

PROSPECTUS

DxP SCALED SALE

****SBA SET ASIDE****

GRANTS PASS RESOURCE AREA
JOSEPHINE MASTER UNIT

Medford Sale # ORM07-TS14-12
July 24, 2014 (SQF)

#1. Rockstar Salvage,
Douglas & Josephine Counties, O&C

BID DEPOSIT REQUIRED: \$96,000.00

All timber designated for cutting in Lot 6, Lot 7, Lot 8, Lot 9, Lot 10, Lot 11, E $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 3; N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 7; N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 9; SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 15; NE $\frac{1}{4}$, SE $\frac{1}{4}$ Section 17; NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 21; W $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 29, T. 33 S., R. 7 W., Willamette Meridian.

Approx. Number Merch. Trees	Est. Volume MBF 32' Log	Species	Est. Volume MBF 16' Log	Appr. Price Per MBF*	Est. Volume Times Appraised Price
19,808	8,468	Douglas-fir	10,148	\$89.80	\$911,290.40
901	932	Ponderosa Pine	1,108	\$21.80	\$24,154.40
446	604	Sugar Pine	726	\$28.70	\$20,836.20
186	72	Incense Cedar	91	\$40.80	\$3,712.80
21,341	10,076	Totals	12,073		\$959,993.80

*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.

**This is an SBA Set-Aside timber sale. Bidding is limited to small business concerns as defined by the Small Business Act, §3, 72 Stat. 384, 15 U.S. Code 632, and the regulations of the Small Business Administration, Title 13, Code of Federal Regulations, Part 121, as amended.

TIMBER AUCTION LOCATION – The timber auction will be held at the Grants Pass Inter-agency Office, located at 2164 NE Spalding Ave., Grants Pass, Oregon, at 9 a.m. on Thursday, July 24, 2014.

CRUISE INFORMATION – The timber has been cruised using the PCMTRE sampling method to select sample trees. The sample trees have been cruised with the aid of a Relaskope and their volume expanded to a total sale volume. Maps showing the location and description of these sample trees are available at the Grants Pass Interagency Office.

The timber volumes were based on a variable plot cruise in Units 1 through 13, and a 100% cruise in the right-of-way areas of the Roads to be Constructed and Special Mark areas, using form class tables for estimating board foot volume of trees in 16-foot logs. Approximately 100% of the total sale volume is salvage material. With respect to merchantable trees of all species; the average tree is 23.0 inches DBHOB; the average log contains 178 bd. ft.; the total gross volume is approximately 15,537 MBF; and 78% recovery is expected. This cruise information is given for informational purposes only and the contract price and volume will be determined by a scale using eastside scribner.

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 under the United States in the form of unprocessed timber and is prohibited from use as a substitute for exported private timber.

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

CUTTING AREA – Thirteen (13) units containing four hundred twenty six (426) acres must be clear cut, nineteen (19) acres of Special Mark must be clear cut, and eight (8) acres of rights-of-way must be clear cut.

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

ACCESS AND ROAD MAINTENANCE - Access is provided on Plum Creek Timberlands LP roads, Roseburg Lumber Co. roads and Bureau of Land Management controlled roads. In the use of Bureau of Land Management controlled roads – Bureau of Land Management Maintenance, the Purchaser shall pay the Government a road maintenance obligation of one hundred five thousand seven hundred twenty-eight and 50/100 dollars (\$105,728.50) for timber and mineral haul.

In the use of Bureau of Land Management controlled roads – Purchaser Maintenance, the Purchaser will be required to perform maintenance on approximately 5.72 miles of renovated and constructed roads and pay the Government a road maintenance obligation for rockwear of two thousand five hundred sixty-eight and 30/100 dollars (\$2,568.30) for timber and mineral haul.

In the use of Plum Creek Timberlands LP controlled roads – Bureau of Land Management maintenance, the Purchaser shall enