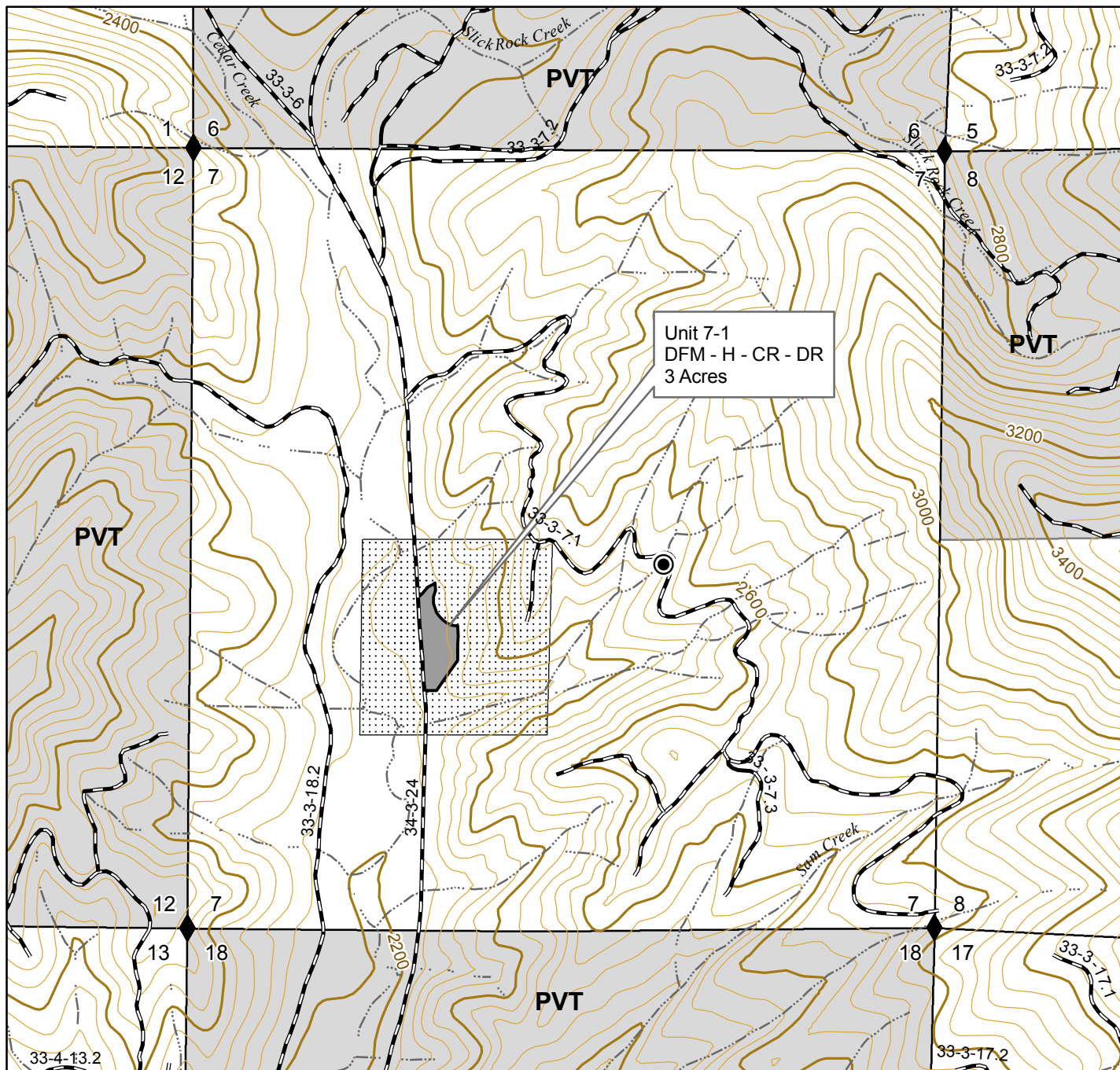


Medford District BLM
July 2011

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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 33S. R. 3W., SEC 7, WILL. MER.
SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 9 OF 15



40 FOOT CONTOURS

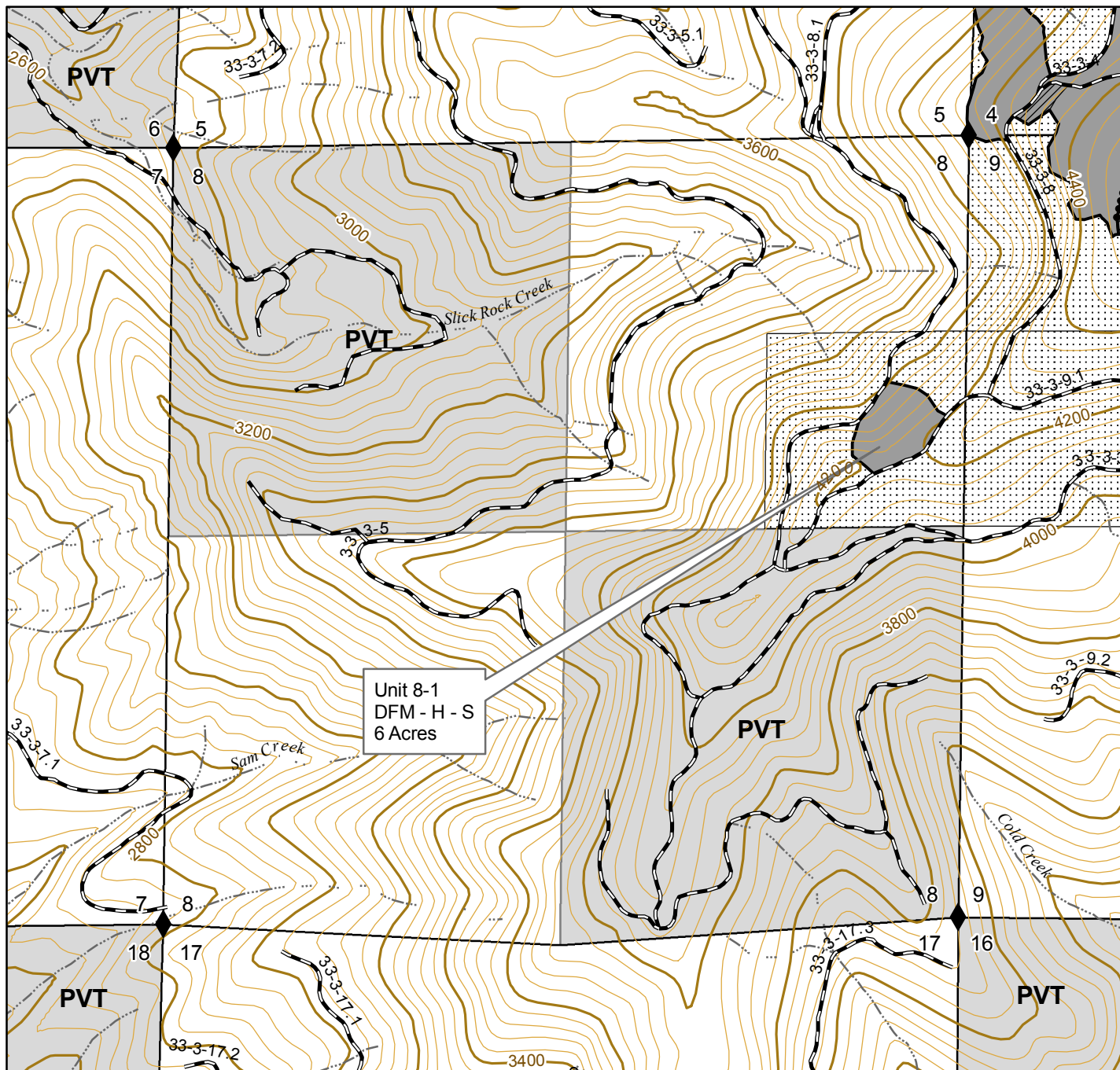


0 0.25 0.5
Miles
1 inch = 1,000 feet



Medford District BLM
July 2011

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



40 FOOT CONTOURS

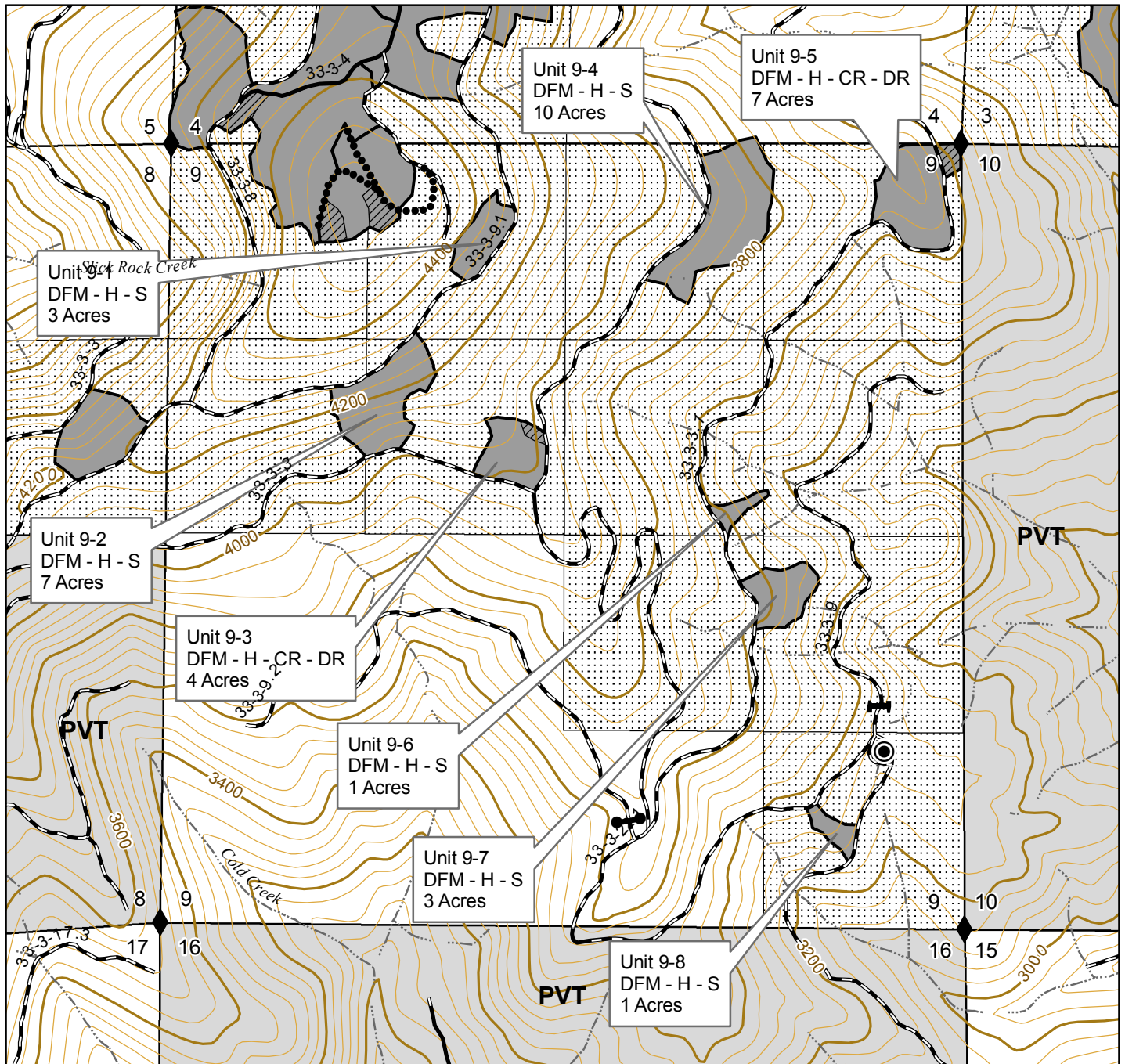


0 0.25 0.5
Miles
1 inch = 1,000 feet



Medford District BLM
July 2011

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



40 FOOT CONTOURS



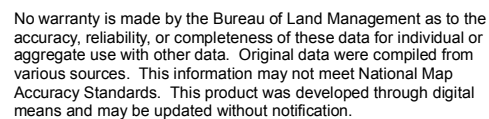
0 0.25 0.5
Miles
1 inch = 1,000 feet

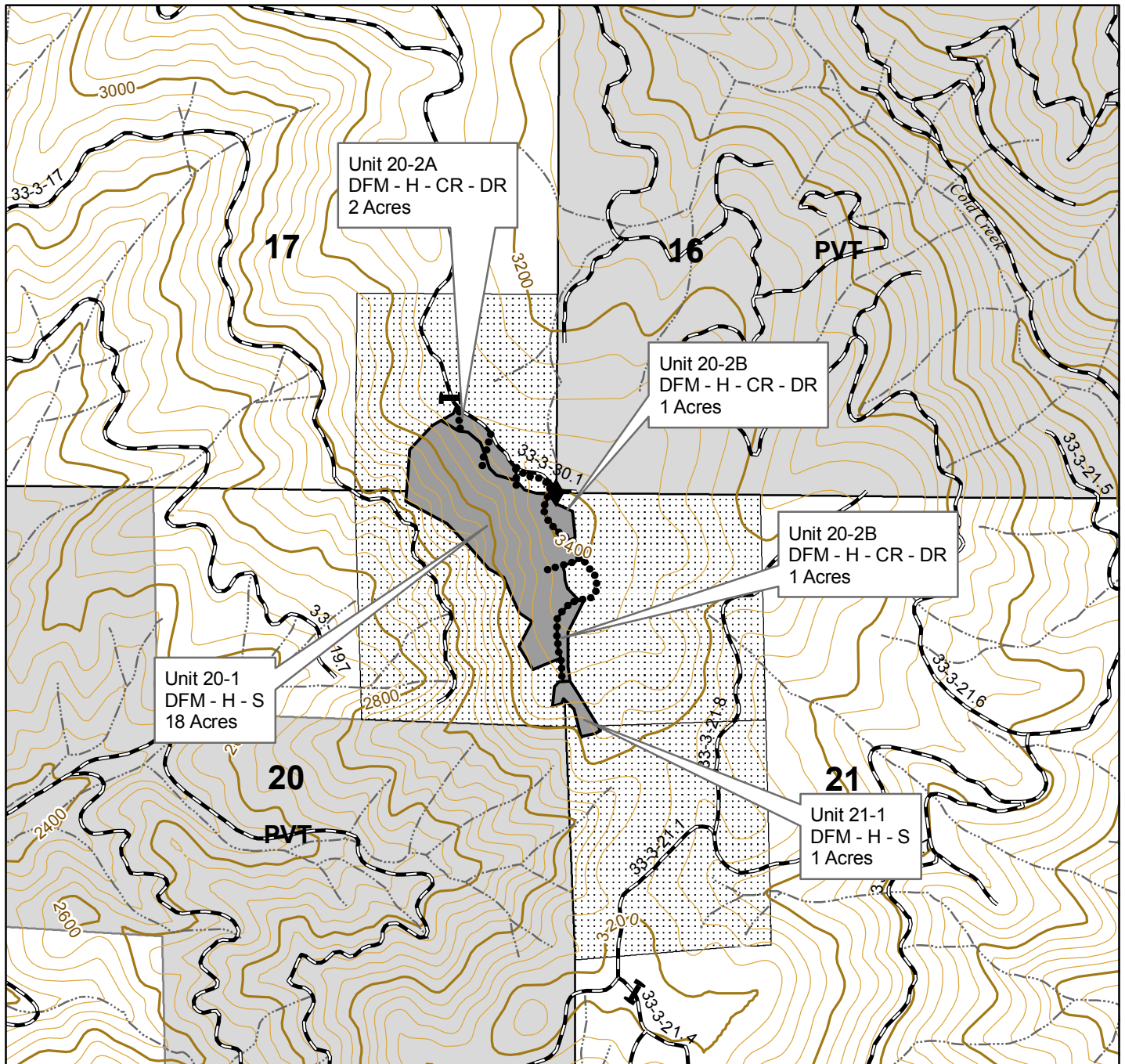


Medford District BLM
July 2011

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

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 12 OF 15





40 FOOT CONTOURS



0 0.25 0.5
Miles
1 inch = 1,000 feet

























Medford District BLM
July 2011

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

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19
T. 32S. R. 2W., SEC 33 WILL. MER.
T. 33S. R. 2W., SECS 5, 7, 9 WILL. MER.
T. 33S. R. 3W., SECS 1, 3, 4, 5, 7, 8, 9, 11, 20, 21 WILL. MER.
SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A
PAGE 14 OF 15

Legend

	Found Corner		Temporary Spur Road
	Water Source		Designated Skid Road
	Quarry		Road
	Spring		Stream
	Gate, Existing		100 ft. Index Contour
	Barricade, Existing		40 ft. Intermediate Contour
	Barricade, to be constructed		Plan Site Buffer
	Log Landing		Government Lot
	Boundary of Cutting Area		Contract Area
	Special Yarding Area		BLM Administered Land
	Yarder Tractor Swing		Non-BLM Land

DFM - H - S

DRY FOREST MANAGEMENT, HARVEST TREE MARK (BLUE PAINT) SKYLINE LOG UNITS:
1-1, 1-2, 1-4, 3-1, 3-2, 3-3, 4-2, 4-4A, 4-4B, 4-5, 4-6, 4-7, 4-8, 4-9, 4-11, 4-12, 4-15,
5-1, 5-1E, 5-2, 5-3, 7-2E, 7-3E, 7-4E, 7-5E, 7-6E, 7-7E, 8-1, 9-1, 9-1E, 9-2, 9-3E, 9-4, 9-5E,
9-6, 9-7, 9-8, 11-1, 20-1, 21-1, 33-1, 33-2

DFM - H - CR

DRY FOREST MANAGEMENT, HARVEST TREE MARK (BLUE PAINT) TRACTOR LOG UNITS:
1-3, 3-4, 4-1, 4-3, 4-10, 4-13, 7-1, 7-1E, 9-2E, 9-3, 9-4E, 9-5, 20-2A, 20-2B

U.S.D.I. BLM MEDFORD DISTRICT SALE NO. 11-19

T. 32S. R. 2W., SEC 33 WILL. MER.

T. 33S. R. 2W., SECS 5, 7, 9 WILL. MER.

T. 33S. R. 3W., SECS 1, 3, 4, 5, 7, 8, 9, 11, 20, 21 WILL. MER.

SKELETON MOUNTAIN TIMBER SALE

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS 11-19
EXHIBIT A

PAGE 15 OF 15

Section Number	Unit Number	Unit Acres	Reserve Acres	Contract Acres
1	1-1, 1-2, 1-3, 1-4,	95	305	400
3	3-1, 3-2, 3-3, 3-4,	24	136	160
4	4-1, 4-2, 4-3, 4-4A, 4-4B, 4-5, 4-6, 4-7, 4-8, 4-9, 4-10 4-11, 4-12, 4-13, 4-15	134	186	320
5	5-1, 5-2, 5-3, 5-1E	37	303.03	340.03
7	7-1, 7-1E, 7-2E, 7-3E, 7-4E, 7-5E, 7-6E, 7-7E	68	316.79	384.79
8	8-1	5	35	40
9	9-1, 9-2, 9-3, 9-4, 9-5, 9-6, 9-7, 9-8, 9-1E, 9-2E 9-3E, 9-4E, 9-5E	73	687	760
11	11-1	34	206	240
20	20-1, 20-2A, 20-2B,	22	138	160
21	21-1	1	79	80
33	33-1, 33-2	11	149	160
Totals		504	2540.82	3044.82



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

District : Medford
Sale Name : Skeleton Mtn
Sale Date : 09/15/2011
Appraisal Method : 16' MBF

Contract # : TS 11-19
Job File # : M11272
Master Unit : Jackson
Planning Unit : Butte Falls

Contents

Timber Sale Summary	2
Stumpage Summary	5
Prospectus	6
Exhibit B	9
Volume Summary	20
Stump to Truck Costs	31
Other Allowances Costs	32
Consolidated Comments	33

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

Medford
Skeleton Mtn
TS 11-19

Legal Description

Forest Type	Township	Range	Section	Subdivision
O&C	32S	2W	33	SW1/4NE1/4,NW1/4SE1/4,NE1/4SW1/4,SE1/4NW1/4.
O&C	33S	2W	5	Govt Lot 2,SW1/4NE1/4,SE1/4NW1/4,Govt Lot 3..
O&C	33S	2W	7	W1/2NE1/4,NE1/4SW1/4,Govt Lot 3,E1/2NW1/4,Govt Lot 1,2.
O&C	33S	2W	9	SE1/4NE1/4,W1/2NE1/4,NE1/4SE1/4,W1/2SE1/4,SE1/4SW1/4,NE1/4NW1/4.
O&C	33S	3W	1	SE1/4NE1/4,SE1/4,E1/2SW1/4,NW1/4SW1/4,S1/2NW1/4.
O&C	33S	3W	3	NW1/4SE1/4,SE1/4SW1/4,W1/2SW1/4.
O&C	33S	3W	4	S1/2NE1/4,NE1/4SE1/4,SW1/4,SE1/4NW1/4.
O&C	33S	3W	5	SE1/4NE1/4,Govt Lot 3,S1/2NW1/4,Govt Lot 4.
O&C	33S	3W	7	NE1/4SW1/4.
O&C	33S	3W	8	SE1/4NE1/4.
O&C	33S	3W	9	NE1/4,E1/2SE1/4,NW1/4SE1/4,NW1/4.
O&C	33S	3W	11	SW1/4NE1/4,NW1/4SE1/4,N1/2SW1/4,S1/2NW1/4.
O&C	33S	3W	17	SE1/4SE1/4.
O&C	33S	3W	20	NE1/4NE1/4.
O&C	33S	3W	21	W1/2NW1/4.

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

Medford
Skeleton Mtn
TS 11-19

Cutting Volume (16' MBF)

Unit	DF	WF	WH	IC	PP	SP			Total	Regen	Partial	ROW
1-1	186	7	6						199	0	28	0
1-2	172	126	10						308	0	51	0
1-3	39	10	2						51	0	9	0
1-4	17	3	6						26	0	6	0
11-1	286	13	5	2	1	0			307	0	34	0
20-1	144				0				144	0	18	0
20-2	31	1							32	0	4	0
21-1	5			0	1				6	0	1	0
3-1	18	3							21	0	3	0
3-2	41	16	3			0			60	0	11	0
3-3	22	11	1						34	0	10	0
3-4	10	2							12	0	1	0
33-1	37	1							38	0	5	0
33-2	15	9	0						24	0	6	0
4-1	64	11							75	0	6	0
4-10	63	8							71	0	8	0
4-11	81	63	0						144	0	21	0
4-12	89	35		0					124	0	13	0
4-13	30	28		1					59	0	8	0
4-15	69	24	4						97	0	8	0
4-2	117	18		0					135	0	18	0
4-3	49	12	1						62	0	10	0
4-4	19	4							23	0	4	0
4-5	28	13		0					41	0	7	0
4-6	40	12	1						53	0	12	0
4-7	4	1	2	0					7	0	1	0
4-8	28	1	0						29	0	3	0
4-9	104	28							132	0	14	0
5-1W	16			0					16	0	4	0
5-1E	108	0							108	0	17	0
5-2	41	1		0					42	0	12	0
5-3	17	0	2						19	0	4	0
7-1E	26								26	0	4	0
7-1W	21	1	0						22	0	3	0
7-2E	90	0							90	0	14	0
7-3E	47	10							57	0	7	0
7-4E	24	1							25	0	5	0
7-5E	92	7	1						100	0	17	0
7-6E	70	20							90	0	10	0
7-7E	58	11	0			1			70	0	9	0
8-1	13	24							37	0	5	0
9-1W	9	12		0					21	0	3	0
9-1E	29	6		0					35	0	8	0
9-2W	23	24			0				47	0	7	0
9-2E	24								24	0	3	0
9-3W	15	17							32	0	4	0

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

Medford
Skeleton Mtn
TS 11-19

9-3E	106	4		0					110	0	19	0
9-4W	20	32	1						53	0	10	0
9-4E	2	1		0					3	0	2	0
9-5W	16	9	3						28	0	7	0
9-5E	22	1							23	0	4	0
9-6	8	1	2						11	0	1	0
9-7	19	3	0	1					23	0	3	0
9-8	6	3							9	0	1	0
ROW	201	27	2	1	2	2			235	0	0	7

Totals	2,931	675	52	5	4	3			3,670	0	503	7
--------	-------	-----	----	---	---	---	--	--	-------	---	-----	---

Logging Costs per 16' MBF

Stump to Truck	\$	200.27
Transportation	\$	63.84
Road Construction	\$	26.08
Road Amortization	\$	0.01
Road Maintenance	\$	12.64

Other Allowances :

Fuels Treatment	\$ 1.84
Misc	\$ 0.22
Other Costs	\$ 6.16
Total Other Allowances :	\$ 8.22

Profit & Risk

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

Tract Features

Avg Log	Douglas-fir : 80 bf	All : 80 bf
Recovery	Douglas-fir : 90 %	All : 89 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume (16' MBF per Acre)		7
Avg Yarding Slope		40 %
Avg Yarding Distance (feet)		400
Avg Age		120
Volume Cable		80 %
Volume Ground		20 %
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	Parks,Rentz
Date	07/06/2011
Type of Cruise	3P/STR
County, State	Jackson, OR

Net Volume

Green (16' MBF)	3,670
Salvage (16' MBF)	0
Douglas-fir Peeler	88
Export Volume	0
Scaling Allowance (\$0.50 per 16' MBF)	\$1,835.00

Total Logging Costs per 16' MBF

\$ 311.05

Utilization Centers

Center #1 : White City, OR	45 Miles
Center #1 : Rough & Ready mill	109 Miles
Weighted distance to Utilization Centers	46

Length of Contract

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Medford
Skeleton Mtn
TS 11-19

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	9,916	2,931	\$ 377.64	\$ 26.43	\$ 311.05			\$ 40.20	\$ 117,826.20
WF	2,081	675	\$ 322.54	\$ 22.58	\$ 311.05			\$ 32.30	\$ 21,802.50
WH	337	52	\$ 311.77	\$ 21.82	\$ 311.05			\$ 31.20	\$ 1,622.40
IC	97	5	\$ 376.00	\$ 26.32	\$ 311.05			\$ 38.60	\$ 193.00
PP	12	4	\$ 264.60	\$ 18.52	\$ 311.05			\$ 26.50	\$ 106.00
SP	8	3	\$ 353.35	\$ 24.73	\$ 311.05			\$ 35.30	\$ 105.90
Totals	12,451	3,670							\$ 141,656.00

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
White Fir			1.0	66.0	30.0	3.0
Douglas-fir			3.0	64.0	30.0	3.0
Western Hemlock				58.0	32.0	10.0
Incense-cedar				33.0	19.0	48.0
Sugar Pine				69.0	29.0	2.0
Ponderosa Pine				58.0	40.0	2.0

Marginal Log Volume

Species	Grade #7	Grade #8
White Fir		
Douglas-fir	10	
Western Hemlock		
Incense-cedar		
Sugar Pine		
Ponderosa Pine		

Appraised By : Rentz, George

Date : 07/14/2011

Area Approval By : Rentz, George

Date : 07/14/2011

District Approval By :

Date :

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

Medford
Skeleton Mtn
TS 11-19

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	9,916	2,931	2,369	4,946
White Fir	2,081	675	546	1,122
Western Hemlock	337	52	42	95
Incense-cedar	97	5	4	11
Ponderosa Pine	12	4	3	7
Sugar Pine	8	3	3	5
Total	12,451	3,670	2,967	6,186

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
4,135	12,451	332	16.7	4,016	49,990	80

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
49,990	2,351	52,341	4	3,670	4,135	89 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
3,268	9,916	329	16.8	3,214	40,227	79

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
40,227	1,798	42,025	4	2,931	3,268	90 %

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

Medford
Skeleton Mtn
TS 11-19

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1-1		28		28
1-2		51		51
1-3		9		9
1-4		6		6
11-1		34		34
20-1		18		18
20-2		4		4
21-1		1		1
3-1		3		3
3-2		11		11
3-3		10		10
3-4		1		1
33-1		5		5
33-2		6		6
4-1		6		6
4-10		8		8
4-11		21		21
4-12		13		13
4-13		8		8
4-15		8		8
4-2		18		18
4-3		10		10
4-4		4		4
4-5		7		7
4-6		12		12
4-7		1		1
4-8		3		3
4-9		14		14
5-1W		4		4
5-1E		17		17
5-2		12		12
5-3		4		4
7-1E		4		4
7-1W		3		3
7-2E		14		14
7-3E		7		7
7-4E		5		5
7-5E		17		17
7-6E		10		10
7-7E		9		9
8-1		5		5
9-1W		3		3
9-1E		8		8
9-2W		7		7
9-2E		3		3
9-3W		4		4
9-3E		19		19
9-4W		10		10
9-4E		2		2

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

Medford
Skeleton Mtn
TS 11-19

9-5W		7		7
9-5E		4		4
9-6		1		1
9-7		3		3
9-8		1		1
ROW			7	7
Totals :		503	7	510

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

Medford
Skeleton Mtn
TS 11-19

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	2,931		
White Fir	675		
Western Hemlock	52		
Incense-cedar	5		
Ponderosa Pine	4		
Sugar Pine	3		
Sale Totals	3,670		

Unit Details (16' MB)

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

Species	Net Volume	Bid Price	Species Value
Douglas-fir	186		
Western Hemlock	6		
White Fir	7		
Unit Totals	199		

Unit 11-1 34 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	286		
Incense-cedar	2		
Ponderosa Pine	1		
Sugar Pine			
Western Hemlock	5		
White Fir	13		
Unit Totals	307		

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

Medford
Skeleton Mtn
TS 11-19

Unit 1-2 51 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	172		
Western Hemlock	10		
White Fir	126		
Unit Totals	308		

Unit 1-3 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	39		
Western Hemlock	2		
White Fir	10		
Unit Totals	51		

Unit 1-4 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	17		
Western Hemlock	6		
White Fir	3		
Unit Totals	26		

Unit 20-1 18 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	144		
Ponderosa Pine			
Unit Totals	144		

Unit 20-2 4 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	31		
White Fir	1		
Unit Totals	32		

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

Species	Net Volume	Bid Price	Species Value
Douglas-fir	5		
Incense-cedar			
Ponderosa Pine	1		
Unit Totals	6		

Medford
Skeleton Mtn
TS 11-19

Species	Net Volume	Bid Price	Species Value
Douglas-fir	18		
White Fir	3		
Unit Totals	21		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	41		
Sugar Pine			
Western Hemlock	3		
White Fir	16		
Unit Totals	60		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	22		
Western Hemlock	1		
White Fir	11		
Unit Totals	34		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	37		
White Fir	1		
Unit Totals	38		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	15		
Western Hemlock			
White Fir	9		
Unit Totals	24		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	10		
White Fir	2		
Unit Totals	12		

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

Medford
Skeleton Mtn
TS 11-19

Unit 4-1 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	64		
White Fir	11		
Unit Totals	75		

Unit 4-10 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	63		
White Fir	8		
Unit Totals	71		

Unit 4-11 21 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	81		
Western Hemlock			
White Fir	63		
Unit Totals	144		

Unit 4-12 13 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	89		
Incense-cedar			
White Fir	35		
Unit Totals	124		

Unit 4-13 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	30		
Incense-cedar	1		
White Fir	28		
Unit Totals	59		

Unit 4-15 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	69		
Western Hemlock	4		
White Fir	24		
Unit Totals	97		

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

Medford
Skeleton Mtn
TS 11-19

Unit 4-2 18 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	117		
Incense-cedar			
White Fir	18		
Unit Totals	135		

Unit 4-3 10 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	49		
Western Hemlock	1		
White Fir	12		
Unit Totals	62		

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

Species	Net Volume	Bid Price	Species Value
Douglas-fir	19		
White Fir	4		
Unit Totals	23		

Unit 4-5 7 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	28		
Incense-cedar			
White Fir	13		
Unit Totals	41		

Unit 4-6 12 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	40		
Western Hemlock	1		
White Fir	12		
Unit Totals	53		

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

Medford
Skeleton Mtn
TS 11-19

Unit 4-7 1 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	4		
Incense-cedar			
Western Hemlock	2		
White Fir	1		
Unit Totals	7		

Unit 4-8 3 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	28		
Western Hemlock			
White Fir	1		
Unit Totals	29		

Unit 4-9 14 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	104		
White Fir	28		
Unit Totals	132		

Unit 5-1E 17 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	108		
White Fir			
Unit Totals	108		

Unit 5-1W 4 Acres Value per Acre : \$0.00

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

Unit 5-2 12 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	41		
Incense-cedar			
White Fir	1		
Unit Totals	42		

Medford
Skeleton Mtn
TS 11-19

Species	Net Volume	Bid Price	Species Value
Douglas-fir	17		
Western Hemlock	2		
White Fir			
Unit Totals	19		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	26		
Unit Totals	26		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	21		
Western Hemlock			
White Fir	1		
Unit Totals	22		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	90		
White Fir			
Unit Totals	90		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	47		
White Fir	10		
Unit Totals	57		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	24		
White Fir	1		
Unit Totals	25		

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

Medford
Skeleton Mtn
TS 11-19

Unit 7-5E 17 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	92		
Western Hemlock	1		
White Fir	7		
Unit Totals	100		

Unit 7-6E 10 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	70		
White Fir	20		
Unit Totals	90		

Unit 7-7E 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	58		
Sugar Pine	1		
Western Hemlock			
White Fir	11		
Unit Totals	70		

Unit 8-1 5 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	13		
White Fir	24		
Unit Totals	37		

Unit 9-1E 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	29		
Incense-cedar			
White Fir	6		
Unit Totals	35		

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

Medford
Skeleton Mtn
TS 11-19

Unit 9-1W 3 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	9		
Incense-cedar			
White Fir	12		
Unit Totals	21		

Unit 9-2E 3 Acres Value per Acre : \$0.00

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

Unit 9-2W 7 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	23		
Ponderosa Pine			
White Fir	24		
Unit Totals	47		

Unit 9-3E 19 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	106		
Incense-cedar			
White Fir	4		
Unit Totals	110		

Unit 9-3W 4 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	15		
White Fir	17		
Unit Totals	32		

Unit 9-4E 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	2		
Incense-cedar			
White Fir	1		
Unit Totals	3		

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

Medford
Skeleton Mtn
TS 11-19

Unit 9-4W 10 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	20		
Western Hemlock	1		
White Fir	32		
Unit Totals	53		

Unit 9-5E 4 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	22		
White Fir	1		
Unit Totals	23		

Unit 9-5W 7 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	16		
Western Hemlock	3		
White Fir	9		
Unit Totals	28		

Unit 9-6 1 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	8		
Western Hemlock	2		
White Fir	1		
Unit Totals	11		

Unit 9-7 3 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	19		
Incense-cedar	1		
Western Hemlock			
White Fir	3		
Unit Totals	23		

Medford
Skeleton Mtn
TS 11-19

Species	Net Volume	Bid Price	Species Value
Douglas-fir	6		
White Fir	3		
Unit Totals	9		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	201		
Incense-cedar	1		
Ponderosa Pine	2		
Sugar Pine	2		
Western Hemlock	2		
White Fir	27		
Unit Totals	235		

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

Medford
Skeleton Mtn
TS 11-19

Sale Volume Totals

510 Acres 0 Regen 503 Partial 7 R/W 55 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	9,916	40,227	1,798	2,931	3,214	3,268	2,369	2,596	2,645	4,946	5,434	5,550
White Fir	2,081	8,618	536	675	729	794	546	589	644	1,122	1,214	1,317
Western Hemlock	337	919	13	52	59	59	42	48	48	95	109	109
Incense-cedar	97	146	0	5	5	5	4	4	4	11	11	11
Ponderosa Pine	12	48	4	4	5	5	3	4	4	7	8	8
Sugar Pine	8	32	0	3	4	4	3	3	3	5	6	6
Totals	12,451	49,990	2,351	3,670	4,016	4,135	2,967	3,244	3,348	6,186	6,782	7,001

Unit Totals

Unit : 1-1 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	705	2,555	114	208	204	186
Western Hemlock	45	109	3	8	8	6
White Fir	21	84	5	8	7	7
Unit Totals	771	2,748	122	224	219	199

Unit : 1-2 51 Acres 0 Regen 51 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	357	2,355	105	191	188	172
White Fir	290	1,609	100	144	135	126
Western Hemlock	43	185	3	12	12	10
Unit Totals	690	4,149	208	347	335	308

Unit : 1-3 9 Acres 0 Regen 9 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	70	530	24	43	42	39
White Fir	22	129	8	12	11	10
Western Hemlock	11	30		2	2	2
Unit Totals	103	689	32	57	55	51

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

Medford
Skeleton Mtn
TS 11-19

Unit : 1-4 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	46	229	10	19	18	17
Western Hemlock	32	104	1	7	7	6
White Fir	11	35	2	3	3	3
Unit Totals	89	368	13	29	28	26

Unit : 11-1 34 Acres 0 Regen 34 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,409	3,956	178	323	317	286
White Fir	58	169	10	16	14	13
Western Hemlock	45	89	1	6	6	5
Incense-cedar	35	57		2	2	2
Ponderosa Pine	2	8	1	1	1	1
Sugar Pine	1	4				
Unit Totals	1,550	4,283	190	348	340	307

Unit : 20-1 18 Acres 0 Regen 18 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	737	1,983	89	161	158	144
Ponderosa Pine	1	4				
Unit Totals	738	1,987	89	161	158	144

Unit : 20-2 4 Acres 0 Regen 4 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	189	419	19	34	33	31
White Fir	8	13	1	1	1	1
Unit Totals	197	432	20	35	34	32

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

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	35	66	3	5	5	5
Ponderosa Pine	2	8	1	1	1	1
Incense-cedar	2	3				
Unit Totals	39	77	4	6	6	6

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

Medford
Skeleton Mtn
TS 11-19

Unit : 3-1 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	70	250	11	20	20	18
White Fir	10	42	3	4	4	3
Unit Totals	80	292	14	24	24	21

Unit : 3-2 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	122	559	25	45	45	41
White Fir	55	200	12	18	17	16
Western Hemlock	21	53	1	3	3	3
Sugar Pine	1	4				
Unit Totals	199	816	38	66	65	60

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

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	80	299	13	24	24	22
White Fir	41	141	9	13	12	11
Western Hemlock	5	12		1	1	1
Unit Totals	126	452	22	38	37	34

Unit : 3-4 1 Acres 0 Regen 1 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	41	140	6	11	11	10
White Fir	8	22	1	2	2	2
Unit Totals	49	162	7	13	13	12

Unit : 33-1 5 Acres 0 Regen 5 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	162	508	23	41	41	37
White Fir	6	19	1	2	2	1
Unit Totals	168	527	24	43	43	38

Unit : 33-2 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	67	203	9	16	16	15
White Fir	43	110	7	10	9	9

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

Medford
Skeleton Mtn
TS 11-19

Western Hemlock	2	4				
Unit Totals	112	317	16	26	25	24

Unit : 4-1 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	134	873	39	71	70	64
White Fir	34	138	9	13	12	11
Unit Totals	168	1,011	48	84	82	75

Unit : 4-10 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	195	867	39	70	69	63
White Fir	23	99	6	9	8	8
Unit Totals	218	966	45	79	77	71

Unit : 4-11 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	209	1,105	49	90	88	81
White Fir	135	799	50	74	68	63
Western Hemlock	1	3				
Unit Totals	345	1,907	99	164	156	144

Unit : 4-12 13 Acres 0 Regen 13 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	283	1,228	55	100	98	89
White Fir	114	444	28	41	38	35
Incense-cedar	2	3				
Unit Totals	399	1,675	83	141	136	124

Unit : 4-13 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	86	406	18	33	32	30
White Fir	98	356	22	33	30	28
Incense-cedar	17	25		1	1	1
Unit Totals	201	787	40	67	63	59

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

Medford
Skeleton Mtn
TS 11-19

Unit : 4-15 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	152	947	42	77	76	69
White Fir	81	303	19	28	26	24
Western Hemlock	26	69	1	4	4	4
Unit Totals	259	1,319	62	109	106	97

Unit : 4-2 18 Acres 0 Regen 18 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	214	1,603	72	130	128	117
White Fir	31	231	14	21	20	18
Incense-cedar	1	1				
Unit Totals	246	1,835	86	151	148	135

Unit : 4-3 10 Acres 0 Regen 10 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	115	674	30	55	54	49
White Fir	32	155	10	14	13	12
Western Hemlock	6	18		1	1	1
Unit Totals	153	847	40	70	68	62

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

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	52	254	11	21	20	19
White Fir	14	49	3	5	4	4
Unit Totals	66	303	14	26	24	23

Unit : 4-5 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	52	388	17	31	31	28
White Fir	23	170	11	16	14	13
Incense-cedar	1	1				
Unit Totals	76	559	28	47	45	41

Unit : 4-6 12 Acres 0 Regen 12 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	111	548	25	45	44	40

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

Medford
Skeleton Mtn
TS 11-19

White Fir	38	158	10	15	13	12
Western Hemlock	4	15		1	1	1
Unit Totals	153	721	35	61	58	53

Unit : 4-7 1 Acres 0 Regen 1 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	24	54	2	4	4	4
Western Hemlock	20	41	1	3	3	2
White Fir	8	14	1	1	1	1
Incense-cedar	1	1				
Unit Totals	53	110	4	8	8	7

Unit : 4-8 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	74	390	17	32	31	28
White Fir	6	15	1	1	1	1
Western Hemlock	1	5				
Unit Totals	81	410	18	33	32	29

Unit : 4-9 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	341	1,423	64	116	114	104
White Fir	101	363	23	33	31	28
Unit Totals	442	1,786	87	149	145	132

Unit : 5-1W 4 Acres 0 Regen 4 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	79	226	10	18	18	16
Incense-cedar	2	3				
Unit Totals	81	229	10	18	18	16

Unit : 5-1E 17 Acres 0 Regen 17 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	294	1,487	66	121	119	108
White Fir	3	6		1	1	
Unit Totals	297	1,493	66	122	120	108

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

Medford
Skeleton Mtn
TS 11-19

Unit : 5-2 12 Acres 0 Regen 12 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	163	562	25	46	45	41
White Fir	1	9	1	1	1	1
Incense-cedar	2	3				
Unit Totals	166	574	26	47	46	42

Unit : 5-3 4 Acres 0 Regen 4 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	75	239	11	19	19	17
Western Hemlock	17	30		2	2	2
White Fir	1	3				
Unit Totals	93	272	11	21	21	19

Unit : 7-1E 4 Acres 0 Regen 4 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	71	352	16	29	28	26
Unit Totals	71	352	16	29	28	26

Unit : 7-1W 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	116	284	13	23	23	21
White Fir	5	19	1	2	2	1
Western Hemlock	1	5				
Unit Totals	122	308	14	25	25	22

Unit : 7-2E 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	293	1,237	55	101	99	90
White Fir	1	4				
Unit Totals	294	1,241	55	101	99	90

Unit : 7-3E 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	130	644	29	52	51	47
White Fir	25	125	8	12	11	10

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

Medford
Skeleton Mtn
TS 11-19

Unit Totals	155	769	37	64	62	57
--------------------	------------	------------	-----------	-----------	-----------	-----------

Unit : 7-4E 5 Acres 0 Regen 5 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	79	336	15	27	27	24
White Fir	5	19	1	2	2	1
Unit Totals	84	355	16	29	29	25

Unit : 7-5E 17 Acres 0 Regen 17 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	290	1,260	56	102	101	92
White Fir	19	84	5	8	7	7
Western Hemlock	5	15		1	1	1
Unit Totals	314	1,359	61	111	109	100

Unit : 7-6E 10 Acres 0 Regen 10 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	308	957	43	78	76	70
White Fir	78	259	16	24	22	20
Unit Totals	386	1,216	59	102	98	90

Unit : 7-7E 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	251	792	35	64	63	58
White Fir	49	141	9	13	12	11
Sugar Pine	2	8		1	1	1
Western Hemlock	1	1				
Unit Totals	303	942	44	78	76	70

Unit : 8-1 5 Acres 0 Regen 5 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
White Fir	80	303	19	28	26	24
Douglas-fir	47	173	8	14	14	13
Unit Totals	127	476	27	42	40	37

Unit : 9-1W 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
--------------------	-----------------------	-----------------------	----------------------	--------------------------	-----------------------	------------------------

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

Medford
Skeleton Mtn
TS 11-19

White Fir	41	147	9	14	12	12
Douglas-fir	46	122	5	10	10	9
Incense-cedar	1	1				
Unit Totals	88	270	14	24	22	21

Unit : 9-1E 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	81	401	18	33	32	29
White Fir	14	71	4	7	6	6
Incense-cedar	3	4				
Unit Totals	98	476	22	40	38	35

Unit : 9-2W 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
White Fir	86	305	19	28	26	24
Douglas-fir	74	319	14	26	26	23
Ponderosa Pine	1	4				
Unit Totals	161	628	33	54	52	47

Unit : 9-2E 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	61	336	15	27	27	24
Unit Totals	61	336	15	27	27	24

Unit : 9-3W 4 Acres 0 Regen 4 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
White Fir	96	212	13	19	18	17
Douglas-fir	75	199	9	16	16	15
Unit Totals	171	411	22	35	34	32

Unit : 9-3E 19 Acres 0 Regen 19 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	310	1,451	65	118	116	106
White Fir	10	49	3	5	4	4
Incense-cedar	2	3				
Unit Totals	322	1,503	68	123	120	110

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

Medford
Skeleton Mtn
TS 11-19

Unit : 9-4W 10 Acres 0 Regen 10 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
White Fir	117	413	26	38	35	32
Douglas-fir	76	274	12	22	22	20
Western Hemlock	9	13		1	1	1
Unit Totals	202	700	38	61	58	53

Unit : 9-4E 2 Acres 0 Regen 2 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	8	34	2	3	3	2
White Fir	3	16	1	2	1	1
Incense-cedar	3	4				
Unit Totals	14	54	3	5	4	3

Unit : 9-5W 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	48	216	10	18	17	16
White Fir	26	114	7	11	10	9
Western Hemlock	14	47	1	3	3	3
Unit Totals	88	377	18	32	30	28

Unit : 9-5E 4 Acres 0 Regen 4 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	52	296	13	24	24	22
White Fir	3	14	1	1	1	1
Unit Totals	55	310	14	25	25	23

Unit : 9-6 1 Acres 0 Regen 1 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	23	115	5	9	9	8
Western Hemlock	12	31		2	2	2
White Fir	5	14	1	1	1	1
Unit Totals	40	160	6	12	12	11

Unit : 9-7 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	67	262	12	21	21	19

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

Medford
Skeleton Mtn
TS 11-19

White Fir	11	39	2	4	3	3
Incense-cedar	12	18		1	1	1
Western Hemlock	1	2				
Unit Totals	91	321	14	26	25	23

Unit : 9-8 1 Acres 0 Regen 1 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	32	88	4	7	7	6
White Fir	13	38	2	4	3	3
Unit Totals	45	126	6	11	10	9

Unit : ROW 7 Acres 0 Regen 0 Partial 7 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	635	2,753	123	224	220	201
White Fir	78	347	22	32	29	27
Ponderosa Pine	6	24	2	3	3	2
Sugar Pine	4	16		3	3	2
Western Hemlock	15	38	1	2	2	2
Incense-cedar	13	19		1	1	1
Unit Totals	751	3,197	148	265	258	235

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

Medford
Skeleton Mtn
TS 11-19

Stump to Truck Costs

Total (16' MBF)

Total Stump to Truck Costs	Net Volume	Cost / Net Volume
\$ 734,979.67	3,670	\$ 200.27

Detail

Yarding & Loading

Yarding System	Unit Of Measure	Units	Cost / Unit	Total Cost
Med Twr=40-70	GM MBF	2,126	\$ 189.73	\$ 403,365.98
Short Twr<40	GM MBF	1,090	\$ 147.10	\$ 160,339.00
Track Skidder	GM MBF	800	\$ 115.99	\$ 92,792.00
Subtotal				\$ 656,496.98

Other Costs

Explanation	Unit Of Measure	Units	Cost / Unit	Total Cost
Op spur const/decomm	Sta	107	\$ 423.67	\$ 45,332.69
Lift Trees	Tree	70	\$ 150.00	\$ 10,500.00
Cat for Deadman	Hr	16	\$ 75.00	\$ 1,200.00
Subtotal				\$ 57,032.69

Additional Move-Ins

Equipment	# Move-In	Cost / Move In	Total Cost
Yarder / Loader	4	\$ 2,400.00	\$ 9,600.00
Yarder / Loader	4	\$ 2,400.00	\$ 9,600.00
Dozer	5	\$ 450.00	\$ 2,250.00
Subtotal			\$ 21,450.00

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

Medford
Skeleton Mtn
TS 11-19

Other Allowances Costs

Total (16' MBF)

Total Other Allowances Costs	Net Volume	Cost / Net Volume *	Total Buy Out Cost
\$30,152.00	3,670	\$8.22	\$0.00

Fuels Treatment

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Lop and Scatter-Lvl 2	\$ 6,750.00	\$ 1.84	N	\$ 0.00
Subtotal	\$ 6,750.00	\$ 1.84		\$ 0.00

Misc

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Ripper Cat Transport	\$ 800.00	\$ 0.22	N	\$ 0.00
Subtotal	\$ 800.00	\$ 0.22		\$ 0.00

Other Costs

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Ripping	\$ 450.00	\$ 0.12	N	\$ 0.00
Waterbar Skids	\$ 3,000.00	\$ 0.82	N	\$ 0.00
Skid Location	\$ 352.00	\$ 0.10	N	\$ 0.00
Equipment Washing	\$ 900.00	\$ 0.25	N	\$ 0.00
Hand Seeding @ 17 lb seed per hour	\$ 9,500.00	\$ 2.59	N	\$ 0.00
Landing Clean up	\$ 7,800.00	\$ 2.13	N	\$ 0.00
Landing Construction	\$ 600.00	\$ 0.16	N	\$ 0.00
Subtotal	\$ 22,602.00	\$ 6.16		\$ 0.00

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

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

Medford
Skeleton Mtn
TS 11-19

General

Yarding & Loading

Op spur const/decomm costs per engineer department. See Sec E for specs.
Lift trees /Cat for Deadman per Layout.
Additional Move-Ins= Due to BST road surface/distance. 1 Yarder/loader= Medium swing with loader. 2 Yarder/loader= Yoader with additional loader for cat side.
Yarding System:
Med Twr = Swing Yarder with 50'+ Boom
Short Twr = Dual winch Yoader with 40' Boom
Track Skidder = Any tractor/skidder
Tractor Swing costs included in Yarder costs.

Road Costs

Op spur construction/decommission not included above.

(see Engineering Appraisal for details).

Transportation

From FS Haul Costs ver 72.

(see Transportation appendix for details).

Other Allowances

Prospectus

Douglas Fir, White Fir, Western Hemlock 3P Cruise. Sugar Pine, Ponderosa Pine, Incense Cedar STR Cruise. Sample Error 6.09% Form Class DF 79, WF 83, WH 78, SP 78, PP 80, IC 66.
DF & WF Form classes were measured, all other species used District avg. All units blue marked except RWs.
Contract acres differ from appraisal due to ROW acres(7 ac).

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1. Road Use Fees - Amortization

Rockwear fee for use of FS Roads

R/W Number	Road Number	Rd Use Fee	Vol x MBF	Road Use Obligation
USFS	Spur Roads	1.00	39	\$39.30

(1) Subtotal \$39.30

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

Road Number and Segment	A Surf N Type	Maint Mi	Vol x Fee	Vol x MBF	Total = Maint
34-3-24.00	A BST1	3.20	0.65	97	\$201.76
34-3-24.00	A BST1	2.48	0.65	119	\$191.83
34-3-24.00	A BST1	4.62	0.65	301	\$903.90
34-3-24.00	A BST1	5.92	0.65	2128	\$8188.54
33-3-34.01	A BST1	0.49	0.65	134	\$42.68
33-3-34.01	A BST1	2.07	0.65	541	\$727.92
33-3-34.01	A BST1	3.83	0.65	1827	\$4548.32
33-2-33.00	A BST1	0.74	0.65	1347	\$647.91
33-2-33.00	A BST1	3.52	0.65	1542	\$3528.10

(2.1) Subtotal \$18980.95

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

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

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

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

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

(3.1) Subtotal

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

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

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

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

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

(4.1) Subtotal (4.2) Subtotal

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

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

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

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

MAINTENANCE (5.1)					ROCKWEAR (5.2) 2/ 3/		
Road Number and Segment	A N	Maint Mi	Vol x Fee	Total x C.Y. = Maint	Rkwear Mi	Vol x Fee	Total 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/ and Segment	A N	Mi	x	RkWear Fee	x	Vol MBF	=	Total RkWear	Mi	x	RkWear Fee	x	Vol C.Y.	=	Total RkWear
32-2-33.02	A	0.07	0.51	62				\$2.21							
32-2-33.08	A	0.64	0.51	62				\$20.24							
33-2-4.00	A	2.00	0.51	108				\$110.16							
33-2-7.00	A	0.42	0.51	962				\$206.06							
33-2-7.01	N	0.10	0.51	1177				\$60.03							
33-2-7.01	N	1.67	0.51	170				\$144.79							
33-2-7.02	N	1.60	0.51	1007				\$821.71							
33-2-7.04	N	0.27	0.00	45				\$0.00	0.00	0.00		0			\$0.00
33-2-7.05	N	0.25	0.00	57				\$0.00	0.00	0.00		0			\$0.00
33-2-9.00	N	0.41	0.51	29				\$6.06							
33-2-9.03	N	1.26	0.51	136				\$87.39							
33-2-9.03	N	0.34	0.51	23				\$3.99							
33-2-17.00	A	1.63	0.51	1177				\$978.44							
33-2-20.00	N	3.93	0.51	195				\$390.84							
33-2-20.00	N	0.25	0.51	166				\$21.17							
33-2-33.00	A	2.75	0.51	170				\$238.43							
33-2-33.00	A	1.25	0.51	62				\$39.53							
33-3-1.00	N	0.28	0.51	334				\$47.70							
33-3-1.01A	N	0.03	0.51	334				\$5.11							
33-3-1.05	A	0.95	0.51	331				\$160.37							
33-3-2.00	N	0.87	0.51	407				\$180.59							
33-3-2.00	N	0.81	0.51	207				\$85.51							
33-3-2.00	N	0.41	0.51	100				\$20.91							
33-3-3.00	A	1.00	0.51	97				\$49.47							
33-3-3.00	A	1.91	0.51	39				\$37.99							
33-3-3.00	A	0.73	0.51	20				\$7.45							
33-3-3.00	A	0.80	0.51	951				\$388.01							
33-3-3.00	A	0.32	0.51	232				\$37.86							
33-3-3.00	A	0.82	0.51	179				\$74.86							
33-3-3.00	A	0.87	0.51	28				\$12.42							
33-3-3.00	A	1.48	0.51	134				\$101.14							
33-3-3.01	N	0.64	0.51	28				\$9.14							
33-3-3.01	N	0.37	0.51	49				\$9.25							
33-3-4.00	N	0.20	0.51	684				\$69.77							
33-3-4.00	N	0.44	0.51	480				\$107.71							
33-3-4.00	N	0.14	0.51	380				\$27.13							
33-3-4.01	N	0.29	0.51	179				\$26.47							
33-3-4.01	N	0.59	0.51	41				\$12.34							
33-3-4.04	N	0.30	0.51	21				\$3.21							
33-3-8.00	N	0.35	0.51	951				\$169.75							
33-3-8.00	N	0.45	0.51	810				\$185.90							
33-3-8.00	N	0.47	0.51	29				\$6.95							
33-3-8.01	A	0.79	0.51	19				\$7.66							
33-3-9.00	N	0.40	0.51	13				\$2.65							
33-3-9.01	N	0.80	0.51	77				\$31.42							

33-3-9.03	N	0.05	0.51	10	\$0.26
33-3-10.00	N	0.68	0.51	407	\$141.15
33-3-11.06	N	0.34	0.51	100	\$17.34
33-3-12.01	N	0.62	0.51	719	\$227.35
33-3-12.02	N	0.12	0.51	719	\$44.00
33-3-12.02	N	0.96	0.51	54	\$26.44
33-3-22.01	N	2.19	0.51	1286	\$1436.33
33-3-22.01	N	0.13	0.51	1273	\$84.40
33-3-22.01	N	0.76	0.51	1264	\$489.93
33-3-22.01	N	0.90	0.51	1215	\$557.69
33-3-30.01	N	3.94	0.51	182	\$365.71
FS200	N	0.35	0.51	100	\$17.85
FS300	N	0.19	0.51	41	\$3.97
FS310	N	0.11	0.51	41	\$2.30
FS635	N	0.06	0.51	85	\$2.60
FS635	N	0.07	0.51	45	\$1.61
FS636	N	0.11	0.51	40	\$2.24
33-3-9.01	N	0.10	0.51	124	\$6.32

(7.1) Subtotal \$8437.25

(7.2) Subtotal \$0.00

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

7. Purchaser Operational Maintenance

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

7.3A Move In

Equipment 1/	No Units	Move x in	Cost/ 50 Mi x	Dist Factor	Sub- total
Motor Grader:	1	2	\$335.00	0.67	\$448.90
Back Hoe:	1	2	\$335.00	0.67	\$448.90
Loader:			\$335.00	0.59	\$0.00
Water Truck:	1	2	\$206.00	0.67	\$276.04
Dump Truck 2/:	1	2	\$214.00	0.67	\$286.76

(7.3A) Total \$1460.60

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

7.3B Culvert Maintenance - Including Catchbasins and Downpipes 1/

Miles	x	Cost/Mi	=	Subtotal
292.45				\$0.00

Type	CMP	No	CMPS	x	Cost/CMP	=	Subtotal
Class I		10		50			\$500.00

(7.3B) Total \$500.00

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

7.3C Grading (Includes Ditches and Shoulders) 1/

	<u>Miles</u>	<u>x</u>	<u>Cost/Mi</u>	<u>x</u>	<u>Freq</u>	<u>= Subtotal</u>
Blade Road:	10.00		459.60		1	\$4596.00
Blade Ditch:	0.00		153.20		0	\$0.00

(7.3C) Total \$4596.00

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

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

Type	No Slides	Hours	Equip		
Equipment	/Slumps	x Each	x Cost	=	Subtotal
Grader:	0	0	119.90		\$0.00
Loader:	0	0	84.43		\$0.00
Backhoe:	3	3	62.55		\$562.95

(7.3D) Total \$562.95

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

<u>Miles</u>	<u>/</u>	<u>MPH</u>	<u>=</u>	<u>Hours</u>	<u>x</u>	<u>No</u>	<u>Freq</u>	<u>Truck</u>
						<u>Days</u>	<u>/Day</u>	<u>Hours</u>
20.00		10		2.0		20	2	80.0
Load & Haul-Roundtrip =				1.0		20	2	40.0
Fixed Hours (3000 Gal. tanker)								
Total Hours =								120.0

Truck Cost: \$82.33/Hr. x 120.0 Hours = \$9879.60

(7.3E) Total \$9879.60

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:	100 C.Y. x \$1.30/C.Y.	=	\$130.00
Haul from Stockpile:	100 C.Y. x \$2.18/C.Y. x 5.00 Mi	=	\$1090.00
Process with Grader:	100 C.Y. x \$1.00/C.Y.	=	\$100.00

(7.3F) Total \$1320.00

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/	8.0 Hours x \$40.00/Hour = \$320.00
Brush Cutting/Tree Trimming: 2/	8.0 Hours x \$40.00/Hour = \$320.00
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 \$640.00

- 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: Skeleton Mt. Sale Date: 9-11

Prepared by: L. Kalvels Ph: 618-2288 Print Date: 7/22/2011 9:09:08 AM

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

Improve: 0.00 sta Renov: 2618.36 sta Decom: 0.00 sta Temp: 0.00 sta

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing: 0.0 sta Grubbing: 0.0 acres	
Slash Treatment: 0.0 acres	
300 Excavation:	\$0.00
Haul: 0 sta-yds	
400 Drainage:	\$1,221.60
Culvert: 40 lf wt = 600 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$44,718.80
Blading 49.59 mi	
Surfacing:	\$25,795.63
Quarry Name: stockpile 32-3-sec31 1,484 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: 48.5 acres	\$15,304.23
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:	\$5,150.00
Mobilization: Const. \$1,838.95 Surf. \$1,683.00.....	\$3,521.95
Quarry Development:	\$0.00

Total: 3,670 mbf @ \$26.08/mbf = \$95,712.21

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

File S:\Butte Falls\ENGINEERING\BF_Timber_Sales\evans11skeletonmt\skeletonmt\skltnmtcosts.mdb

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Skeleton Mt. Sale Date: 9-11

Road Number: 32-2W-33.02 Road Name:

Road Renovation: 0.07 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:	\$63.37
Blading 0.07 mi	
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: 0.1 acres	\$31.21
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. \$1.89 Surf. \$0.00.....	\$1.89
Quarry Development:	\$0.00
Total:	\$96.47

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: Skeleton Mt. Sale Date: 9-11

Road Number: 32-2W-33.08 Road Name: E. Fork Evans Hd wtr

Road Renovation: 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:	\$579.36
Blading 0.64 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.6 acres	\$187.28
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. \$15.29 Surf. \$0.00.....	\$15.29
Quarry Development:	\$0.00
Total:	\$781.94

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: Skeleton Mt. Sale Date: 9-11

Road Number: 32-3W-31.00 Road Name: Stockpile Spur

Road Renovation: 0.12 mi 12 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:	\$108.63
Blading 0.12 mi	
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: 0.1 acres	\$31.21
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$2.79 Surf. \$0.00.....	\$2.79
Quarry Development:	\$0.00
Total:	\$142.63

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-04.00 Road Name: RR Gap ML

Road Renovation: 2.00 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:	\$1,810.50
Blading 2.00 mi	
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: 2.0 acres	\$624.28
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. \$48.57 Surf. \$0.00.....	\$48.57
Quarry Development:	\$0.00
Total:	\$2,483.35

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-07.00 Road Name: Angel Camp Top ML

Road Renovation: 0.42 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:	\$380.21
Blading 0.42 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.4 acres	\$124.86
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. \$10.07 Surf. \$0.00.....	\$10.07
Quarry Development:	\$0.00
Total:	\$515.14

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-07.01 Road Name: N. Round Top

Road Renovation: 1.85 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:	\$1,674.71
Blading 1.85 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 1.8 acres	\$561.85
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. \$44.61 Surf. \$0.00.....	\$44.61
Quarry Development:	\$0.00
Total:	\$2,281.18

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-07.02 Road Name: Angel Camp

Road Renovation: 1.73 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:	\$1,566.08
Blading 1.73 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 1.7 acres	\$530.64
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$41.82 Surf. \$0.00.....	\$41.82
Quarry Development:	\$0.00
Total:	\$2,138.54

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-07.04 Road Name: Round Top

Road Renovation: 0.27 mi 12 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:	\$244.42
Blading 0.27 mi	
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: 0.3 acres	\$93.64
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$3,000.00
Mobilization: Const. \$66.59 Surf. \$0.00.....	\$66.59
Quarry Development:	\$0.00
Total:	\$3,404.64

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-07.05 Road Name: Divide Spur

Road Renovation: 0.25 mi 12 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:	\$153.20
Blading 0.25 mi	
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: 0.2 acres	\$62.43
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:	\$1,550.00
Mobilization: Const. \$35.22 Surf. \$0.00.....	\$35.22
Quarry Development:	\$0.00
Total:	\$1,800.85

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-09.00 Road Name: Cleveland Ridge PC

Road Renovation: 0.41 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:	\$371.15
Blading 0.41 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.4 acres	\$124.86
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. \$9.89 Surf. \$0.00.....	\$9.89
Quarry Development:	\$0.00
Total:	\$505.90

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-09.03 Road Name: Cleveland Ridge Spur

Road Renovation: 1.57 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:	\$1,421.24
Blading 1.57 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 1.5 acres	\$468.21
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. \$37.69 Surf. \$0.00.....	\$37.69
Quarry Development:	\$0.00
Total:	\$1,927.14

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-17.00 Road Name: Angel Camp ML

Road Renovation: 1.56 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:	\$1,412.19
Blading 1.56 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 1.5 acres	\$468.21
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. \$37.51 Surf. \$0.00.....	\$37.51
Quarry Development:	\$0.00
Total:	\$1,917.91

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-20.00 Road Name: Cleveland Ridge

Road Renovation: 4.15 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:	\$3,756.79
Blading 4.15 mi	
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: 4.0 acres	\$1,248.56
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. \$99.84 Surf. \$0.00.....	\$99.84
Quarry Development:	\$0.00
Total:	\$5,105.19

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-2W-33.00 Road Name: East Fork Evans

Road Renovation: 4.01 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:	\$3,630.05
Blading 4.01 mi	
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: 3.9 acres	\$1,217.35
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. \$96.69 Surf. \$0.00.....	\$96.69
Quarry Development:	\$0.00
	Total: \$4,944.09

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-01.00 Road Name: Ange4l Camp D

Road Renovation: 0.28 mi 12 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:	\$253.47
Blading 0.28 mi	
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: 0.3 acres	\$93.64
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$6.92 Surf. \$0.00.....	\$6.92
Quarry Development:	\$0.00
Total:	\$354.04

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-01.01 Road Name: Angel Camp Sp 1

Road Renovation: 0.03 mi 12 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:	\$27.16
Blading 0.03 mi	
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	\$18.73
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. \$0.92 Surf. \$0.00.....	\$0.92
Quarry Development:	\$0.00
Total:	\$46.80

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-01.05 Road Name: Angel Camp Sp 5

Road Renovation: 0.95 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:	\$859.99
Blading 0.95 mi	
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: 0.9 acres	\$280.93
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. \$22.76 Surf. \$0.00.....	\$22.76
Quarry Development:	\$0.00
Total:	\$1,163.67

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-02.00 Road Name: Rock Creek E. ML

Road Renovation: 2.13 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:	\$1,928.18
Blading 2.13 mi	
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: 2.1 acres	\$655.49
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. \$51.54 Surf. \$0.00.....	\$51.54
Quarry Development:	\$0.00
Total:	\$2,635.21

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-03.00 Road Name: Skeleton Mt.

Road Renovation: 7.92 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:	\$1,221.60
Culvert: 40 lf wt = 600 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$7,169.58
Blading 7.92 mi	
Surfacing:	\$25,795.63
Quarry Name: stockpile 32-3-sec31 1,484 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: 7.7 acres	\$2,403.48
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. \$729.88 Surf. \$1,683.00.....	\$2,412.88
Quarry Development:	\$0.00

Total: \$39,003.17

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-03.01 Road Name: Skeleton Tie

Road Renovation: 2.40 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:	\$2,172.60
Blading 2.40 mi	
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: 2.3 acres	\$717.92
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. \$57.66 Surf. \$0.00.....	\$57.66
Quarry Development:	\$0.00
Total:	\$2,948.18

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-03.02 Road Name: PC Spur

Road Renovation: 0.07 mi 12 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:	\$63.37
Blading 0.07 mi	
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: 0.1 acres	\$31.21
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. \$1.89 Surf. \$0.00.....	\$1.89
Quarry Development:	\$0.00
Total:	\$96.47

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-04.00 Road Name: Rockhead

Road Renovation: 0.74 mi 12 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:	\$669.89
Blading 0.74 mi	
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: 0.7 acres	\$218.50
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. \$17.72 Surf. \$0.00.....	\$17.72
Quarry Development:	\$0.00
Total:	\$906.10

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-04.01 Road Name: Rockhead B

Road Renovation: 0.88 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:	\$796.62
Blading 0.88 mi	
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: 0.9 acres	\$280.93
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. \$21.49 Surf. \$0.00.....	\$21.49
Quarry Development:	\$0.00
Total:	\$1,099.04

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-04.04 Road Name: Rockhead Spur 4

Road Renovation: 0.30 mi 12 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:	\$271.58
Blading 0.30 mi	
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: 0.3 acres	\$93.64
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$7.29 Surf. \$0.00.....	\$7.29
Quarry Development:	\$0.00
Total:	\$372.50

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-08.00 Road Name: Rockhead P

Road Renovation: 1.27 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:	\$1,149.67
Blading 1.27 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 1.3 acres	\$396.42
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. \$30.84 Surf. \$0.00.....	\$30.84
Quarry Development:	\$0.00
Total:	\$1,576.93

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-08.01 Road Name: lower Rockhead

Road Renovation: 0.79 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:	\$715.15
Blading 0.79 mi	
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: 0.8 acres	\$249.71
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. \$19.25 Surf. \$0.00.....	\$19.25
Quarry Development:	\$0.00
Total:	\$984.11

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-09.00 Road Name: Spring Spur

Road Renovation: 0.40 mi 12 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:	\$362.10
Blading 0.40 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.4 acres	\$124.86
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. \$9.71 Surf. \$0.00.....	\$9.71
Quarry Development:	\$0.00
Total:	\$496.67

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-09.01 Road Name: Rockhead P2

Road Renovation: 0.90 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:	\$814.73
Blading 0.90 mi	
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: 0.9 acres	\$280.93
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. \$21.86 Surf. \$0.00.....	\$21.86
Quarry Development:	\$0.00
Total:	\$1,117.51

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-09.03 Road Name: 3.01 Spur

Road Renovation: 0.05 mi 12 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:	\$45.26
Blading 0.05 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.4 acres	\$218.50
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$5.26 Surf. \$0.00.....	\$5.26
Quarry Development:	\$0.00
Total:	\$269.02

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-10.00 Road Name: Rock Creek E.

Road Renovation: 0.68 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:	\$615.57
Blading 0.68 mi	
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: 0.7 acres	\$218.50
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. \$16.64 Surf. \$0.00.....	\$16.64
Quarry Development:	\$0.00
Total:	\$850.71

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-11.06 Road Name: Right Way Ridge

Road Renovation: 0.34 mi 12 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:	\$208.35
Blading 0.34 mi	
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: 0.3 acres	\$156.07
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. \$7.27 Surf. \$0.00.....	\$7.27
Quarry Development:	\$0.00
Total:	\$371.69

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-12.01 Road Name: Ridge Top

Road Renovation: 0.62 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:	\$561.26
Blading 0.62 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.6 acres	\$187.28
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. \$14.93 Surf. \$0.00.....	\$14.93
Quarry Development:	\$0.00
Total:	\$763.47

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-12.02 Road Name: Angel Ridge

Road Renovation: 1.02 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:	\$923.36
Blading 1.02 mi	
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: 0.8 acres	\$249.71
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. \$23.40 Surf. \$0.00.....	\$23.40
Quarry Development:	\$0.00
Total:	\$1,196.47

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-22.01 Road Name: Sec. 15 ML

Road Renovation: 3.80 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:	\$3,439.95
Blading 3.80 mi	
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: 3.7 acres	\$1,154.92
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. \$91.66 Surf. \$0.00.....	\$91.66
Quarry Development:	\$0.00
	Total: \$4,686.52

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: Skeleton Mt. Sale Date: 9-11

Road Number: 33-3W-30.01 Road Name: Sand Divide

Road Renovation: 4.08 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:	\$3,693.42
Blading 4.08 mi	
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: 4.0 acres	\$1,248.56
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. \$98.58 Surf. \$0.00.....	\$98.58
Quarry Development:	\$0.00
	Total: \$5,040.56

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: Skeleton Mt. Sale Date: 9-11

Road Number: FS200 Road Name: Rockhead Spur

Road Renovation: 0.35 mi 12 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:	\$316.84
Blading 0.35 mi	
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: 0.3 acres	\$93.64
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$8.19 Surf. \$0.00.....	\$8.19
Quarry Development:	\$0.00
Total:	\$418.67

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: Skeleton Mt. Sale Date: 9-11

Road Number: FS300 Road Name: Se. 34 ML

Road Renovation: 0.19 mi 12 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:	\$172.00
Blading 0.19 mi	
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: 0.2 acres	\$62.43
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:	\$600.00
Mobilization: Const. \$16.64 Surf. \$0.00.....	\$16.64
Quarry Development:	\$0.00
Total:	\$851.07

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: Skeleton Mt. Sale Date: 9-11

Road Number: FS310 Road Name: Sec. 4 Spur

Road Renovation: 0.11 mi 12 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:	\$99.58
Blading 0.11 mi	
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: 0.1 acres	\$31.21
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$2.61 Surf. \$0.00.....	\$2.61
Quarry Development:	\$0.00
Total:	\$133.40

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: Skeleton Mt. Sale Date: 9-11

Road Number: FS635 Road Name: Divide

Road Renovation: 0.13 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:	\$117.68
Blading 0.13 mi	
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: 0.1 acres	\$31.21
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$2.97 Surf. \$0.00.....	\$2.97
Quarry Development:	\$0.00
Total:	\$151.87

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: Skeleton Mt. Sale Date: 9-11

Road Number: FS636 Road Name: Divide

Road Renovation: 0.11 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:	\$99.58
Blading 0.11 mi	
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: 0.1 acres	\$31.21
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$2.61 Surf. \$0.00.....	\$2.61
Quarry Development:	\$0.00
	Total: \$133.40

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mobilization Costs - Construction and Surfacing

T.S. Contract Name: Skeleton Mt. Sale Date: 9-11

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

Hydro-Mulcher: 1 ea x (1.00 x \$126.00/ea + 0 mi x \$3.36/mi)= \$126.00
Graders-all: 1 ea x (1.00 x \$335.00/ea + 5 mi x \$11.99/mi)= \$394.95
Brush Cutter: 1 ea x (1.00 x \$335.00/ea) = \$335.00
Loaders < 3cy: 1 ea x (1.00 x \$335.00/ea + 0 mi x \$7.10/mi)= \$335.00
Excavators: 1 ea x (1.00 x \$648.00/ea + 0 mi x \$21.65/mi)= \$648.00

Subtotal: \$1,838.95

Mobilization: Surfacing

Loaders > 3cy: 1ea x (1.00 x \$492.00/ea + 0 mi x \$11.47/mi)= \$492.00
Rollers & Comp: 1ea x (1.00 x \$335.00/ea + 0 mi x \$19.20/mi)= \$335.00
Dump Truck >10cy: 4ea x (1.00 x \$214.00/ea + 0 mi x \$4.29/mi)= \$856.00

Subtotal: \$1,683.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of Construction Quantities

T.S. Contract Name: Skeleton Mt. Sale Date: 9-11

Road Number	Const	Improv	Renov	Decomm	Temp
32-2W-33.02			3.70		
32-2W-33.08			33.79		
32-3W-31.00			6.34		
33-2W-04.00			105.60		
33-2W-07.00			22.18		
33-2W-07.01			97.68		
33-2W-07.02			91.34		
33-2W-07.04			14.26		
33-2W-07.05			13.20		
33-2W-09.00			21.65		
33-2W-09.03			82.90		
33-2W-17.00			82.37		
33-2W-20.00			219.12		
33-2W-33.00			211.73		
33-3W-01.00			14.78		
33-3W-01.01			1.58		
33-3W-01.05			50.16		
33-3W-02.00			112.46		
33-3W-03.00			418.18		
33-3W-03.01			126.72		
33-3W-03.02			3.70		
33-3W-04.00			39.07		
33-3W-04.01			46.46		
33-3W-04.04			15.84		
33-3W-08.00			67.06		
33-3W-08.01			41.71		
33-3W-09.00			21.12		
33-3W-09.01			47.52		
33-3W-09.03			2.64		
33-3W-10.00			35.90		
33-3W-11.06			17.95		
33-3W-12.01			32.74		
33-3W-12.02			53.86		
33-3W-22.01			200.64		
33-3W-30.01			215.42		
FS200			18.48		
FS300			10.03		
FS310			5.81		
FS635			6.86		
FS636			5.81		

Total Sta:	_____	_____	2,618.36	_____	_____
------------	-------	-------	----------	-------	-------

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

Continuation of Construction Quantities

400 Drainage

33-3W-03.00 Aluminized 18 inch 16 ga 40 lf

500 Renovation

Miles Slide cy

32-2W-33.02	0.07	0
32-2W-33.08	0.64	0
32-3W-31.00	0.12	0
33-2W-04.00	2.00	0
33-2W-07.00	0.42	0
33-2W-07.01	1.85	0
33-2W-07.02	1.73	0
33-2W-07.04	0.27	0
33-2W-07.05	0.25	0
33-2W-09.00	0.41	0
33-2W-09.03	1.57	0
33-2W-17.00	1.56	0
33-2W-20.00	4.15	0
33-2W-33.00	4.01	0
33-3W-01.00	0.28	0
33-3W-01.01	0.03	0
33-3W-01.05	0.95	0
33-3W-02.00	2.13	0
33-3W-03.00	7.92	0
33-3W-03.01	2.40	0
33-3W-03.02	0.07	0
33-3W-04.00	0.74	0
33-3W-04.01	0.88	0
33-3W-04.04	0.30	0
33-3W-08.00	1.27	0
33-3W-08.01	0.79	0
33-3W-09.00	0.40	0
33-3W-09.01	0.90	0
33-3W-09.03	0.05	0
33-3W-10.00	0.68	0
33-3W-11.06	0.34	0
33-3W-12.01	0.62	0
33-3W-12.02	1.02	0
33-3W-22.01	3.80	0
33-3W-30.01	4.08	0
FS200	0.35	0
FS300	0.19	0
FS310	0.11	0
FS635	0.13	0
FS636	0.11	0

Totals:	49.59	0
---------	-------	---

Surfacing (Cubic Yards)

Quarry Name: stockpile 32-3-sec31

1000 Crushed 1 1/2 to 3 in	Roadway	Turnouts	Other	
33-3W-03.00	1,484	0	0	1,484
Totals:	1,484	0	0	1,484

1300 Geotextiles

Totals: No Quantities

1400 Slope Protection

Continuation of Construction Quantities

Totals: 0

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

1900 Cattleguards

Totals: No Quantities

2100 RoadSide Brushing acres

32-2W-33.02	0.1
32-2W-33.08	0.6
32-3W-31.00	0.1
33-2W-04.00	2.0
33-2W-07.00	0.4
33-2W-07.01	1.8
33-2W-07.02	1.7
33-2W-07.04	0.3
33-2W-07.05	0.2
33-2W-09.00	0.4
33-2W-09.03	1.5
33-2W-17.00	1.5
33-2W-20.00	4.0
33-2W-33.00	3.9
33-3W-01.00	0.3
33-3W-01.01	0.0
33-3W-01.05	0.9
33-3W-02.00	2.1
33-3W-03.00	7.7
33-3W-03.01	2.3
33-3W-03.02	0.1
33-3W-04.00	0.7
33-3W-04.01	0.9
33-3W-04.04	0.3
33-3W-08.00	1.3
33-3W-08.01	0.8
33-3W-09.00	0.4
33-3W-09.01	0.9
33-3W-09.03	0.4
33-3W-10.00	0.7
33-3W-11.06	0.3
33-3W-12.01	0.6
33-3W-12.02	0.8
33-3W-22.01	3.7
33-3W-30.01	4.0
FS200	0.3
FS300	0.2
FS310	0.1
FS635	0.1
FS636	0.1

Totals: 48.5

2200 Surface Treatment tons L.F.

Totals: No Quantities

Continuation of Construction Quantities

2300 Engineering stations

Totals: 0.00

2400 Minor Concrete

Totals: No Quantities

2500 Gabions

Totals: No Quantities

8000 Miscellaneous

Decommission

33-2W-07.04 Remove CMPs & waterbar 0.27 mi

33-2W-07.04 Barricade 1 ea

Decommission

33-2W-07.05 Rip Waterbar Seed Mulch 0.25 mi

33-2W-07.05 Barricade 1 ea

Barricade

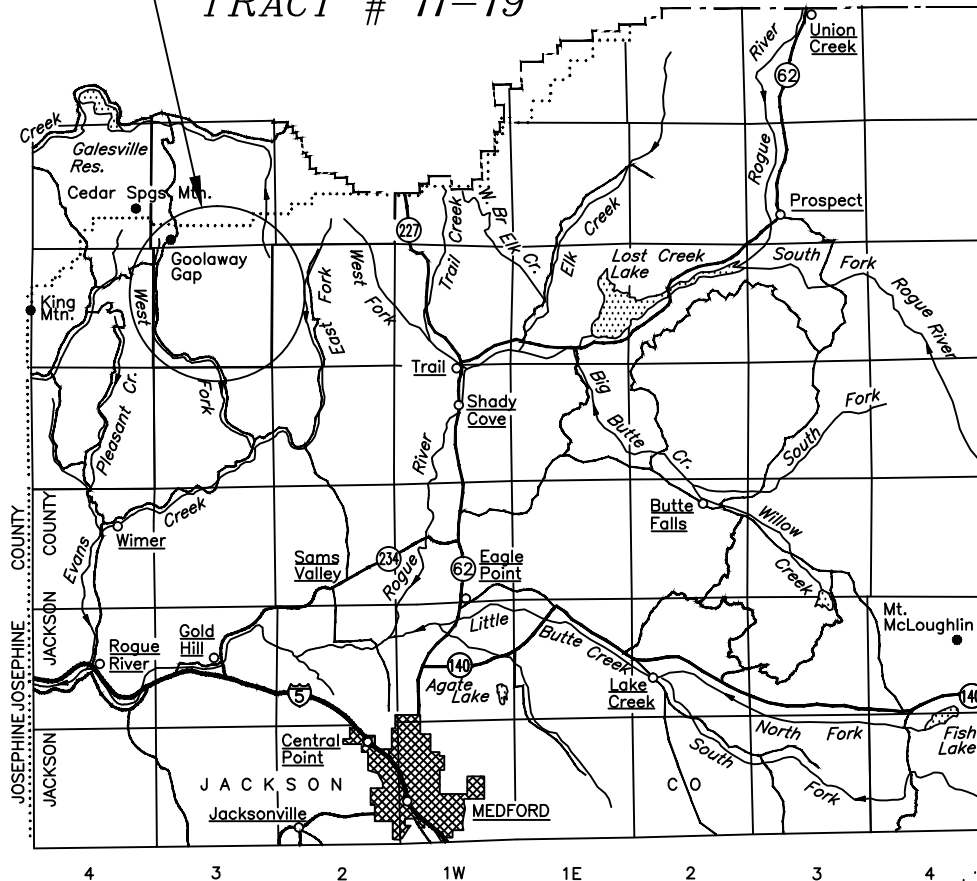
FS300 block road at two locations begining of rd 2 ea



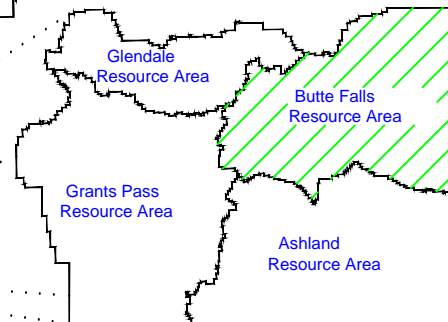
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT BUTTE FALLS RESOURCE AREA

EXHIBIT C-1
SHEET 1 OF 1

SKELETON MT TS
TRACT # 11-19



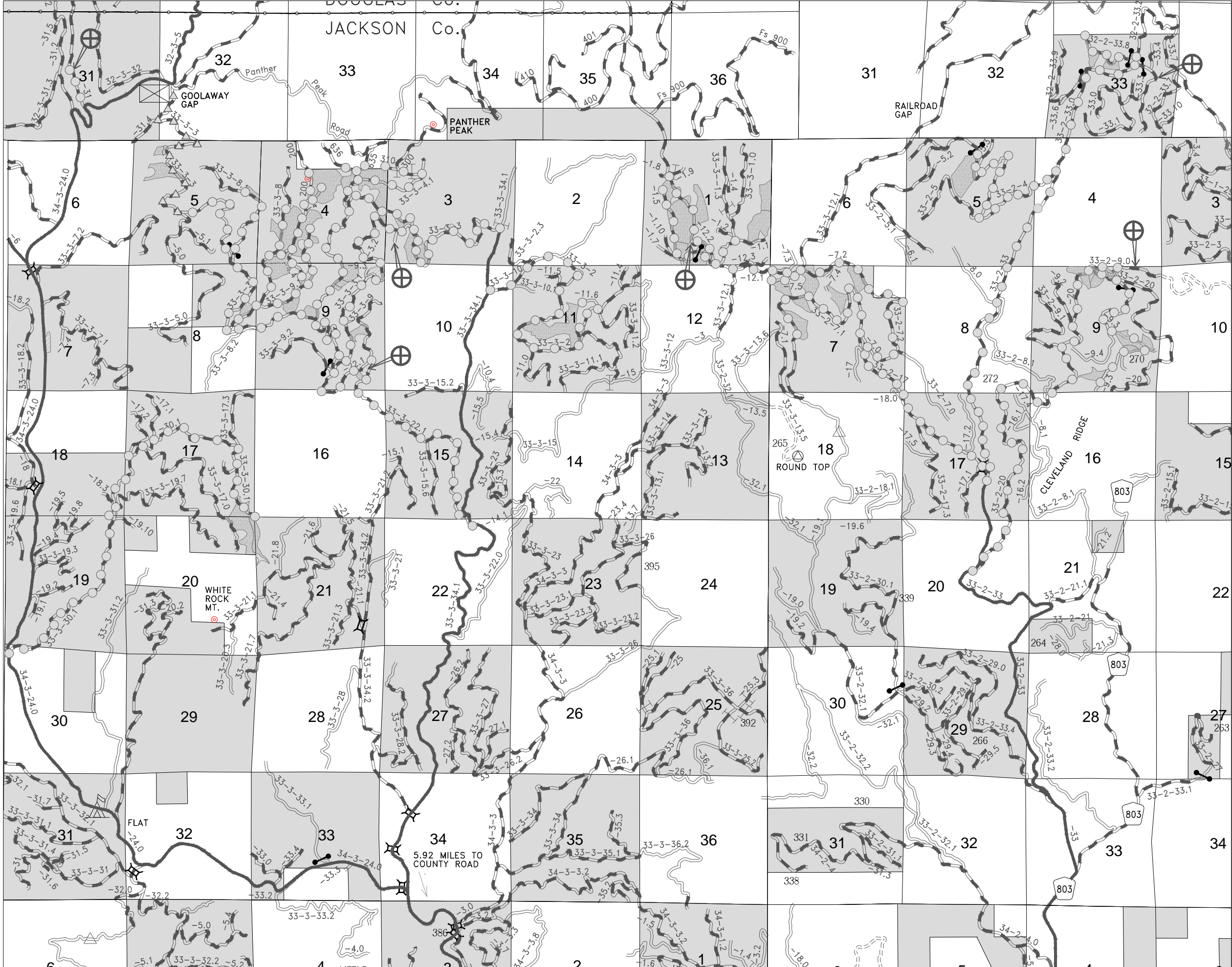
0 6 12
SCALE IN MILES



Medford District BLM

Exhibit No.	Description
C-1	TITLE SHEET
C-2	ROAD LOCATION MAP
C-3	ESTIMATE OF QUANTITIES
C-4	SPECIFICATION SHEET
C-5	TYPICAL ROAD DATA
C-6	CULVERT BAND DETAIL
C-7	CULVERT INSTALLATION DETAILS
C-8	DRAINAGE AND EROSION CONTROL INSTALL.
C-9	CULVERT LIST
C-10	ROADSIDE BRUSHING DETAILS
C-11	CONSTRUCTION SPECIFICATIONS
C-12	ROAD RENOVATION WORKLISTS
D-1	ROAD MAINTENANCE SPECIFICATIONS
D-2	ROAD MAINTENANCE MAP

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
MEDFORD TITLE SHEET OREGON	
ENGINEERING APPROVAL SUBMITTED _____ RECOMMENDED _____ APPROVED _____	
DRAWN: BGS SCALE: AS SHOWN	
DATE: JULY, 2011 SHEET 1 OF 1	
DRAWING NO. OR 117-390721-01	



SKELETON MTN TIMBER SALE
CONTRACT NO. 11-19
EXHIBIT C-2

U.S.D.I. BLM MEDFORD DISTRICT
SKELETON MOUNTAIN ROAD LOCATION MAP
T33S R2W, T33S R3W

- WATER SOURCE
- EXISTING GATE
- EXISTING ROAD
- ROAD TO BE RENOVATED
- ROAD TO BE RENOVATED AND SURFACED
- STOCKPILE
- SALE UNITS
- BLM

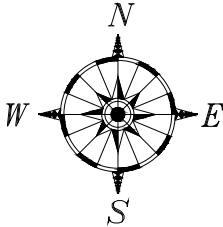


EXHIBIT C 3
SHEET 1 OF 2
SKELETON MT. TIMBER SALE

ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		CORRUGATED METAL PIPE								RENOVATION	WD/AWD	AGGREGATE**							SOIL STABILIZATION	ROADSIDE BRUSHING	SLOPE STAKING	EARTH /LOG BARRIER	MISC.	
							SIZE				ELBOWS	DOWNSPOUT					***	GRID ROLLED	SCREENED ROCK	CRUSHED BASE A	CRUSHED SURFACE C-1	STOCKPILE							
					ROCK	COMMON	18"	24"	36"														FULL/HALF ROUND						RECT. FLUME
SPECIFICATION NO.				200	300	300	400	400	400	400	400	400	400	400	400	400	500		700	800	900	1000	1200		1800	2100	2300		
UNIT	MP/STA	MP/STA	MILE/STA	ACRE	C.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	L.F.	L.F.	L.F.	L.F.	MILE	EA.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	ACRE	MILE	STA		
32-2-33.02	0.00	0.07	0.07														0.07									0.07			
32-2-33.08	0.00	0.64	0.64														0.64									0.64			
32-3-31	0.00	0.12	0.12														0.12									0.12			
33-2-04.00	0.00	2.00	2.00														2.00									2.00			
33-2-07.00	0.00	0.42	0.42														0.42									0.42			
33-2-07.01	1.56	3.41	1.85														1.85									1.85			
33-2-07.02	0.42	2.15	1.73														1.73									1.73			
33-2-07.04	0.00	0.27	0.27														0.27									0.27		1	*
33-2-07.05	0.00	0.25	0.25														0.25									0.25		1	**
33-2-09.00	0.00	0.41	0.41														0.41									0.41			
33-2-09.03	0.00	1.57	1.57														1.57									1.57			
33-2-17.00	0.00	1.56	1.56														1.56									1.56			
33-2-20.00	0.00	4.15	4.15														4.15									4.15			
33-2-33.00	4.28	8.29	4.01														4.01									4.01			
33-3-1.00	0.00	0.28	0.28														0.28									0.28			
33-3-1.01	0.00	0.03	0.03														0.03									0.03			
33-3-1.05	0.00	0.95	0.95														0.95									0.95			
33-3-2.00	0.68	2.81	2.13														2.13									2.13			
33-3-03.00	0.00	7.92	7.92														7.92	Surface mp 0.00 to mp 1.84					~1500		7.92				
33-3-03.01	0.00	2.40	2.40														2.40									2.40			
33-3-3.02	0.00	0.07	0.07														0.07									0.07			
33-3W-04.00	0.00	0.74	0.74														0.74									0.74			
33-3-04.01	0.00	0.88	0.88														0.88									0.88			

ITEM 900

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

ITEM 1000

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

ITEM 1200

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

ITEM 2100
C = CHIP
S = SCATTER

*Remove CMP's (2).
**Rip waterbar, seed and mulch.
***Indicate gradation.
****Splash Pads, Surfacing, Road Junctions.

ALWAYS
THINK
SAFETY

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

REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT MEDFORD, OREGON			
ESTIMATE OF QUANTITIES*			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN: LMK		SCALE NONE	
DATE: July, 2011		SHEET 1 OF 2	
DRAWING NO.		OR-11-9113.4-2	

EXHIBIT C 3
SHEET 2 OF 2
SKELETON MT. TIMBER SALE

ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		CORRUGATED METAL PIPE										RENOVATION	WD/AWD	AGGREGATE**						SOIL STABILIZATION	ROADSIDE BRUSHING	SLOPE STAKING	EARTH /LOG BARRIER	MISC.
							SIZE					ELBOWS	DOWNSPOUT		***	GRID ROLLED			SCREENED ROCK	CRUSHED BASE	CRUSHED SURFACE	STOCKPILE							
					ROCK	COMMON	18"	24"	36"															FULL/HAL F ROUND					
SPECIFICATION NO.				200	300	300	400	400	400	400	400	400	400	400	400	400	500		700	800	900	1000	1200		1800	2100	2300		
UNIT	MP/STA	MP/STA	MILE/STA	ACRE	C.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	L.F.	L.F.	L.F.	L.F.	MILE	EA.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	ACREE	MILE	STA		
33-3W-04.04	0.00	0.30	0.30														0.30								0.30				
33-3W-08.00	0.00	1.27	1.27														1.27								1.27				
33-3W-08.01	0.00	0.79	0.79														0.79								0.79				
33-3W-09.00	0.00	0.40	0.40														0.40								0.40				
33-3W-09.01	0.00	0.90	0.90														0.90								0.90				
33-3W-09.03	0.00	0.05	0.05														0.05								0.05				
33-3W-10.00	0.00	0.68	0.68														0.68								0.68				
33-3W-11.06	0.00	0.34	0.34														0.34								0.34				
33-3-12.01	0.00	0.62	0.62														0.62								0.62				
33-3-12.02	0.62	1.64	1.02														1.02								1.02				
33-3W-22.01	0.00	3.80	3.80														3.80								3.80				
33-3W-30.01	0.00	4.08	4.08														4.08								4.08				
FS 200	0.00	0.35	0.35														0.35								0.35				
FS 300	0.00	0.19	0.19														0.19								0.19			2	
FS 310	0.00	0.11	0.11														0.11								0.11				
FS 635	0.00	0.13	0.13														0.13								0.13				
FS 636	0.00	0.11	0.11														0.11								0.11				
TOTAL			49.59														49.59								49.59			4	

ITEM 900

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

ITEM 1000

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

ITEM 1200

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

ITEM 2100
C = CHIP
S = SCATTER

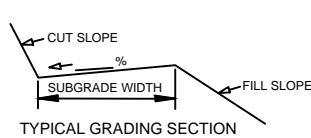
*Remove CMP's (2).
**Rip waterbar, seed and mulch.
**Indicate gradation.
***Splash Pads, Surfacing, Road Junctions.

**ALWAYS
THINK
SAFETY**

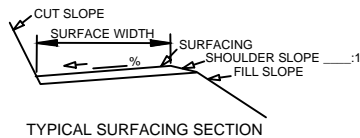
REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT MEDFORD, OREGON			
ESTIMATE OF QUANTITIES*			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN: LMK			SCALE NONE
DATE: July, 2011			SHEET 2 OF 2
DRAWING NO.			OR-11-9113.4-2

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

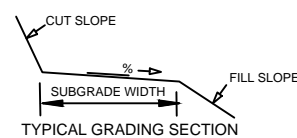
ROAD NUMBER	STATION OR MILE POST	TO STATION OR MILE POST	LENGTH MILE OR STATION	TYPICAL SECTION TYPE	ALIGNMENT MAXIMUM DEGREE OF CURVE	ROAD WIDTH (1-3)		GRADIENT		CLEARING WIDTH				SURFACING (4)								REMARKS	
						SUBGRADE	DITCH	MAXIMUM FAVORABLE	MAXIMUM ADVERSE	BEYOND		EXISTING ROAD(S)	BASE COURSE				SURFACE COURSE						
										TOP CUT	TOE FILL		L	R	MINIMUM WIDTH	COMP. DEPTH	TYPE (2)	GRADING	MINIMUM WIDTH	COMP. DEPTH	TYPE (2)		GRADING
32-2-33.02	0.00	0.07	0.07	5		14	3					4	4										
32-2-33.08	0.00	0.64	0.64	5		14	3					4	4										
32-3W-31	0.00	0.12	0.12	5		12	3					4	4										
33-2W-04.00	0.00	2.00	2.00	5		14	3					4	4										
33-2W-07.00	0.00	0.42	0.42	5		14	3					4	4										
33-2W-07.01	1.56	3.41	1.85	5		14	3					4	4										
33-2W-07.02	0.42	2.15	1.73	5		14	3					4	4										
33-2W-07.04	0.00	0.27	0.27	5		12	3					4	4										
33-2W-07.05	0.00	0.25	0.25	3		12	0					4	4										
33-2-09.00	0.00	0.41	0.41	5		14	3					4	4										
33-2-09.03	0.00	1.57	1.57	5		14	3					4	4										
33-2W-17.00	0.00	1.56	1.56	5		14	3					4	4										
33-2-20.00	0.00	4.15	4.15	5		14	3					4	4										
33-2W-33.00	4.28	8.29	4.01	5		16	3					4	4										
33-3W-01.00	0.00	0.28	0.28	5		12	3					4	4										
33-3W-01.01A	0.00	0.03	0.03	3		12	0					4	4										
33-3W-01.05	0.00	0.95	0.95	3		14	3					4	4										
33-3W-02.00	0.68	2.81	2.13	5		14	3					4	4										
33-3W-03.00	0.00	1.84	1.84	6		16	3					4	4					14	3	D	C-1	*	
33-3W-03.00	1.84	7.92	6.08	5		16	3					4	4										
33-3W-03.01	0.00	2.40	2.40	5		14	3					4	4										



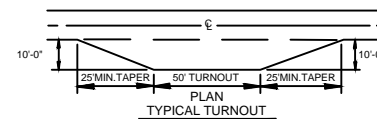
TYPE 1



TYPE 2



TYPE 3



PLAN
TYPICAL TURNOUT

- NOTES**
- EXTRA SUBGRADE WIDTHS
ADD TO EACH FILL SHOULDER 1 FT. FOR FILLS OF 1-6 FT. & 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.

MATERIALS CUT SLOPES FILL SLOPES

COMMON 1/2:1

SOLID ROCK 1/2:1
FULL BENCH CONSTRUCTION IS REQUIRED ON SIDE SLOPES EXCEEDING 60%.

2. SURFACING TYPE
A. PIT RUN ROCK MATERIAL.
B. GRID ROLLED ROCK MATERIAL.
C. SCREENED ROCK MATERIAL.
D. CRUSHED ROCK MATERIAL.

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. INTERVISIBLE AND NOT MORE THAN _____ FT. APART.

4. SURFACING
TURNOUTS: CURVE WIDENING AND ROAD APPROACH APRONS SHALL BE SURFACED.

5. CLEARING WIDTH
SEE SUBSECTION 2100

ALWAYS
THINK
SAFETY

REV. NO.	DESCRIPTION	DATE	APPROV.
----------	-------------	------	---------

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

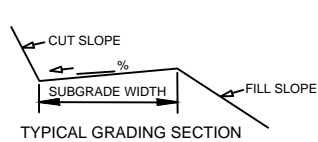
SPECIFICATION SHEET

DESIGNED	
REVIEWED	
APPROVED	
DRAWN: LMK	SCALE NONE
DATE	SHEET 1 OF 3
DRAWING NO.	OR-11-9113.4-2

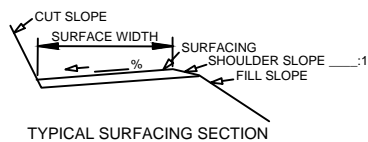
*FROM STOCKPILED ROCK

EXHIBIT C 4
SHEET 2 OF 2
SKELETON MT. TIMBER SALE

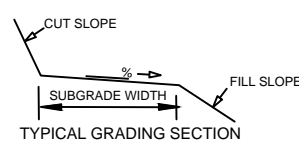
ROAD NUMBER	STATION OR MILE POST	TO STATION OR MILE POST	LENGTH MILE OR STATION	TYPICAL SECTION TYPE	ALIGNMENT	ROAD WIDTH (1-3)		GRADIENT		CLEARING WIDTH				SURFACING (4)								REMARKS	
					MAXIMUM DEGREE OF CURVE	SUBGRADE	DITCH	MAXIMUM FAVORABLE	MAXIMUM ADVERSE	BEYOND		EXISTING ROAD(S)		BASE COURSE				SURFACE COURSE					
										TOP CUT	TOE FILL	L	R	MINIMUM WIDTH	COMP. DEPTH	TYPE (2)	GRADING	MINIMUM WIDTH	COMP. WIDTH	TYPE (2)	GRADING		
33-3W-03.02	0.00	0.07	0.07	3		12	0					4	4										
33-3W-04.00	0.00	0.74	0.74	5		12	3					4	4										
33-3W-04.01	0.00	0.88	0.88	3		14	3					4	4										
33-3W-04.04	0.00	0.30	0.30	3		12	3					4	4										
33-3W-08.00	0.00	1.27	1.27	5		14	3					4	4										
33-3W-08.01	0.00	0.79	0.79	3		12	3					4	4										
33-3W-09.00	0.00	0.40	0.40	3		12	3					4	4										
33-3W-09.01	0.00	0.90	0.90	5		12	3					4	4										
33-3W-09.03	0.00	0.05	0.05	3		12	0					4	4										
33-3W-10.00	0.00	0.68	0.68	5		14	3					4	4										
33-3W-11.06	0.00	0.34	0.34	5		12	3					4	4										
33-3W-12.01	0.00	0.62	0.62	5		14	3					4	4										
33-3W-12.02	0.62	1.64	1.02	5		14	3					4	4										
33-3W-22.01	0.00	3.80	3.80	5		14	3					4	4										
33-3W-30.01	0.00	4.08	4.08	5		16	3					4	4										
FS 200	0.00	0.35	0.35	5		12	3					4	4										
FS 300	0.00	0.19	0.19	3		12	3					4	4										
FS 310	0.00	0.11	0.11	3		12	3					4	4										
FS 635	0.00	0.13	0.13	5		14	3					4	4										
FS 636	0.00	0.11	0.11	5		14	3					4	4										



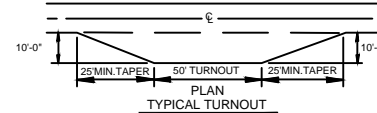
TYPE 1



TYPE 2



TYPE 3



PLAN
TYPICAL TURNOUT

NOTES

- EXTRA SUBGRADE WIDTHS
ADD TO EACH FILL SHOULDER 1 FT. FOR
FILLS OF 1-6 FT. & 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.

MATERIALS CUT SLOPES FILL SLOPES

COMMON 1 1/2:1
SOFT ROCK & SHALE 1/2:1

SOLID ROCK 1/2:1 ANGLE OF REPOSE
FULL BENCH CONSTRUCTION IS REQUIRED ON SIDE SLOPES
EXCEEDING 60%.

- SURFACING TYPE
A. PIT RUN ROCK MATERIAL.
B. GRID ROLLED ROCK MATERIAL.
C. SCREENED ROCK MATERIAL.
D. CRUSHED ROCK MATERIAL.

- 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. INTERVISIBLE AND NOT MORE THAN _____ FT. APART.
- SURFACING
TURNOUTS, CURVE WIDENING AND ROAD
APPROACH APRONS SHALL BE SURFACED.
- CLEARING WIDTH
SEE SUBSECTION 2100

ALWAYS
THINK
SAFETY

REV. NO.	DESCRIPTION	DATE	APPROV.
----------	-------------	------	---------

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

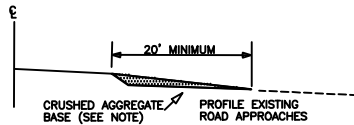
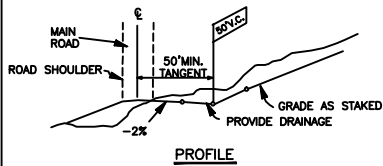
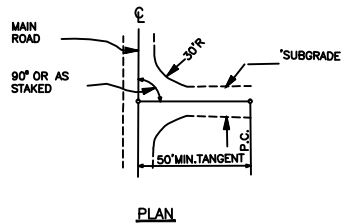
SPECIFICATION SHEET

DESIGNED	
REVIEWED	
APPROVED	
DRAWN: LMK	SCALE NONE
DATE	SHEET 2 OF 3
DRAWING NO.	OR-11-9113.4-2

SKELETON MT T.S.

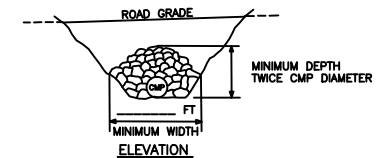
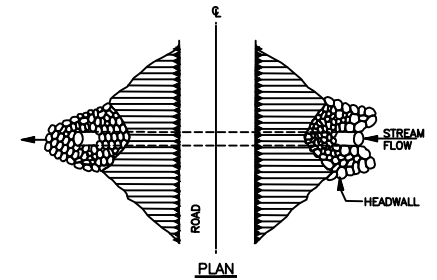
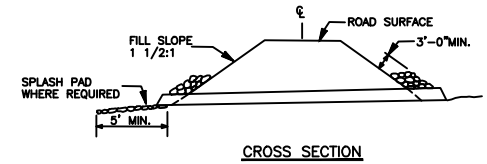
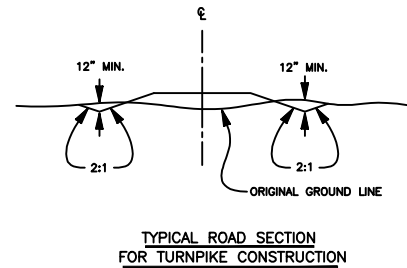
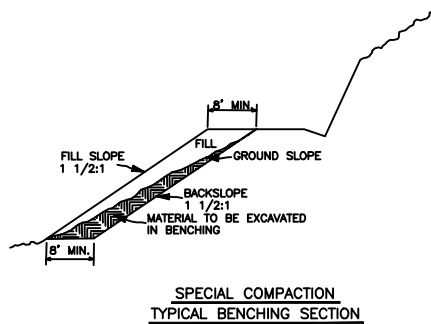
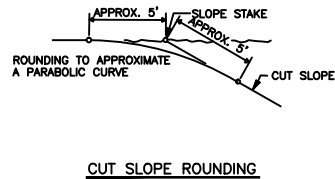
EXHIBIT C-5 SHEET 1 OF 1

TYPICAL ROAD APPROACHES



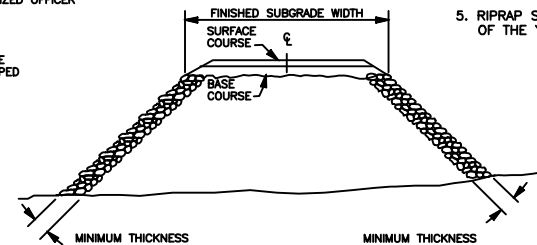
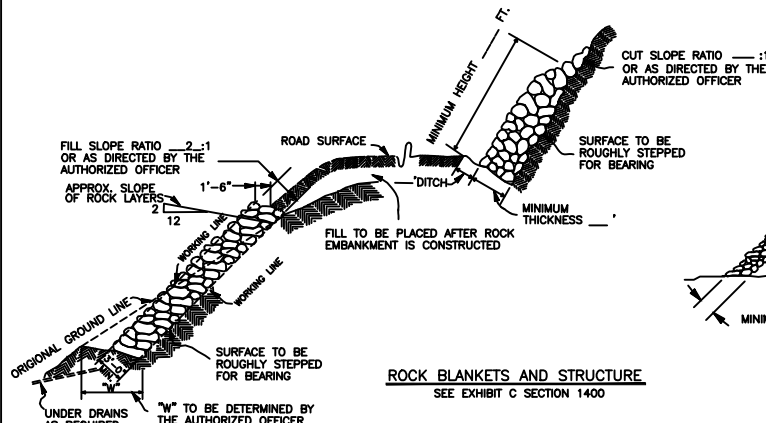
TYPICAL SURFACING SECTION

- NOTES:
- THE PROFILE OF EXISTING APPROACH ROADS SHALL BE TAPERED TO MEET THE SHOULDER LINE OF THE MAIN ROADWAY AND SHALL RECEIVE THE SAME WEARING SURFACE.
 - THE CRUSHED AGGREGATE BASE SHALL BE OF THE SAME GRADATION AS USED IN THE ADJACENT ROADBED.
 - APPROACHES SHALL BE FINISHED WITH THE SAME TREATMENT AS SHOWN FOR THE ADJACENT ROADBED.



NOTES: RIPRAP AT CULVERTS

- RIPRAP SHALL BE PLACED IN SUCH A MANNER THAT IT WILL NOT DAMAGE THE CULVERT.
- TRENCHING WILL BE DONE AS REQUIRED BY THE AUTHORIZED OFFICER.
- MINIMUM DEPTH OF SPLASH PADS SHALL BE 1 FT
- MINIMUM QUANTITY SHALL BE 1 CY PER CMP.
- RIPRAP SHALL BE PLACED BEFORE OCTOBER FIRST OF THE YEAR THE CMP IS INSTALLED.



ALWAYS
THINK
SAFETY

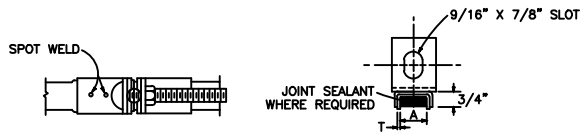
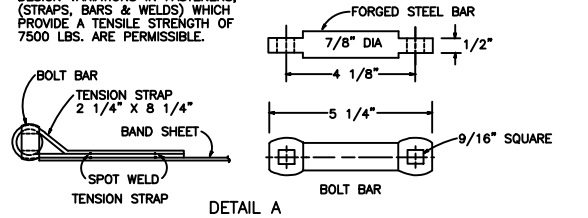
REV. NO.	DESCRIPTION	DATE	APPROVED
	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT		
	TYPICAL ROAD DATA		
	DESIGNED		
	REVIEWED		
	APPROVED		
	DRAWN BLM	SCALE NONE	
	DATE AUGUST, 2004	SHEET 1 OF	
	DRAWING NO. OR-11-9113.4-4		

* AS SHOWN IN RENOVATION WORKLIST.

SKELETON MT T.S.

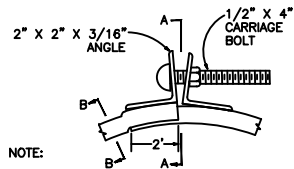
EXHIBIT C-6
SHEET 1 OF 1

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

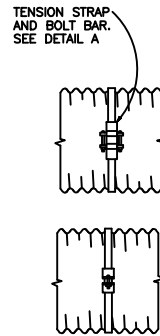
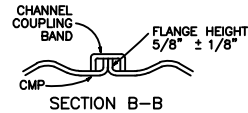


DIMENSIONS IN INCHES		
T	A	PIPE WALL THICKNESS
.079	3/4	.109 OR LIGHTER
.109	1	.135 OR HEAVIER

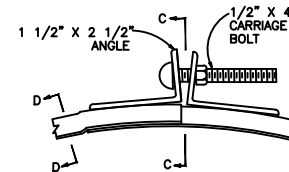
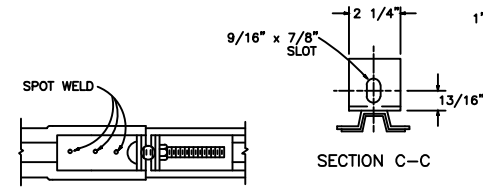
SECTION A-A



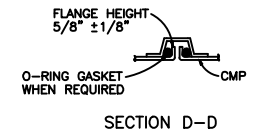
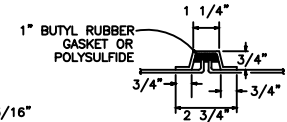
NOTE:
AS AN ALTERNATE TO SWEDGE, AN
OVERSIZE BRIDGE CLIP MAY BE USED.



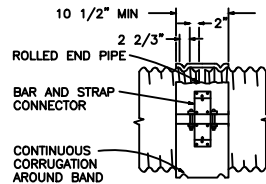
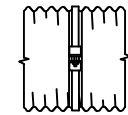
CHANNEL
BAND
COUPLER



FLANGED END COUPLER



SHOWN WITH ALTERNATE TYPES
OF JOINT SEALERS



STANDARD CONSTRUCTION IS 1 PIECE 12\"/>

\"/>

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

WHEN DESIGNATED ON THE PLANS OR IN THE SPECIAL
PROVISIONS, GASKETS SHALL BE INSTALLED WHEN THE
\"/>

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

DATA IN THIS BLOCK DOES NOT APPLY TO PERFORATED PIPE UNDERDRAIN.
FOR BANDS WITH \"/>

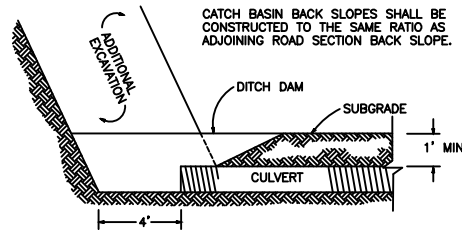
- Ⓐ BANDS WITH ANGLES
- Ⓑ BANDS WITH TENSION TYPE CONNECTIONS

ALWAYS
THINK
SAFETY

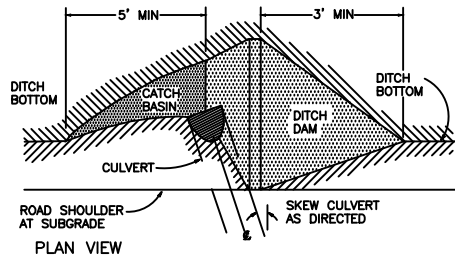
REV.	NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON				
CULVERT BAND DETAIL				
DESIGNED				
REVIEWED				
APPROVED				
DRAWN	BLM	SCALE	NONE	
DATE	August 2006	SHEET	1 OF 1	
DRAWING NO.	OR-11-9113.4-5			

SKELETON MT T.S.

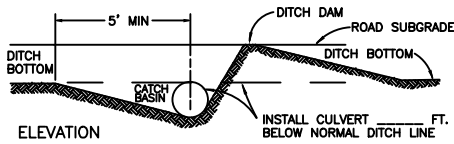
EXHIBIT C-7 SHEET 1 OF 1



CROSS SECTION AT CATCH BASIN

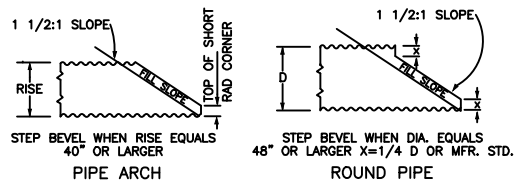


PLAN VIEW

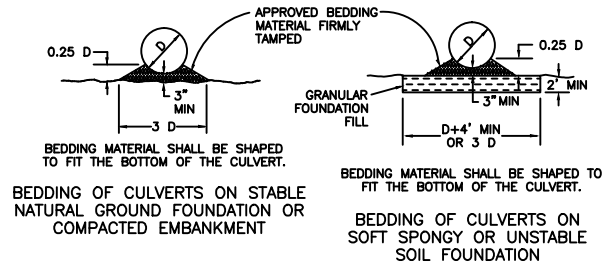


ELEVATION

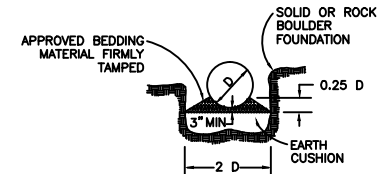
CATCH BASIN



BEVELED END DETAIL

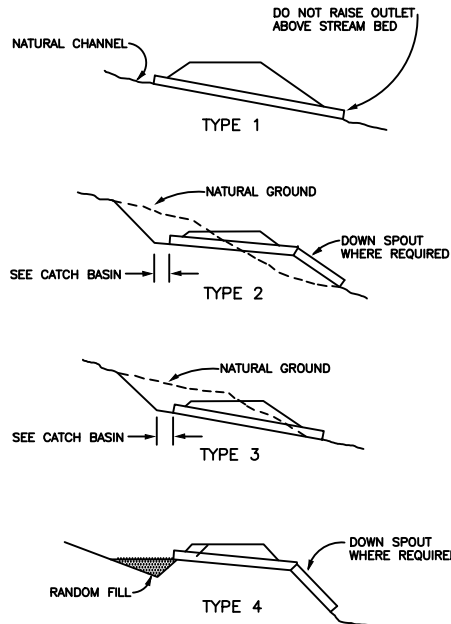


BEDDING OF CULVERTS



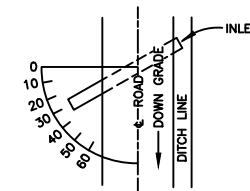
BEDDING MATERIAL SHALL BE SHAPED TO FIT THE BOTTOM OF THE CULVERT. EARTH CUSHIONING OF SILTY CLAY LOAM OR SAND MAY BE USED IF MATERIAL CAN BE PLACED IN THE DRY CONDITION. IF THE EXCAVATION IS WET, USE GRANULAR FOUNDATION FILL MATERIAL. MAINTAIN 8" MIN. DEPTH BETWEEN HIGH POINTS OF ROCKS AND/OR BOULDERS AND THE BOTTOM OF THE CULVERT.

BEDDING OF CULVERT IN SOLID ROCK OR BOULDER FOUNDATION



CULVERT INSTALLATION TYPES

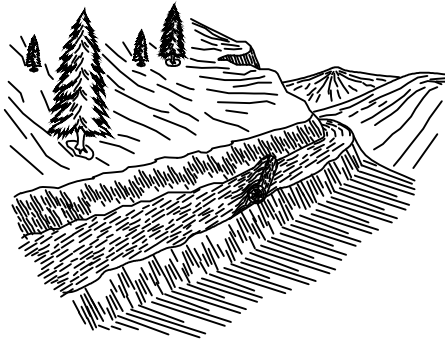
ALWAYS
THINK
SAFETY



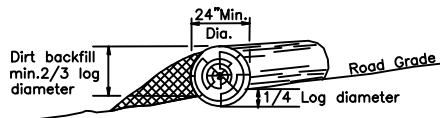
THE GRADE OF CROSSDRAINS SHALL BE AT LEAST 2% GREATER THAN THE GRADE OF THE DITCH.

SKIEW DIAGRAM

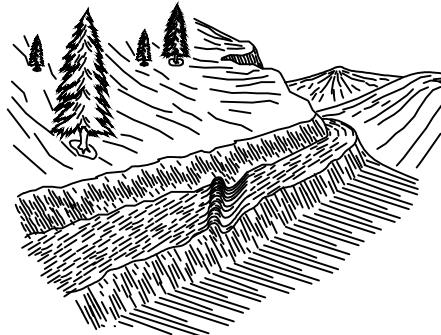
REV. NO.	DESCRIPTION	DATE	APPROV.
	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON		
CULVERT INSTALLATION DETAILS			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN	DCM	SCALE	NONE
DATE	August 2006	SHEET	1 OF 1
DRAWING NO.	OR-11-9113.4-08		



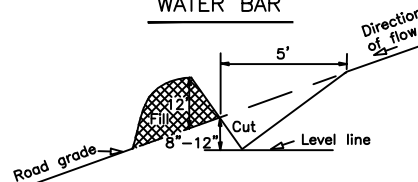
LOG BARRICADE



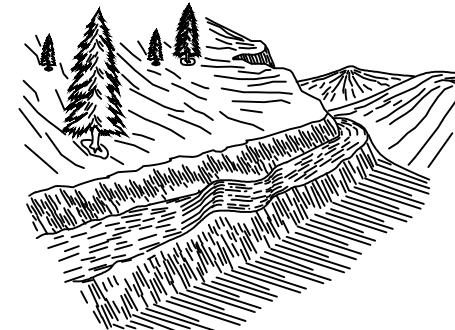
1. LOG BARRICADE SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL BARRICADES SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE.
5. THE MINIMUM SMALL END DIAMETER OF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



WATER BAR

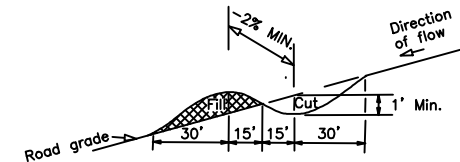


1. WATER BARS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER BARS SHALL BE SKEWED 30 DEGREES.
4. UPON COMPLETION OF SKIDDING LOGS, FOR THE LOGGING SEASON, EACH SKID ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN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



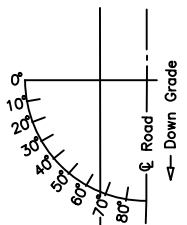
WATER DIP

See Exhibit C-12 for
Armored Water Dip (AWD) detail.



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.

SKEW DIAGRAM



WATER DIP/BAR SPACING*

ROAD GRADE	LOAM OR CLAY LOAM	DECOMPOSED GRANITE
%	FEET	FEET
4-6	400	300
7-9	300**	200**
10-14	200	150
15-20	150	90
21-40	90	50
41-60	50	25

* DISTANCES ARE MAXIMUM.

** ON GRADES IN EXCESS OF 10%
CONSTRUCT WATER BARS.

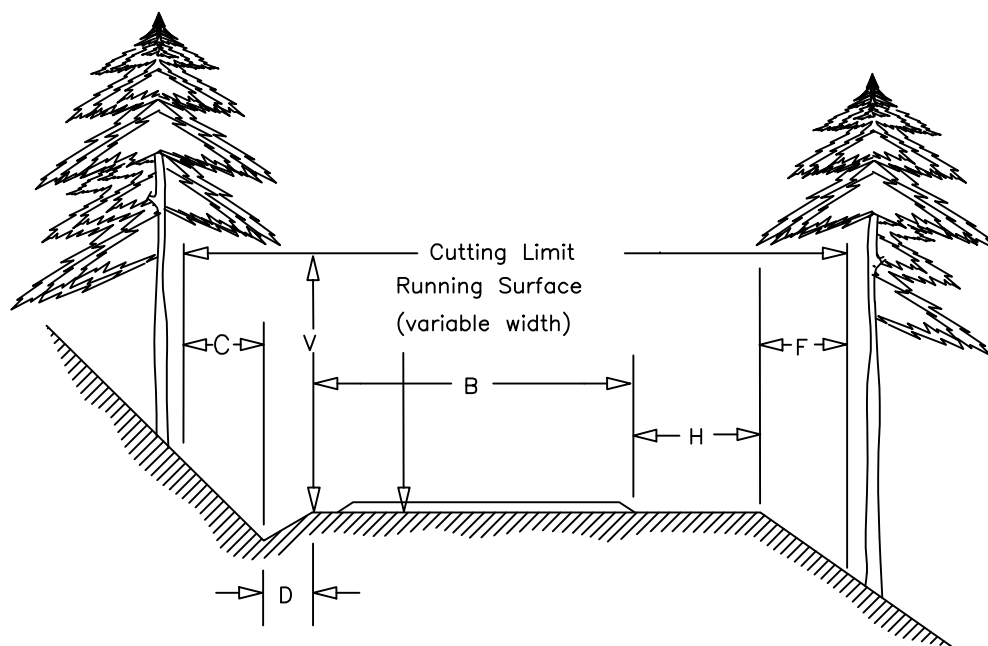
ALWAYS
THINK
SAFETY

REV.	NO.	DESCRIPTION	DATE	APPROV.
		UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON		
DRAINAGE & EROSION CONTROL INSTALLATION				
DESIGNED _____				
REVIEWED _____				
APPROVED _____				
DRAWN	DCM	SCALE	NONE	
DATE	August 2006	SHEET	1 OF 1	
DRAWING NO.	OR-11-9113.4-9			

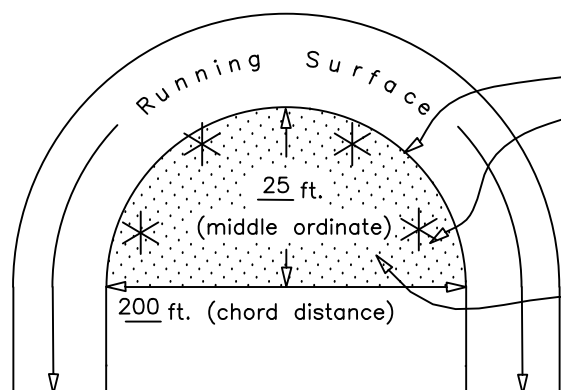
EXHIBIT C-9
SHEET 1 OF 1

[illegible]

SKELETON MT T.S.



Brushing Diagram



Sight Distance Diagram

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

NOTES:

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

All distances shown are horizontal except for V

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

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

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

D = Centerline of ditch to inside shoulder

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

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

V = 14 ft - Height of vertical cutting limit

Typical Basic lane widths

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

**ALWAYS
THINK
SAFETY**

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
SKELETON MOUNTAIN TIMBER SALE	
ROADSIDE BRUSHING	
MEDFORD	OREGON
DETAIL	
DESIGNED	_____
REVIEWED	_____
APPROVED	_____
DRAWN: JWR	SCALE: AS SHOWN
DATE: 03/2008	SHEET 1 OF 1
DRAWING NO. OR-11-9113.4-23	

INDEX

	SPECIAL PROVISIONS
100	GENERAL
200	CLEARING AND GRUBBING
300	EXCAVATION
400	PIPE CULVERTS
500	RENOVATION OF EXISTING ROADS
600	WATERING
700	AGGREGATE BASE COURSE (PIT RUN)
800	AGGREGATE BASE COURSE (GRID-ROLLED ROCK)
1600	QUARRY AND PIT DEVELOPMENT
1700	EROSION CONTROL
1800	SOIL STABILIZATION
2100	ROADSIDE BRUSHING
2600	TEMPORARY SPUR ROADS:

SPECIAL PROVISIONS

1. Before beginning road construction operations for the first time or after a shutdown of seven or more days, the Purchaser shall notify the Authorized Officer of the date he plans to begin operations. The Purchaser shall also notify the Authorized Officer if he intends to cease operations for any period of 30 or more days.
2. CMPs – Backfill material over new culverts shall be compacted with a mechanical tamper to 95% of max. compaction. Existing surfacing materials shall be conserved and re-compacted over installation area.
3. When removing culverts, pull slopes back to the natural slope, or at least 1:1, to minimize sloughing, erosion, and the potential for the stream to undercut stream banks during periods of high stream flows. Remove excess sediment from stream channels during culvert removal, replacement, and installation activities. Apply seed and mulch to all disturbed or exposed soils at each stream culvert removal site.
4. Construct silt fences 25 and 50 feet below culvert replacement sites (on live streams) to trap sediment and prevent it from entering nearby stream channels.
5. Dewater live streams during culvert replacement to minimize the movement of sediment downstream.
6. All instream work shall be done from June 15 thru September 15 both days included.
7. The application of dust abatement materials such as Lignin, Mag-chloride, or approved petroleum based dust abatement products shall be restricted from application just after wet weather or at stream crossings or other locations that could result in direct delivery to a water body.
8. SHUTDOWN. - Before beginning road renovation operations for the first time or after a shutdown of seven or more days, the Purchaser shall notify the Authorized Officer of the date he plans to begin operations. The Purchaser shall also notify the Authorized Officer if he intends to cease operations for any period of 30 or more days.
9. CMP, DEWATERING. - Live streams shall be diverted around or through the work area in a manner that will minimize sedimentation downstream. Keep excavation site dewatered so that installation of culverts can be carried out only under dry conditions. Dispose of excess water by using natural drainage ways or devices near the site to the extent of their natural capacity and in a manner that will avoid damage to adjacent property. Utilize dewatering methods such as temporary sediment traps and/or silt fences for areas to be excavated. Provide for down stream water flow without significant transport of excavated material or sediment during construction. At no time shall turbidity limits exceed DEQ's water quality standards.

10. PERMITS. - All permits required are the responsibility of the Purchaser.
11. WATER SOURCE. - The Purchaser is responsible for obtaining water and associated rights and permits. BLM water sources are shown on Exhibit C-2

GENERAL – 100

- 101 - Pework Conference(s): A prework conference will be held prior to the start of renovation, improvements, reconstruction, quarry development, surfacing, and mulching operations. The Purchaser shall request the conference at least 72 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 subcontractors.

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

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 sidcasting 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.

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.

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

102a -

Tests Used in These Specifications:

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 $\frac{3}{4}$ 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, as posted, and as specified in the Special Provisions.

201a - This work shall also consist of clearing, grubbing, removing and disposing of vegetation, debris, surface objects, and protruding obstructions from borrow pits, quarries, channel changes, stockpile sites, etc., in accordance with these specifications, as staked on the ground, and as posted.

202 - Where clearing limits have not been staked, established by these specifications or shown on the plans, the limits shall extend 2 feet back of the top of the cut slope and 5 feet out from the toe of the fill slope.

202a - Where clearing limits for structures have not been staked or shown on the plans, the limits shall extend 10 feet out from the outside edge of the structure.

202b - Where clearing limits for quarries and stockpile sites have not been staked or shown on the plans, the limits shall extend 10 feet back of the top of the cut slope and 5 feet outside of the outside slope lines.

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 Subsections 202, and 202a, and 202b.

- 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 shown on the plans or shall consist of decking at a location shown on the plans or 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 in accordance with Subsections 204a, 204c, 204d, and 204e. Undisturbed stumps, roots and other solid objects which will be a minimum of 3 feet below subgrades or slope surfaces of embankments are excepted.
- 204a - Stumps shall be removed within the required excavation limits.
- 204c - On excavated areas, roots and embedded wood shall be removed to a depth not less than 6 inches below the subgrade.
- 204d - On areas to be occupied by embankments having heights greater than 4 feet, no stump or portion thereof shall remain within 3 feet of embankment subgrades or slope surfaces after grubbing is completed.
- 204e - Roots and embedded wood material shall be removed to a depth not less than 1 foot below embankment subgrades or slope surfaces.
- 206 - Clearing and grubbing debris shall be disposed of by piling in accordance with Subsection 208c.
- 208c - Clearing debris shall be placed outside the roadway in a neat, compacted windrow laid approximately parallel and along the toe-line of embankment slopes. Windrows shall have 16-foot minimum breaks at least every 100 feet. Windrows shall not be placed against trees. The clearing debris may remain within the clearing limits if it does not adversely affect the road/landing construction and their use, as determined by the Authorized Officer.
- 210 - Disposal of stumps and cull logs shall be by scattering over government owned lands outside of established clearing limits in a manner acceptable to the Authorized Officer. The areas for such scattering shall have the prior approval of the Authorized Officer.
- 210b - Clearing and grubbing debris, stumps and cull logs resulting from construction on non-government shall be loaded and hauled to designated areas. Disposal shall be by scattering in accordance with Subsection 210.

- 213 - No clearing or grubbing debris shall be left lodged against standing trees.

EXCAVATION AND EMBANKMENT – 300

- 301 - This work shall consist of excavating, overhaul, placement of embankments, backfilling, borrowing, leveling, ditching, grading, insloping, outsloping, crowning and scarification of the subgrade, compaction, disposal of excess and unsuitable materials, and other earth-moving work in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 302 - Excavation shall also consist of the excavation of road and landing cut sections, borrow sites, backfilling, leveling, ditching, grading, compaction and other earth moving work necessary for the construction of the roadway in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans, and as marked on the ground with stakes or metal tags.
- 303 - Suitable material removed from the excavation shall be used in the formation of embankment subgrade, shoulders, slopes, bedding, backfill for structures, and for other purposes as shown on the plans.
- 304 - Borrow shall consist of suitable material required for the construction of embankments or for other portions of the work; such material shall be obtained from sources selected by the Purchaser at his option and approved by the Authorized Officer.
- 305 - Embankment construction shall consist of the placement of excavated and borrowed materials, backfilling, leveling, grading, compaction, and other earth-moving work necessary for the construction of the roadway and landings in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 305a - Material used in the construction of embankment sections shall be free of stumps, cull logs, brush, muck, sod, roots, frozen material and other deleterious materials and shall be placed and compacted as specified.
- 305b - Embankment materials shall be placed in successive parallel layers on areas cleared of stumps, cull logs, brush, sod, and other vegetative and deleterious materials, except as provided under Subsection 204. Roadway embankments of earth material shall be placed in horizontal layers not exceeding 12 inches in depth.
- 306a - Minimum compaction for each layer of embankment, selected borrow, and selected roadway excavation material placed shall be 1 hour of continuous compacting for each 150 cubic yards.
- 306f - Compaction of embankment layers placed as specified under Subsection 305b above shall be accomplished by routing construction equipment over full width of embankment

structures.

- 320 - Ditches shall conform to the slope, grade, dimensions, and shape of the required cross section shown on the plans. Roots, stumps, rocks, and other projections shall be removed to form smooth, even slopes.
- 321 - Excess excavated, unsuitable, or slide materials shall not be disposed of on areas where the material will encroach on a stream course or other body of water. Such materials shall be disposed of in accordance with Subsections 321c.
- 321c - End-dumping will be permitted for the placement of excess materials under Subsection 321 in designated disposal areas or within areas approved by the Authorized Officer. Watering, rolling, and placement in layers is not required. Materials placed shall be sloped, shaped, and otherwise brought to a neat and sightly condition acceptable to the Authorized Officer.
- 324 - Excavated material shall not be allowed to cover boles of standing trees to a depth in excess of 2 feet on the uphill side.

PIPE CULVERTS – 400

- 401 - This work shall consist of furnishing and installing pipe culverts, and downspouts in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Individual lengths and locations are approximate; final lengths and locations will be determined by the Authorized Officer upon completion of the roadbed. Additional pipe and erosion control devices may be required at the option of the Authorized Officer, in which case a reduction in the total purchase price shall be made to offset the cost of furnishing and installing such items. Costs will be based upon the unit prices set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 403 - Grade culverts shall have a gradient as of from 2 % to 4% greater the adjacent road grade, and shall be skewed down grade 30 – 45 degrees, as per Culvert List as measured from the perpendicular to the centerline, unless otherwise specified on the plans.
- 404 - Damage to the spelter, or burn back in excess of 3/8 inch, shall be wire brushed and painted with two coats of aluminum-rich paint on aluminum-coated pipe.
- 405 - Corrugated steel riveted and helical pipe culverts and pipe-arch culverts and special sections shall conform to the requirements of AASHTO M 274 as specified on the plans.
- 405a - Corrugated-steel-welded pipe culverts and pipe-arch culverts and special sections shall conform to the requirements of AASHTO M 274 as specified on the plans.
- 406 - Coupling bands shall conform to the requirements of AASHTO M 274 with the

exception of band widths and the "Hugger"-type band, which shall conform to the details, dimensions, and typical diagram shown on the plans.

- 406a - "Hugger"-type coupling bands shall only be used with annular corrugated which shall consist of two 2 annular corrugations.
- 406b - Coupling bands produced from flat steel sheets with impressed dimples will be permitted only for connecting annular corrugated steel pipe to helically corrugated steel pipe. Such coupling bands shall conform to the width requirements shown on the plans.
- 406f - Channel-type or flanged-end coupling bands may be used on helical pipe with reformed rolled ends and flanged specifically to receive these bands. Such coupling bands shall conform to the requirements shown on the plans.
- 407 - Special sections, such as elbows, branch connections, and flared-end sections, shall be of the same gauge as the pipe to which they are joined, and shall conform to the requirements of AASHTO M 274.
- 407b - Full round culvert downspouts conforming to the material and construction requirements as shown on as shown on the plans shall be constructed at specified locations.
- 408 - Pipe culverts shall be placed on the bed starting at the downstream end with the inside circumferential laps pointing downstream and with the longitudinal laps at the side or quarter points. Coupling bands of the types required under these specifications shall be installed so as to provide the circumferential and longitudinal strength necessary to preserve the pipe alignment, prevent separation of the pipe sections, and minimize infiltration of fill material.
- 410 - Pipe shall be unloaded and handled with reasonable care. If the Authorized Officer determines any structure is damaged to the extent that it is unsuitable for use in the road construction, it shall be replaced at the Purchaser's expense.
- 411 - Trenches necessary for the installation of pipe culverts shall conform to the lines, grades, dimensions and typical diagram shown on Exhibits, and the Culvert Installation Detail Sheet.
- 412 - Where ledge rock, boulders, soft, or spongy soils are encountered, they shall be excavated a minimum of 24 inches below the invert grade for a width of at least one pipe diameter or span on each side of the pipe and shall be backfilled with selected granular or fine readily compactible soil material.
- 414 - The invert grade of the bedding shall be cambered in accordance with the requirements and details shown on the plans and as directed by the Authorized Officer.

- 417 - For CMP culverts fill material shall be placed and compacted under the haunches of the pipe, and shall be brought up evenly and simultaneously on both sides of the pipe to 1 foot above the pipe, in layers not exceeding 6 inches in depth and 1 pipe diameter/span, or a minimum of 2 feet in width each side of, and adjacent to, the full length of the pipe barrel. Each layer shall be moistened or dried to uniform moisture content suitable for maximum compaction and compacted by approved hand or pneumatic tampers.
- 418 - The final subgrade shall be compacted to full width with compacting equipment conforming to the requirements of Subsections 103f, 103g, and 103h.
- 421 - Trenches and bedding rock necessary for the installation of perforated pipe shall conform to the lines, grades, dimensions and typical diagram shown in the plans.
- 423 - Construction of catch basins and ditch dams conforming to lines, grades, dimensions and typical diagrams shown on the plans, shall be required for grade culverts.
- 424 - Construction of splash pads conforming to lines, grades, dimensions and typical diagram shown in the plans, shall be required for all culverts.
- 425 - Where pervious materials are used for backfill and bedding, collars consisting of selected impervious material shall be placed at the inlet and at various intervals along the pipe barrel as shown on the plans, and as directed by the Authorized Officer.
- 427 - The Purchaser shall record culvert sizes, lengths and location actually installed on a copy of the culvert list. This culvert list shall be furnished to the Authorized Officer.
- 427a - All existing culverts removed as specified in the plans or as directed by the Authorized Officer' Rep. shall be hauled away and properly disposed of by the Purchaser.

RENOVATION OF EXISTING ROADS – 500

- 501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, cleaning and shaping drainage ditches, trimming vegetation from cut and embankment slopes, and cleaning and repairing drainage structures of existing roads in accordance with these specifications, as shown on the plans, and as marked on the ground with stakes or metal tags.
- 501a - This work shall include the removal and disposal of slides in accordance with these specifications.
- 502 - The existing road surface shall be bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans.

- 502b- Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.
- 506 - The inlet end of all existing drainage structures shall be cleared of vegetative debris and boulders that are of sufficient size to obstruct normal stream flow. Pipe inverts shall be cleared of sediment and other debris lodged in the barrel of the pipe. The outflow area of all 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.
- 507 - The finished grading shall be approved in writing by the Authorized Officer. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

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 the water sources selected by the Purchaser and approved by the Authorized Officer.
- 1015 - The Purchaser is authorized to remove crushed rock material, truck measure, from BLM stockpiles, for placement on the roads, in accordance with the requirements and details shown on the plans, from the following locations:

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 base courses 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 source(s) shown on the plans.
- *1208a- Each layer of crushed rock material shall be thoroughly mixed on the roadbed by alternately blading, to full depth, until a uniform mixture has been obtained. The mixture shall then be spread to full width. When completed, the spreading shall produce a surface which is smooth, presents uniform shoulder lines, and conforms to the specified cross section.
- *1209 - Shaping and compacting of base course shall be completed and approved prior to placing crushed rock material in accordance to the requirements of Subsections 500 for placing on the roadbed, and Subsections 1200 for placing on the base course.
- *1210 - Crushed rock material conforming to the requirements of these specifications shall be placed on the approved base course in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans and staked on the ground. Compacted layers shall not exceed (3) 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.
- 1211 - Crushed rock material shall be compacted by routing construction and hauling equipment over the full width of each layer placed.
- 1212 - Each layer of crushed rock material placed, processed, and shaped as specified shall be moistened or dried to a uniform moisture content suitable for maximum compaction and compacted to full width by compacting equipment conforming to the requirements of Subsections 103f and 103h. Minimum compaction shall be 1 hour of continuous compacting for each (150) cubic yards of crushed rock material placed per layer.
- 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.
- 1215 - The Purchaser is authorized to remove Gradation (C-1) crushed rock material, from BLM stockpile(s), for placement on the road(s), in accordance with the requirements and

details shown on the plans, and as follows:

<u>Stockpile Number</u>	<u>Willamette Meridian</u>			<u>Approximate Cubic Yards</u>	<u>Road Number</u>
	<u>Section</u>	<u>T.</u>	<u>R.</u>		
<u>1 / Goolaway Spur</u>	<u>31</u>	<u>32S</u>	<u>3W</u>	<u>1500 compacted in place Cubic Yards</u>	<u>33-3W-3.00</u>

The Purchaser shall maintain records of material removed from the stockpile site designated above. These records shall be submitted to the Authorized Officer upon completion of the surfacing operation.

SOIL STABILIZATION – 1800

1802a- Soil stabilization work consisting of seeding and mulching shall be performed on all disturbed areas of roads and temporary logging spurs 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: August 15 to: October 15

Apply native seed and mulch to all disturbed or exposed soils during stream culvert removal, replacement, and installation in the same operational season the work is completed.

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

1804 - Seed mix and Straw sources: At agency discretion

A) Purchased from BLM: based on availability

OR

B) Approved Commercial source:

1809d - Straw mulch shall be from native grass or other approved grain crops which are certified weed free, and free from noxious weeds, mold, or other objectionable materials. Straw mulch shall be in an air-dry condition and suitable for placing in a uniform manner. Straw mulch shall be applied evenly in treatment areas to a depth of 2 inches (approximately 1000 lbs/ac), or as directed by the Authorized Officer.

1810 - Mulch material shall be delivered to the work area in a dry state. Material found to be wet will not be accepted. Material to be used in the mulching operation may be stockpiled along the road designated for treatment provided

that it is maintained in a dry state and has the approval of the Authorized Officer.

- 1811 - Bulk mulching material required under these specifications shall be delivered to the work area bound either by twine, string, or hemp rope. Wire binding and plastic twine will not be permitted.
- 1812 - The Purchaser shall and apply stabilization material to designated areas for treatment as shown on the plans. Grass seed, fertilizer, and mulch material at the following rate of application:

Grass seed	<u>15</u>	lbs./acre
Fertilizer	<u>320</u>	lbs./acre
Mulch	<u>2000</u>	lbs./acre

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

- 1816b- Dry Method - Blowers, mechanical seeders, seed drills, landscape seeders, cultipaker seeders, fertilizer spreaders or other approved mechanical seeding equipment may be used when seed and fertilizer are to be applied in dry form.
- 1820 - The Purchaser shall notify the Authorized Officer at least 5 days in advance of date he intends to commence the specified soil stabilization work.
- 1822 - Mulch that collects at the ends of culverts or accumulates to excessive depths on the slopes shall be evenly spread by hand methods, as directed by the Authorized Officer's Rep.
- 1823 - No material shall be applied when wind velocities would prevent a uniform application of the mix or slurry or when winds would drift the mix or slurry spray outside of the designated treatment area.
- 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 removal 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 and 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 will be severed from the trunk.
- 2103a - Vegetation shall be cut and removed from the road bed between the outside shoulders and the ditch centerline and such vegetation shall be cut to a maximum height of 1 inch above the ground and running surface. All limbs will be severed from the trunk. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.
- 2104 - Trees in excess of 6 inches in diameter at 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 and a middle ordinate distance of 25 feet. Overhanging limbs and vegetation in excess of 1 foot in height, shall be cut within these areas.
- 2108 - Self propelled equipment shall not be permitted on cut and fill slopes or in ditches.
- 2109 - Debris resulting from this operation shall be scattered downslope from the roadway. Debris shall not be allowed to accumulate in concentrations. Debris in excess of 1 foot in length and 2 inches in diameter shall not be allowed to remain on cut slopes, ditches, roadways or water courses, or as directed by Authorized Officer.
- 2113 - Roadside brushing shall be accomplished as specified on the plans on the roads listed on Exhibit C specification sheet.
- 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.

TEMPORARY LOGGING SPURS 2600

- 2601 - Clearing, Grubbing and Excavation activities of temporary spur roads shown on Exhibit A shall be performed in accordance with Exhibit C, sections 200 and 300 with prior approval of the Authorized Officer.
- 2602 - Construction of temporary spur roads shall be to minimum width and to typical grading section 3 as shown in exhibit C4.
- 2603 - Temporary spur roads are to be constructed, used, ripped, water barred, seeded, mulched and blocked during the same operating season.

SKELETON MT. TIMBER SALE
Road Renovation and Improvement Work List

Renovation: This consists of road work to be performed on the road prior to its use. The work includes, but not limited to; brushing, blading the road surface, pulling ditches, cleaning or enlarging catch basins and outlets, flushing corrugated metal pipes and/or culverts, removing brush near inlet or outlet of CMPs, removing brush, limbs, and trees along the roadway to improve sight distance. All drainage structures including culverts, water dips and ditch relief shall be inspected and brought to the design standard as shown on the plans.

Improvement: This consists of road work to be performed on the road prior to its use. The work includes, but not limited to; furnishing and installing corrugated metal pipes and/or culverts, furnishing and placing crushed rock surfacing, spot rocking, and road re-location.

Jct. – Junction

AWD – Armored Water Dip

ASC – Aggregate Surface Course

BST – Bituminous Surface Treatment

CU – Cubic Yards

CMP – Corrugated Metal Pipe

PRR – Pit Run Rock

GRR – Grid Rolled Rock

NAT – Natural Surface Roads

32-2W-33.02 ASC
 (Brush, Renovate)

MP **REMARKS**

0.00 Jct. 33-2W-33.00. Begin brushing. Begin renovation.

0.02 Existing culvert, cross drain.

0.07 Jct. 32-2W-33.08. End brushing. End renovation.

32-2W-33.08 (E. Fork Evans Headwaters 8) ASC
 (Brush. Renovate.)

MP **REMARKS**

0.00 Jct. 33-2W-33.02. Begin brushing. Begin renovation.

0.02 Existing pipe gate.

0.04 Existing culvert, cross drain.

0.13 Existing culvert, cross drain.

0.18 Existing culvert, cross drain.

0.25 Existing culvert, cross drain.

0.34 Existing culvert, cross drain.

0.36 Existing culvert, draw.

0.44 Existing culvert, cross drain.

- 0.49 Existing culvert, cross drain
- 0.55 Existing culvert, cross drain.
- 0.64 End of road. End brushing. End renovation.

32-3W-31 Spur (Stockpile Spur) ASC
(Brush. Renovate.)

MP **Remarks**

- 0.00 Jct. 34-3W-24.00 (West Fork Evans). Begin brushing. Begin renovation.
- 0.02 Existing culvert, draw.
- 0.06 Existing culvert, draw.
- 0.12 Existing small landing. End brushing. End renovation. Existing pump chance.

Road 33-2W-4.00 (Railroad Gap ML) ASC
(Brush. Renovate.)

MP **Remarks**

- 0.00 Jct. 33-2W-33.00 / East Fork Evans, Y intersection. Begin brushing. Begin renovation.
- 0.08 Existing culvert, cross drain.
- 0.16 Existing culvert, draw.
- 0.26 Existing culvert, cross drain.
- 0.31 Existing culvert, draw.
- 0.39 Existing culvert, cross drain.
- 0.44 Existing culvert, draw.
- 0.53 Existing culvert, cross drain.
- 0.56 Existing culvert, draw.
- 0.60 Existing culvert, draw.
- 0.69 Existing culvert, cross drain.
- 0.75 Existing culvert, cross drain.
- 0.78 Existing culvert, cross drain.
- 0.84 Existing culvert, draw.
- 0.89 Jct. 33-2W-5.00 (left).

0.97 Existing culvert, cross drain.
1.04 Existing culvert, cross drain.
1.12 Existing culvert, cross drain.
1.18 Existing culvert, cross drain.
1.24 Existing culvert, draw.
1.33 Existing culvert, draw.
1.41 Existing culvert, cross drain.
1.57 Existing culvert, draw.
1.66 Existing culvert, cross drain.
1.71 Existing culvert, cross drain.
1.79 Existing culvert, cross drain.
1.89 Existing culvert, cross drain.
1.97 Jct. 33-2W-5.03 (right).
2.00 Existing gate. End brushing. End renovation.

33-2W-7.00 (Angel Camp Top ML) ASC
(Brush. Renovate. Surface.)

<u>MP</u>	<u>REMARKS</u>
0.00	Jct. 33-2W-7.01. Begin brushing. Begin renovation. Begin surfacing.
0.08	Existing culvert, cross drain.
0.15	Existing culvert, cross drain.
0.21	Existing culvert, cross drain.
0.26	Existing culvert, cross drain.
0.32	Existing culvert, cross drain.
0.37	Existing culvert, cross drain.
0.40	Existing culvert, cross drain.
0.42	Jct.33-2W-7.02 (left). Continue brushing. Continue renovation. End surfacing

33-2W-7.01 (North Round Top ML) ASC
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
1.56	Jct. 33-2W-17.00. Begin brushing. Begin renovation.
1.63	Existing culvert, cross drain.
1.66	Existing culvert, cross drain.
1.71	Jct. 33-2W-7.00 / Angel Camp ML, (right).
1.79	Existing culvert, cross drain.
1.84	Existing culvert, cross drain.
1.90	Existing culvert, cross drain.
1.96	Existing culvert, cross drain.
2.04	Existing culvert, cross drain.
2.06	narrow spot.
2.12	Existing culvert, stream.
2.16	Existing culvert, cross drain.
2.33	Existing culvert, cross drain.
2.38	Round Top pit (right).
2.62	Existing culvert, cross drain.
2.65	Existing culvert, draw.
2.74	Existing culvert, cross drain.
2.79	Existing culvert, cross drain.
2.88	Existing culvert, cross drain.
2.94	Existing culvert, cross drain.
2.99	Existing culvert, draw.
3.05	Existing culvert, draw.
3.12	Existing culvert, cross drain.
3.17	Existing culvert, cross drain.

- 3.27 Existing culvert, cross drain.
- 3.41 Existing culvert, draw. End brushing. End renovation.

33-2W-7.02 (Angel Camp) ASC
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
0.42	Jct. 33-2W-7.00. Begin brushing. Begin renovation.
0.53	Existing culvert, cross drain.
0.62	Existing culvert, cross drain.
0.64	Existing culvert, cross drain.
0.76	Existing culvert, cross drain.
0.81	Existing culvert, cross drain.
0.85	Existing culvert, cross drain.
0.88	Existing culvert, cross drain.
0.90	Existing culvert, cross drain.
0.96	Existing culvert, cross drain.
0.99	Jct. unnumbered spur, (right).
1.07	Existing culvert, cross drain.
1.14	Jct. jeep road (right).
1.16	Existing culvert, cross drain.
1.27	Existing culvert, cross drain.
1.36	Existing culvert, cross drain.
1.48	Existing culvert, cross drain.
1.57	Existing culvert, cross drain.
1.70	Remove slide
1.73	Existing culvert, cross drain.
1.75	Jct. unnumbered spur, barricaded (left).
1.87	Existing culvert, draw.

2.09 Existing culvert, cross drain.

2.15 Jct.33-3W-12.01 (left, right). End brushing. End renovation.

33-2W-7.04 (Round Top) ASC

(Brush and Renovate. Remove culverts, waterbar and barricade after use.)

MP **REMARKS**

0.00 Jct. 33-2W-7.02. Begin brushing. Begin renovation.

0.01 Existing barricade. Barricade after use.

0.11 Existing culvert, cross drain.

0.24 Existing culvert, cross drain.

0.27 End of road. End brushing. End renovation.

33-2W-7.05 (Divide Spur) NAT

(Brush and Renovate. Rip, Waterbar, Seed & Mulch & Barricade after use.)

MP **REMARKS**

0.00 Jct. 33-2W-7.02. Begin brushing. Begin renovation.
Begin ripping, waterbarring, seeding, Mulching after use.

0.01 Existing barricade. Barricade after use.

0.25 End of road. End brushing. End renovation.
End ripping, waterbarring, seeding and mulching after use.

33-2W-9.00 (Cleveland Ridge PC Spur) ASC

(Brush. Renovate.)

MP **REMARKS**

0.00 Jct. 33-2W-20.00. Begin brushing. Begin renovation.

0.02 Jct. unnumbered spur (left).

0.11 Existing culvert, cross drain.

0.19 Existing culvert, cross drain.

0.23 Existing culvert, cross drain.

0.41 Jct. pump chance spur (right). End brushing. End renovation.
0.03 mi. to pump chance.

33-2W-9.03 (Cleveland Ridge Spur) PRR
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
0.00	Jct. 33-2W-20.00. Begin brushing. Begin renovation.
0.03	Existing gate.
0.03	Existing pipe gate.
0.11	Existing AWD.
0.19	Jct. unnumbered spur (right).
0.24	Existing culvert, cross drain.
0.32	Existing culvert, cross drain.
0.45	Existing culvert, draw.
0.67	Jct. 33-2W-9.03 B. Jct. 33-2W-9.04, (right). Continue brushing. Continue renovation.
0.96	Jct. unnumbered spur (left).
1.21	Jct. 33-2W-9.03C. Continue brushing. Continue renovation.
1.23	Existing barricade. Barricade after use.
1.57	End brushing. End renovation.

33-2W-17.00 (Angel Camp ML) ASC
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
0.00	Jct. 33-2W-33.00. Begin brushing. Begin renovation.
0.12	Existing bridge / East Fork Evans Creek.
0.14	Jct. 33-2W-17.01, (left). Old pit (left).
0.27	Existing culvert, stream.
0.33	Jct. 33-2W-17.02, (left).
0.43	Existing culvert, cross drain.
0.49	Existing culvert, cross drain.
0.52	Existing culvert, cross drain.
0.57	Existing culvert, cross drain.

- 0.60 Existing culvert, cross drain.
- 0.66 Existing culvert, draw.
- 0.69 Jct. 33-2W-17.03, (left). Existing culvert, cross drain.
- 0.73 Existing culvert, cross drain.
- 0.75 Old slump/ narrow spot.
- 0.77 Old slump/ narrow spot.
- 0.78 Old slump/ narrow spot.
- 0.82 Existing culvert, cross drain.
- 0.90 Existing culvert, cross drain.
- 0.91 Old slump/ narrow spot.
- 0.95 Existing culvert, cross drain.
- 0.98 Existing culvert, cross drain.
- 1.00 Jct. 35-3W-18.00, (left).
- 1.02 Existing culvert, cross drain.
- 1.06 Existing culvert, draw.
- 1.11 Existing culvert, cross drain.
- 1.16 Existing culvert, draw.
- 1.21 Existing culvert w/ downspout, cross drain.
- 1.28 Existing culvert, cross drain.
- 1.37 Existing culvert, draw.
- 1.47 Existing culvert, cross drain.
- 1.53 Existing culvert, cross drain.
- 1.56 Jct. 33-2W-7.01 / Round Top ML, (right). End brushing. End renovation.

Road 33-2W-20.00 (Cleveland Ridge) ASC.
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-2W-33.00. Begin brushing. Begin renovation.
0.04	Existing culvert, cross drain.
0.09	Existing culvert, draw.
0.13	Existing culvert, cross drain.
0.22	Existing culvert, cross drain.
0.27	Existing culvert, draw.
0.30	Existing culvert, draw.
0.37	Existing culvert, cross drain.
0.38	Existing culvert, draw.
0.45	Existing culvert, cross drain.
0.48	Existing culvert, cross drain.
0.52	Existing culvert, draw.
0.58	Existing culvert, cross drain.
0.65	Existing culvert, cross drain.
0.74	Existing culvert, cross drain.
0.76	Existing culvert, draw.
0.84	Existing culvert, cross drain.
0.88	Existing culvert, cross drain.
0.95	Existing culvert, cross drain.
1.04	Existing culvert, draw.
1.08	Existing culvert, cross drain.
1.13	Existing culvert, draw.
1.26	Existing culvert, cross drain.
1.29	Existing culvert, draw.

1.32	Existing culvert, cross drain.
1.38	Existing culvert, cross drain.
1.52	Existing culvert, draw.
1.64	Existing culvert, draw.
1.70	Existing culvert, draw.
1.77	Existing culvert, cross drain.
1.82	Existing culvert, cross drain.
1.88	Existing culvert, cross drain.
1.89	K tag (right).
1.98	Existing culvert, cross drain.
2.03	Existing culvert, cross drain.
2.06	Existing culvert, cross drain.
2.27	Existing culvert, cross drain.
2.33	Existing culvert, draw.
2.41	Existing culvert, cross drain.
2.43	Jct. 33-2W-8.01 (right). Existing culvert, cross drain.
2.53	Existing culvert, draw.
2.60	Existing culvert, cross drain.
2.65	old pit. (right).
2.72	Existing culvert, cross drain.
2.77	Existing culvert, draw.
2.82	Existing culvert, draw.
2.94	Existing culvert, cross drain.
3.05	Existing culvert, cross drain.
3.06	Jct. 33-2W-9.01 (left).
3.12	Existing culvert, cross drain.

3.22	Existing culvert, cross drain.
3.27	Existing culvert, draw.
3.34	Existing culvert, cross drain.
3.35	Jct. 33-2W-9.02 (left).
3.37	Existing culvert, cross drain.
3.44	Existing culvert, cross drain.
3.54	Existing culvert, cross drain.
3.61	Existing culvert, cross drain.
3.91	Jct. 33-2W-9.00 (left).
3.99	Existing culvert, draw.
4.09	Existing culvert, cross drain.
4.15	Jct. 33-2W-9.03 (right). End brushing. End renovation.

Road 33-2W-33.00 (East Fork Evans Creek) ASC
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
4.28	Jct. 33-2W-33.00 BST. Jct. 33-2W-17.00 / Angel Camp, (left). Continue brushing. Begin renovation.
4.30	Existing culvert, cross drain.
4.36	Existing culvert, cross drain.
4.41	Existing culvert, draw.
4.48	Existing culvert, cross drain.
4.62	Existing culvert, cross drain.
4.73	Existing culvert, cross drain.
4.80	Existing culvert, draw.
4.96	Existing culvert, cross drain.
5.01	Existing culvert, cross drain.
5.07	Existing culvert, cross drain.

- 5.17 Existing culvert, cross drain.
- 5.20 Existing culvert, draw.
- 5.30 Existing culvert, cross drain.
- 5.36 Existing culvert, cross drain.
- 5.40 Existing culvert, cross drain.
- 5.45 Existing culvert, cross drain.
- 5.52 Existing culvert, cross drain.
- 5.63 Existing culvert, cross drain.
- 5.73 Existing culvert, cross drain.
- 5.78 Existing culvert, cross drain.
- 5.84 Existing culvert, East Fork Evans Creek.
- 5.86 Jct. 33-2W-8.00 (left).
- 5.90 Jct. 33-3W-8.01 (right).
- 5.92 Existing culvert, cross drain.
- 5.98 Existing culvert, cross drain.
- 6.08 Existing culvert, cross drain.
- 6.11 Existing culvert, cross drain.
- 6.15 Existing culvert, cross drain.
- 6.23 Existing culvert, draw.
- 6.27 Existing culvert, cross drain.
- 6.35 Existing culvert, cross drain.
- 6.42 Existing culvert, cross drain.
- 6.46 Existing culvert, cross drain.
- 6.53 Existing culvert, cross drain.
- 6.61 Existing culvert, draw.

- 6.68 Existing culvert, cross drain.
- 6.71 Existing culvert, cross drain.
- 6.79 Existing culvert, cross drain.
- 6.85 Existing culvert, cross drain.
- 6.91 Existing culvert, cross drain.
- 6.94 Existing culvert, cross drain.
- 7.04 Jct. 33-2W-4.00, Y intersection / Railroad Gap, (left).
- 7.06 Jct. 33-2W-4.00, Y intersection / Railroad Gap, (left).
- 7.08 48" Draw.
- 7.13 Existing culvert, cross drain.
- 7.15 Existing culvert, cross drain.
- 7.35 Existing culvert, cross drain.
- 7.38 Existing culvert, cross drain.
- 7.44 Existing culvert, cross drain.
- 7.56 Existing culvert, cross drain.
- 7.62 Existing culvert, cross drain.
- 7.69 Existing culvert, cross drain.
- 7.74 Existing culvert, cross drain.
- 7.76 Jct. 33-2W-33.6 (left)
- 7.83 Existing culvert, cross drain.
- 7.89 48" Draw.
- 7.93 Existing culvert, cross drain.
- 7.99 24" Draw.
- 8.10 Existing culvert, cross drain.
- 8.21 Existing culvert, cross drain.
- 8.29 Jct. 32-2W-33.2 Y intersection/ (left). End brushing. End renovation.

33-3W-1.00 (Angel Camp D) ASC
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
0.00	Jct. 33-3W-12.02. Begin brushing. Begin renovation.
0.28	Jct. 33-3W-1.01, (right). End brushing. End renovation.

33-3W-1.01A (Angel Camp Spur 1) ASC
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
0.00	Jct. 33-3W-1.00. Begin brushing. Begin renovation.
0.03	Jct. (new construction). End brushing. End renovation.

33-3W-1.05 (Angel Camp Spur 5) ASC
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
0.00	Jct. 33-3W-12.02. Begin brushing. Begin renovation.
0.03	Existing pipe gate.
0.06	Existing culvert, draw.
0.36	Jct. 33-3W-1.07, (left).
0.95	End brushing. End renovation.

Road 33-3W-2.00 (Rock Creek East ML) ASC
(Brush. Renovate. CMP)

<u>MP</u>	<u>Remarks</u>
0.68	Jct. 33-3W-10.00. Begin brushing. Begin renovation
0.70	Existing culvert, stream.
0.74	Existing culvert, cross drain.
0.81	Existing culvert, cross drain.
0.90	Existing culvert, draw.
0.92	Existing culvert, draw.
0.96	Existing culvert, cross drain.
1.01	Existing culvert, cross drain.
1.08	Existing culvert, draw.

- 1.15 Jct. 33-3W-11.05 (right). Existing stockpile
- 1.18 Existing culvert, cross drain.
- 1.23 Existing culvert, cross drain.
- 1.29 Existing culvert, cross drain.
- 1.33 Existing culvert, draw.
- 1.41 Existing culvert, draw.
- 1.46 Existing culvert, cross drain.
- 1.52 Existing culvert, draw.
- 1.61 Existing culvert, cross drain.
- 1.67 Existing culvert, cross drain.
- 1.82 Existing culvert, cross drain.
- 1.90 Existing culvert, cross drain.
- 1.93 Jct. 33-3W-11.00 (right). Existing culvert, cross drain.
- 1.98 Existing culvert, cross drain.
- 2.11 Existing culvert, cross drain.
- 2.17 Existing culvert, cross drain.
- 2.25 Existing culvert, cross drain.
- 2.32 Existing culvert, cross drain.
- 2.40 Existing culvert, cross drain.
- 2.41 Jct. 33-3W-11.01 (right). Existing culvert, cross drain.
- 2.46 Existing culvert, cross drain.
- 2.52 Existing culvert, cross drain.
- 2.56 Existing culvert, cross drain.
- 2.62 Existing culvert, cross drain.
- 2.69 Existing culvert, cross drain.
- 2.75 Existing culvert, cross drain.

2.81 Jct. 33-3W-11.06 (left), 11.02 (right). Existing stockpile. End brushing. End renovation.

Road 33-3W-3.00 (Skeleton Mountain) ASC

(Brush. Renovate. Spot rock / crushed rock from stockpile.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. Goolaway Gap. Begin brushing. Begin renovation. Begin surfacing.
0.07	Existing culvert, cross drain.
0.11	Existing culvert, cross drain.
0.20	Existing culvert, cross drain.
0.32	Existing culvert, cross drain.
0.33	Jct. 32-3W-31.04 (right).
0.46	Existing culvert, draw.
0.50	Existing culvert, draw.
0.51	Existing culvert, draw.
0.63	Existing culvert, draw.
0.76	Existing culvert, draw/ major.
0.86	Existing culvert, draw.
0.93	Existing culvert, draw.
1.08	Existing culvert, draw.
1.10	Existing culvert, draw.
1.19	Remove existing culvert, cross drain. Install 18" x 40' CMP. Place material at outlet to restore road width
1.27	Existing culvert, cross drain.
1.41	Existing culvert, draw.
1.44	Existing culvert, cross drain.
1.45	Remove slide / ~ 30 CY.
1.47	Existing culvert, draw.
1.48	Remove slide / ~ 10 CY.

- 1.51 Existing culvert, draw.
- 1.55 Existing culvert, cross drain.
- 1.62 Existing culvert, cross drain.
- 1.69 Existing culvert, cross drain.
- 1.74 Existing culvert, cross drain.
- 1.79 Existing culvert, cross drain.
- 1.84 Jct. 33-3W-5.00 (right). End Surfacing.
- 1.87 Existing culvert, cross drain.
- 1.94 Existing culvert, draw.
- 2.01 Existing culvert, cross drain
- 2.07 Existing culvert, cross drain
- 2.12 Existing culvert, cross drain
- 2.15 Remove large log from cutbank.
- 2.19 Existing culvert, cross drain
- 2.23 Existing culvert, cross drain
- 2.26 Remove large log from cutbank.
- 2.29 Existing culvert, cross drain
- 2.35 Existing culvert, draw / major.
- 2.39 Existing culvert, cross drain
- 2.48 Existing culvert, cross drain
- 2.55 Existing culvert, draw.
- 2.65 Existing culvert, draw / major.
- 2.69 Existing culvert, cross drain
- 2.76 Existing culvert, cross drain
- 2.80 Existing culvert, cross drain
- 2.84 Existing culvert, draw.

- 2.91 Existing culvert, cross drain
- 2.93 Jct.33-3W-8.01 (left), Y intersection.
- 2.97 Jct.33-3W-8.01 (left), Y intersection.
- 3.00 Existing culvert, cross drain
- 3.08 Existing culvert, cross drain
- 3.15 Existing culvert, draw.
- 3.18 Existing culvert, cross drain
- 3.20 Existing culvert, draw.
- 3.23 Existing culvert, cross drain
- 3.30 Existing culvert, cross drain.
- 3.38 Existing culvert, cross drain
- 3.45 Existing culvert, cross drain
- 3.52 Skeleton Mt. pit (left). Existing stockpile (~500 CY). End spot rocking.
- 3.62 Existing culvert, cross drain.
- 3.72 Jct. 33-3W-8.00 (left), Y intersection.
- 3.74 Jct. 33-3W-8.00 (left), Y intersection. Continue brushing. Continue renovation.
- 3.75 Existing culvert, cross drain.
- 3.82 Existing culvert, cross drain.
- 3.89 Existing culvert, cross drain.
- 3.94 Existing culvert, cross drain.
- 3.97 Jct. 33-3W-8.02 (left).
- 4.01 Existing culvert, cross drain.
- 4.05 Existing culvert, cross drain.
- 4.13 Existing culvert, cross drain.
- 4.17 Existing culvert, cross drain.
- 4.21 Existing culvert, cross drain.

- 4.27 Existing culvert, cross drain.
- 4.30 Existing culvert, cross drain.
- 4.38 Existing culvert, cross drain.
- 4.46 Existing culvert, cross drain.
- 4.48 Jct. 33-3W-22.01 (left).
- 4.57 Existing culvert, cross drain.
- 4.60 Existing culvert, cross drain.
- 4.64 Existing culvert, cross drain.
- 4.68 Existing culvert, cross drain.
- 4.77 Existing culvert, cross drain.
- 4.85 Existing culvert, cross drain.
- 4.91 Existing culvert, cross drain.
- 4.97 Existing culvert, cross drain.
- 5.03 Existing culvert, cross drain.
- 5.14 Existing culvert, cross drain.
- 5.18 Existing culvert, cross drain.
- 5.21 Existing culvert, cross drain.
- 5.30 Existing culvert, cross drain.
- 5.35 Existing culvert, cross drain.
- 5.39 Existing culvert, cross drain.
- 5.44 Existing culvert, cross drain.
- 5.49 Jct. 33-3W-4.03 (left), barricaded.
- 5.50 Existing culvert, cross drain.
- 5.58 Existing culvert, cross drain.
- 5.61 Existing culvert, cross drain.
- 5.62 Jct. 33-3W-4.01 (right).

5.64 Existing culvert, cross drain.

5.68 Existing culvert, cross drain.

5.73 Existing culvert, cross drain.

5.78 Existing culvert, cross drain.

5.84 Existing culvert, cross drain.

5.90 Existing culvert, cross drain.

5.98 Existing culvert, cross drain.

6.08 Existing culvert, cross drain.

6.12 Existing culvert, draw.

6.17 Existing culvert, cross drain.

6.31 Existing culvert, cross drain.

6.41 Existing culvert, cross drain.

6.50 Jct. 33-3W-3.01 (left).

6.61 Existing culvert, cross drain.

6.67 Existing culvert, cross drain.

6.83 Existing culvert, cross drain.

6.93 Existing culvert, cross drain.

6.97 Existing culvert, cross drain.

7.04 Existing culvert, cross drain.

7.13 Existing culvert, cross drain.

7.22 Existing culvert, cross drain.

7.32 Existing culvert, cross drain.

7.40 Existing culvert, cross drain.

7.46 Existing culvert, cross drain.

7.51 Existing culvert, cross drain.

7.58 Existing culvert, cross drain.

- 7.61 Existing culvert, draw.
- 7.67 Existing culvert, draw.
- 7.68 Existing culvert, stream.
- 7.74 Existing culvert, cross drain.
- 7.79 Existing culvert, cross drain.
- 7.84 Existing culvert, cross drain.
- 7.88 Existing culvert, cross drain.
- 7.90 Existing culvert, stream.
- 7.92 Jct. 33-3W-34.01. End brushing. End renovation.

Road 33-3W-3.01 (Skeleton Tie ML) ASC.
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3W-3.00. Begin brushing. Begin renovation.
0.03	Existing culvert, cross drain.
0.09	Existing culvert, cross drain.
0.15	Existing culvert, draw.
0.18	Existing waterdip.
0.24	Existing culvert, cross drain.
0.28	Existing culvert, draw.
0.30	Jct. 33-3W-3.02 (left).
0.32	Existing culvert, cross drain.
0.39	Existing waterdip.
0.44	Existing culvert, cross drain.
0.50	Existing culvert, draw.
0.57	Existing culvert, cross drain.
0.63	Existing culvert, cross drain.
0.78	Existing culvert, draw.

0.84 Existing culvert, draw.

0.92 Existing waterdip.

0.97 Existing culvert, cross drain.

1.07 Existing waterdip.

1.15 Existing waterdip.

1.22 Existing culvert, cross drain.

1.29 Existing waterdip.

1.38 Existing culvert, draw.

1.42 Existing culvert, cross drain.

1.48 Existing culvert, cross drain.

1.61 Existing culvert, cross drain.

1.69 Existing culvert, cross drain.

1.77 Existing culvert, draw.

1.80 Existing culvert, cross drain.

1.86 Existing waterdip.

1.94 Existing culvert, cross drain.

2.04 Existing culvert, draw.

2.13 Existing culvert, cross drain.

2.20 Existing waterdip.

2.24 Existing culvert, cross drain.

2.28 Re-establish existing waterdip.

2.40 Jct. 33-3W-22.01 (left, right). End brushing. End renovation.

Road 33-3W-3.02 (Pump Chance Spur) ASC.
(Brush. Renovate.)

MP	Remarks
0.00	Jct. 33-3W-3.01. Begin brushing. Begin renovation.
0.07	Existing pump chance. End brushing. End renovation.

Road 33-3W-4.00 (Rockhead) ASC.
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3W-8.00. Begin brushing. Begin renovation.
0.05	Existing culvert, cross drain.
0.14	Existing culvert, cross drain.
0.20	Jct. 33-3W-4.04 (right).
0.31	Jct. 33-3W-4.00OS1 (left).
0.44	Jct. 33-3W-4.00OS2 (left).
0.56	Existing culvert, cross drain.
0.60	Jct. FS 3329/200 (left).
0.74	End brushing. End renovation.

Road 33-3W-4.01 (Rockhead B) ASC.
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3-3.00. Begin brushing. Begin renovation.
0.03	Existing culvert, cross drain.
0.07	Existing culvert, cross drain.
0.10	Existing culvert, cross drain.
0.11	Existing culvert, cross drain.
0.16	Existing culvert, cross drain.
0.23	Existing waterdip.
0.29	Jct. FS 635 (left).
0.31	Existing waterdip.
0.38	Existing waterdip.
0.46	Existing culvert, cross drain.
0.55	Existing waterdip.
0.58	Existing culvert, draw.

- 0.63 Existing waterdip.
- 0.73 Existing culvert, draw.
- 0.79 Existing waterdip.
- 0.88 Jct. FS 300 road with berm barricade (left). End brushing. End renovation.

Road 33-3W-4.04 (Rockhead Spur 4) ASC.
(Brush. Renovate.)

MP **Remarks**

- 0.00 Jct. 33-3W-4.00. Begin brushing. Begin renovation.
- 0.01 Existing culvert, cross drain w/ riser.
- 0.07 Existing culvert, cross drain w/ riser (damaged)..
- 0.20 Jct. 33-3W-4.04OS (right).
- 0.22 Existing dip.
- 0.30 End brushing. End renovation.

Road 33-3W-8.00 (Rockhead P) ASC.
(Brush. Renovate.)

MP **Remarks**

- 0.00 Jct. 33-3-3.00. Begin brushing. Begin renovation.
- 0.31 Existing waterdip.
- 0.36 Existing waterdip.
- 0.41 Existing waterdip.
- 0.53 Existing culvert, cross drain.
- 0.80 33-3W-4.00 (right).
- 1.27 End brushing. End renovation.

Road 33-3W-8.01 (Lower Rockhead) ASC.
(Brush. Renovate.)

MP **Remarks**

- 0.00 Jct. 33-3-3.00, Y intersection. Begin brushing. Begin renovation.
- 0.05 Existing pipe gate.

0.10 Existing culvert, draw.
0.25 Existing culvert, draw.
0.42 Wet area.
0.57 Existing culvert, draw.
0.63 Existing waterdip.
0.79 Jct. jeep road. End brushing. End renovation.

Road 33-3W-9.00 (Spring Spur) ASC
(Brush. Renovate.)

MP	Remarks
0.00	Jct. 33-3W-22.01. Begin brushing. Begin renovation
0.07	Remove slide (~30 CY).
0.13	Existing culvert, draw. (Pump chance source riser).
0.26	Jct. decommissioned spur (right).
0.40	Existing culvert, draw. End brushing. End renovation.

Road 33-3W-9.01 (Rockhead P2) ASC.
(Brush. Renovate.)

MP	Remarks
0.00	Jct. 33-3W-8.00. Begin brushing. Begin renovation.
0.01	Existing culvert, cross drain.
0.09	Existing waterdip.
0.16	Existing culvert, cross drain.
0.23	Existing waterdip.
0.33	Existing waterdip.
0.60	Existing culvert, cross drain.
0.69	Existing culvert, cross drain.
0.75	Existing waterdip.
0.83	Existing waterdip.
0.90	End brushing. End renovation.

Road 33-3W-9.03 (3.01 Spur) ASC.
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3W-3.01. Begin brushing. Begin renovation.
0.05	End brushing. End renovation.

Road 33-3W-10.00 (Rock Creek East) ASC
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3W-34.01. Begin brushing. Begin renovation
0.02	Existing culvert, stream.
0.12	Existing culvert, cross drain.
0.18	Existing culvert, cross drain.
0.23	Existing culvert, cross drain.
0.28	Existing culvert, cross drain.
0.37	Existing culvert, draw.
0.46	Existing culvert, cross drain.
0.51	Existing culvert, cross drain.
0.55	Jct. 33-3W-2.03 (left).
0.67	Existing culvert, draw.
0.68	Jct. 33-3W-2.00 (right). End brushing. End renovation.

Road 33-3W-11.06 (Right Way Ridge) ASC
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3W-2.00. Begin brushing. Begin renovation
0.06	Existing landing (right).
0.14	Jct. 33-3W-11.06 OS.
0.16	Existing landing.
0.34	End brushing. End renovation. Begin operator spur.

33-3W-12.01 (Ridge Top) ASC
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
0.00	Jct. 33-2W-7.02. Begin brushing. Begin renovation.
0.09	Existing culvert, cross drain.
0.16	Jct. jeep road (left).
0.26	Jct. 33-3W-7.03 (right)
0.39	Existing culvert, cross drain.
0.58	Jct. 33-3W-12.03 (right).
0.62	Jct. 33-3W-12.02 (right), Y intersection. Continue brushing. Continue renovation.

33-3W-12.02 (Angel Ridge) ASC
(Brush. Renovate.)

<u>MP</u>	<u>REMARKS</u>
0.62	Jct. 33-3W-12.01 (left), Y intersection. Continue brushing. Continue renovation.
0.69	Jct. 33-3W-1.00 (right), unnumbered spur (left), 33-3W-1.05 (left).
0.74	Pump Chance (left).
0.76	Existing culvert, cross drain/overflow.
0.79	Existing culvert, cross drain.
1.00	Existing culvert, draw.
1.18	Existing culvert, cross drain.
1.27	Existing culvert, cross drain.
1.35	Existing culvert, cross drain.
1.43	Existing culvert, draw.
1.47	Existing culvert, cross drain.
1.52	Existing culvert, cross drain.
1.64	Jct. 33-3W-1.08 (left), 33-3W-1.09 (right). Existing landing (right). End brushing. End renovation.

Road 33-3W-22.01 (Sec. 15 ML) ASC.
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3W-34.01. Begin brushing. Begin renovation.
0.01	Existing culvert, cross drain.
0.06	Existing culvert with full round, cross drain.
0.12	Existing culvert with full round, cross drain.
0.17	Existing culvert with half round, cross drain.
0.21	Existing culvert, cross drain.
0.27	Existing culvert, cross drain.
0.35	Existing culvert with half round, cross drain.
0.43	Existing culvert, draw.
0.45	Existing culvert, cross drain.
0.54	Existing culvert, draw.
0.60	Existing culvert, cross drain.
0.65	Existing culvert, cross drain.
0.67	Existing culvert, cross drain.
0.72	Existing culvert with full round, cross drain.
0.79	Existing culvert with half round, cross drain.
0.89	Existing culvert, cross drain.
0.98	Existing culvert with half round, draw.
1.05	Existing culvert with full round, cross drain.
1.07	Existing culvert, cross drain.
1.13	Jct. 33-3W-15.06 (left).
1.18	Existing culvert, cross drain.
1.26	Existing culvert, cross drain.
1.31	Existing culvert, cross drain.

- 1.38 Existing culvert, cross drain.
- 1.58 Existing culvert, cross drain.
- 1.63 Existing culvert, cross drain.
- 1.67 Existing culvert, cross drain.
- 1.79 Existing culvert, draw.
- 1.83 Existing culvert, cross drain.
- 1.87 Existing culvert, cross drain.
- 1.93 Existing culvert, draw.
- 1.95 Existing culvert, cross drain.
- 2.11 Existing culvert, cross drain.
- 2.16 Existing pump chance.
- 2.19 Jct. 33-3W-9.00 (right).
- 2.28 Existing culvert, cross drain.
- 2.38 Existing culvert, draw.
- 2.44 Existing culvert, cross drain.
- 2.50 Existing culvert, cross drain.
- 2.53 Existing culvert, cross drain.
- 2.58 Existing culvert, cross drain.
- 2.65 Existing culvert, cross drain.
- 2.75 Existing culvert, cross drain.
- 2.82 Existing culvert, cross drain.
- 2.88 Jct. 33-3W-9.02 (left).
- 2.91 Jct. 33-3W-3.01 (right).
- 3.01 Existing culvert, cross drain.
- 3.11 Existing culvert, cross drain.
- 3.30 Existing culvert, cross drain.

- 3.50 Existing culvert, cross drain.
- 3.58 Existing culvert, cross drain.
- 3.70 Existing culvert, cross drain.
- 3.80 Jct. 33-3W-3.00 (left,right). End brushing. End renovation.

Road 33-3W-30.01 (Sand Divide) ASC
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 34-3W-24.00. Begin brushing. Begin renovation.
0.06	Existing culvert, cross drain.
0.11	Existing culvert, cross drain.
0.16	Existing culvert, cross drain.
0.21	Existing culvert, cross drain.
0.26	Existing culvert, cross drain.
0.31	Existing culvert, draw.
0.38	Existing culvert, cross drain.
0.44	Existing culvert, cross drain.
0.50	Existing culvert, cross drain.
0.55	Existing culvert, draw.
0.61	Existing culvert, cross drain.
0.69	Existing culvert, cross drain.
0.74	Existing culvert, cross drain.
0.78	Existing culvert, cross drain.
0.85	Existing culvert, cross drain.
0.91	Existing culvert, cross drain.
1.12	Existing culvert, cross drain.
1.26	Existing culvert, cross drain.
1.32	Existing culvert, cross drain.

- 1.34 Jct. jeep road, (left).
- 1.39 Existing culvert, cross drain.
- 1.44 Existing culvert, cross drain.
- 1.51 Jct. decommissioned spur (left).
- 1.90 Existing culvert, cross drain.
- 1.66 Existing culvert, cross drain.
- 1.73 Jct. 33-3W-19.10, (right).
- 1.75 Jct. 33-3W-19.07, (right).
- 1.82 Jct. 33-3W-18.03, (left).
- 1.88 Existing culvert, cross drain.
- 1.96 Existing culvert, cross drain.
- 2.00 Existing culvert, cross drain.
- 2.01 old stockpile site.
- 2.06 Existing culvert, cross drain.
- 2.16 Existing culvert, draw.
- 2.24 Existing culvert, cross drain.
- 2.29 Existing culvert, cross drain.
- 2.35 Jct. 33-3W-17.02, (left).
- 2.40 Existing culvert, cross drain.
- 2.45 Jct. 33-3W-17.00, (right).
- 2.50 Existing culvert, cross drain.
- 2.56 Existing culvert, cross drain.
- 2.64 Jct. 33-3W-17.01, (left).
- 2.73 Existing culvert, cross drain.
- 2.80 Existing culvert, draw.
- 2.88 Existing culvert, cross drain.

- 2.93 Existing culvert, draw.
- 3.03 Existing culvert, draw.
- 3.10 Existing culvert, cross drain.
- 3.14 Existing culvert, cross drain.
- 3.18 Existing culvert, cross drain.
- 3.22 Existing culvert, draw.
- 3.24 Existing culvert, cross drain.
- 3.27 Existing culvert, cross drain.
- 3.35 Existing culvert, cross drain.
- 3.46 Existing culvert, cross drain.
- 3.48 Jct. 33-3W-17.03, (left).
- 3.81 Jct. unnumbered spur, (left).
- 4.08 End brushing. End renovation. Begin operator spur.

Road FS 200 (Rockhead Spur) ASC.
(Brush. Renovate.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3W-4.00. Begin brushing. Begin renovation. Existing culvert, cross drain w/ riser.
0.04	Existing culvert, cross drain w/ riser.
0.09	Existing culvert, cross drain w/ riser.
0.12	Existing culvert, cross drain w/ riser.
0.28	Property line.
0.35	Jct. FS pit (left). End brushing. End renovation.

Road FS 300 (Sec. 34 ML) ASC.
(Brush. Renovate. Barricade after use.)

<u>MP</u>	<u>Remarks</u>
0.00	Jct. 33-3W-4.01 Begin brushing. Begin renovation. Barricade road around barrier.
0.01	Install pipe gate.
0.05	Existing culvert, cross drain w/ riser.

- 0.08 Existing culvert, cross drain w/ riser.
- 0.12 Existing culvert, cross drain w/ riser.
- 0.16 Existing culvert, cross drain w/ riser.
- 0.19 Jct. FS310 End brushing, End renovation

Road FS 310 (Sec. 4 Spur) ASC.
(Brush. Renovate.)

MP **Remarks**

- 0.00 Jct. 33-3W-FS 3/34. Begin brushing. Begin renovation.
- 0.05 Existing culvert, cross drain w/ riser.
- 0.11 End brushing. End renovation.

Road FS 635 (Divide) ASC.
(Brush. Renovate.)

MP **Remarks**

- 0.00 Jct. 33-3W-4.01. Begin brushing. Begin renovation.
- 0.06 Jct. FS 636 (left).
- 0.13 End brushing, End renovation.

Road FS 636 (Divide) ASC.
(Brush. Renovate.)

MP **Remarks**

- 0.00 Jct. FS 635 Begin brushing. Begin renovation.
- 0.11 End Brushing, End Renovation.

GENERAL MAINTENANCE - 3000

- 3001 - The Purchaser shall be required to maintain all roads listed and/or referenced in Section 41 C(4) Special Provisions of this contract in accordance with Sections 3000, 3100, 3200, 3300 and 3400 of this exhibit.
- 3001a - The Purchaser shall be required to provide maintenance on roads in accordance with Subsection 3403, 3404, and 3408.
- 3002 - The Purchaser shall maintain the cross section of existing dirt or graveled roads to the existing geometric standards. Any roads required to be constructed, improved, or renovated under terms of this contract shall be maintained to the standards required in Exhibit C of this contract.
- 3003 - The minimum required maintenance on any roads shall include the provisions specified in Subsections 3101, 3104, and 3105.
- 3004 - The Purchaser shall be responsible for providing timely maintenance and cleanup on any road with logging units substantially completed prior to moving operations to other roads. The maximum length of non maintained or non cleanup of the road prism, shall not exceed the sum of one (1) mile at any time. Release of maintenance requirements may be granted, upon written request, when the conditions specified in Sections 3300 and 3400 are met satisfactorily.

OPERATIONAL MAINTENANCE - 3100

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

- 3104b - The Purchaser shall be responsible for removal of all slides, up to fifteen (15) station yards in quantity, at any one site. This work includes unlimited multiple sites on all roads required to be maintained by the Purchaser.
Prior to removal of any slough or slide material exceeding fifteen (15) station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, method of disposal, and the disposal site. Work may commence immediately after agreement.

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

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

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

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

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

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

- 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 roads.

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

SEASONAL MAINTENANCE - 3200

- 3201 - The Purchaser shall perform preventive maintenance at the end of Purchaser's hauling each season and during non hauling 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.
- 3201a - All road segments not completed during dry weather periods shall be winterized, by providing a well-drained roadway by water barring, maintaining drainage and other additional measures necessary to minimize erosion and other damage to the roadway, as directed by the Authorized Officer.
- 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 roads located in an area separate from the area where logging activities will resume.
- 3204 - The Purchaser shall be responsible for performing post storm inspections and maintenance during the winter season to minimize erosion and potential roads or watershed damage.

FINAL MAINTENANCE - 3300

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

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

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

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

OTHER MAINTENANCE - 3400

- 3401 - The Purchaser shall repair any damage to road surfaces that was specified under Subsection 3108 and 3108a. This repair includes restoring the roadway to the designed standard and replacement of surfacing with approved surface material. This repair is not limited to use of equipment specified in Subsection 3104.
- 3402 - The Purchaser shall be permitted to remove ice and snow from roads authorized for use under this contract only when prior written approval has been secured from the Authorized Officer. The Purchaser shall submit a written request for permission to remove ice and snow in advance of the date operations are to begin.
Upon receiving written authorization for ice or snow removal, the Purchaser will perform the work according to the conditions and equipment requirements set forth in the Authorization.
- 3403 - The Purchaser shall be required to furnish and apply nonsaline water during dry hauling periods, when directed by the Authorized Officer, for the purpose of laying dust and to prevent loss of surface material. The first application of water shall be made at the rate of one-half gallon per square yard of road surface travelled. Subsequent applications shall be made for each 40 MBF of timber or 120 cubic yards of rock hauled. Subsequent waterings may be done at a rate less than one-half gallon per square yard when a specified lesser rate is approved by the Authorized Officer.
- The roads shown in Exhibit C-2 shall be watered.
- During drought periods when the transportation of water from the source to the road noted above exceeds 12 miles, a reduction shall be made in the total purchase price to reflect the additional haul or the substitution of other acceptable dust palliatives in lieu of watering, based on equipment rental rates from current BLM Timber Appraisal Production Cost Schedules.
- 3404 - The Purchaser may, at his option and expense, substitute lignin sulfonate, magnesium chloride, or bituminous dust palliatives for water on any or all road segments listed in Subsection 3403 provided that written approval is received from the Authorized Officer. Such authorization shall include approval of product specifications for the application of the product to be used. Multiple applications may be required to maintain the conditions specified in Subsection 3403.
- 3408 - Dust palliatives shall be applied by distribution equipment designed, equipped, maintained and operated, in a manner that the material is uniformly applied on variable widths of

surface at readily determined and controlled rates. All equipment shall be of a standard commercial type that will provide satisfactory performance.

- 3409 - The Purchaser shall notify the Authorized Officer a minimum of three 3 days in advance of application of required dust palliative.
- 3410 - The Purchaser shall prepare and submit to the Authorized Officer for his review and approval, an application schedule for all dust palliative work required under this Section. All such work shall be in accordance with the approved plan.
- 3411 - Lignin sulfonate magnesium chloride dust palliatives shall only be applied when the atmospheric temperature is 45 degrees F. and steady or rising, and when the weather is not foggy or rainy. The material shall not be applied when rain is anticipated within 24 hours of application.
- 3412 - The Purchaser shall apply to the prepared roadbed specified under Subsection 3405 a lignin sulfonate magnesium chloride dust palliative conforming to the material requirements of Subsection 3412b 3412c. The rate of application shall be 0.5 gallons per square yard surface. A second application at the rate of 0.5 gallons per square yard shall be applied at a time designated by the Authorized Officer.
Applied materials not penetrating the road surface shall be blade mixed with additional water into the top 1 to 1-1/2 inches of the surfacing at the contractor's expense.
- 3412a - If required, the lignin sulfonate or magnesium chloride shall be field diluted within the application vehicle and be circulated at least 5 minutes to assure mixing. An air gap shall be provided between any water source and the materials being diluted. Accidental spills shall be contained to prevent entry in water courses or ponded water. The surface of adjacent structures and trees shall be protected from spattering or marring.
A wetting agent may be used in addition to the certified compound or mixed with the road surface preparation watering. A mix of less than 1:6000 is recommended.
Water used to dilute lignin sulfonate concentrate shall be reasonably clean and free of oil, salt, acid, alkali, vegetable matter, or any other substance injurious to the finished product.
- 3412b - Specifications for Lignin Sulfonate:
Lignin sulfonate shall be the chemical residue produced as a by-product of the acid sulfite pulping process, and supplied as a water solution. The base cation shall be ammonia, calcium or sodium. The product shall be water soluble to allow field dilution.
Solids determination shall be made according to the modified Technical Association of the Pulp and Paper industry Standard T629-M53 or by a specific gravity/percent solids versus temperature graph that correlates with the standard. The pH of the applied solution shall be 4.5 minimum, as determined by AASHTO T 200.

Ammonium Lignin Sulfonate

Solids	48% min.
Moisture	50% max.
Sugars	12% max.

pH	4.5% min.
Protein	16% min.
NPH	15 max.
Ash	0.5%
Sulphur	5%
Calcium	0.025% min.
Viscosity at 77° F.	Less than 2000 CPS
lbs./gal.	10.2

3412c - Specifications for magnesium chloride:

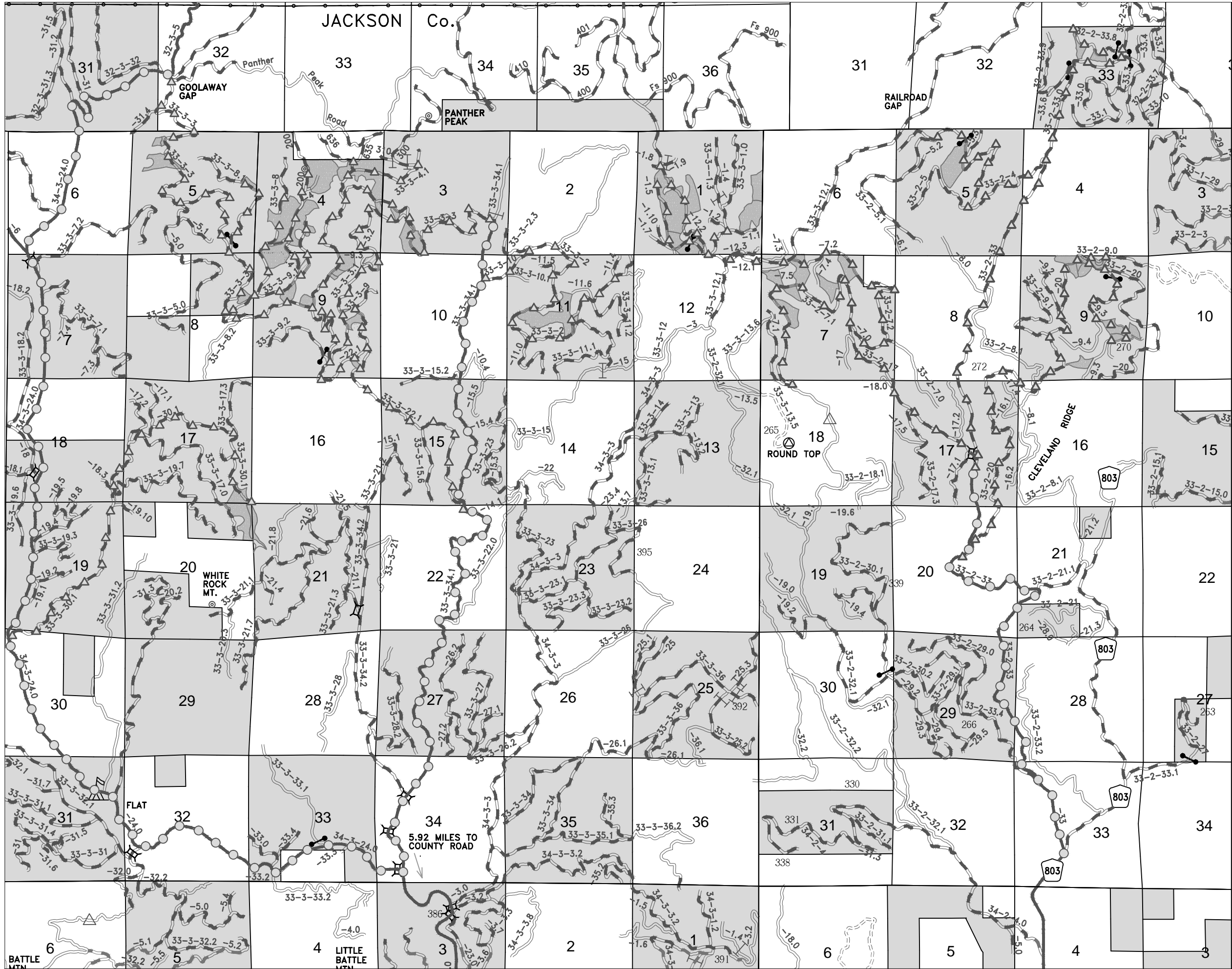
The material shall consist of a brine containing 29 to 35 percent magnesium chloride (Mg Cl₂) by weight and 62 to 72 percent water (H₂O) by weight. The brine may contain small amounts of nondetrimental ions not to exceed the quantities listed in the following table:

Chemical Constituents	Range % by Weight
Magnesium (Mg)	7.0 - 9.5
Chloride (Cl ₂)	20.0 - 24.0
Sulphate (SO ₄)	0.0 - 3.5
Sodium (Na)	0.0 - 0.8
Potassium (K)	0.0 - 0.8

Other nondetrimental elements such as Li, Br, Fe, and Ca may be present in small quantities.

The presence of nitrates or any foreign material which is potentially detrimental to the brine, or Government activities and resources, is not acceptable.

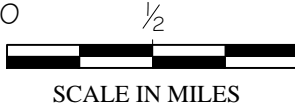
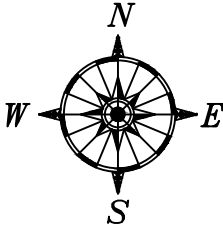
The presence of ions shall be quantitatively determined by Atomic Absorption Spectrometry or acceptable titration methods. The specific gravity of the brine shall be between 1.290 and 1.330. Specific gravity shall be determined by the use of a heavy liquid hydrometer capable of reading between 1.200 and 1.400.

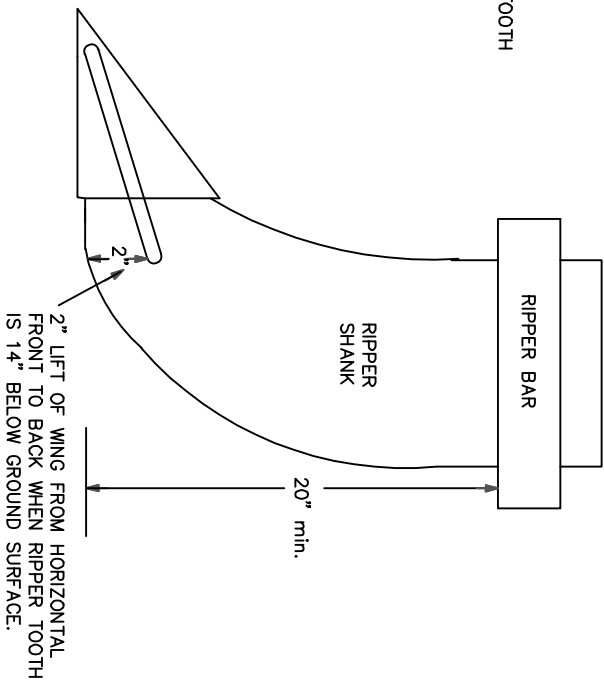
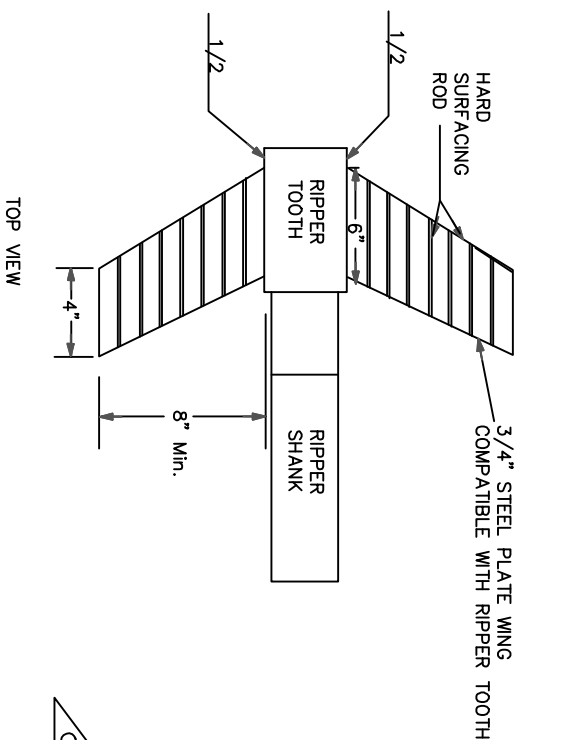


SKELETON MOUNTAIN MAINTENANCE MAP
CONTRACT NO. OR. 110-TS11-19
EXHIBIT D-2

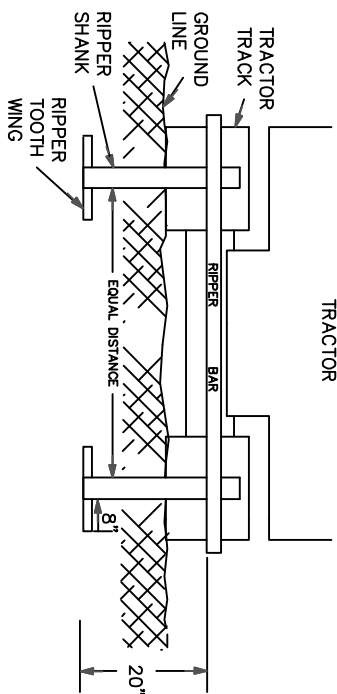
U.S.D.I. BLM MEDFORD DISTRICT
T.33S., R.2W T.33S., R.3W.

- EXISTING ROAD
- OPERATOR MAINTENANCE
- BLM MAINTENANCE
- SALE UNITS
- BLM





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.

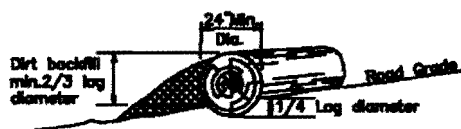
WING RIPPER DETAIL

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

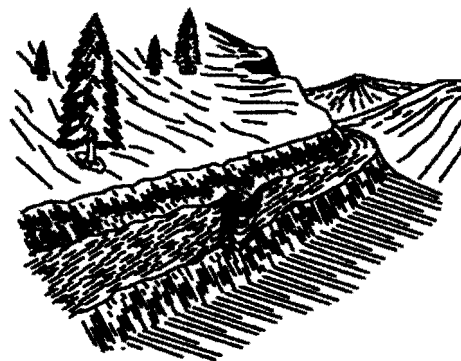
DESIGNED	
REVIEWED	
APPROVED	
CHIEF, DIVISION OF ENGINEERING OR DISTRICT ENGINEER	
DRAWN: JWR	SCALE: NONE
DATE: October 2009	SHEET 1 OF 1
DRAWING NO.	



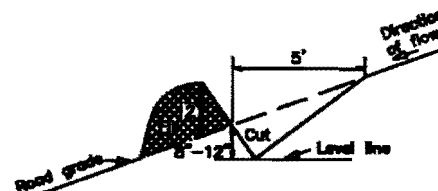
LOG BARRICADE



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".

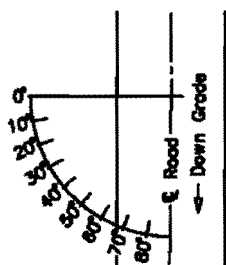


WATER BAR



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.
5. PRIOR TO BLOCKING, EACH ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN ABOVE.

SKEW DIAGRAM



WATER BAR SPACING *

ROAD GRADE	LOAM OR CLAY LOAM	DECOMPOSED GRANITE
%	FEET	FEET
4-6	400	300
7-9	300**	200**
10-14	200	150
15-20	150	90
21-40	90	50
41-60	50	25

* DISTANCES ARE MAXIMUM.
** ON GRADES IN EXCESS OF 10% CONSTRUCT WATER BARS.

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

DRAINAGE & EROSION CONTROL INSTALLATION

DESIGNED BLM
REVIEWED
APPROVED
DRAWN DCM SCALE NONE
DATE October 2008 SHEET 1 OF 1
DRAWING NO. OR-11-8113.4-8

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

LUMP SUM SALE

Name of Bidder
Tract Number OR110-TS11-19
Sale Name Skeleton Mountain
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
---	---

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 **\$14,200.00** 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	2931	X	=	X	=
White fir	MBF	675	X	=	X	=
Western hemlock	MBF	52	X	=	X	=
Incense-cedar	MBF	5	X	=	X	=
Ponderosa pine	MBF	4	X	=	X	=
Sugar pine	MBF	3	X	=	X	=
TOTAL		3670	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.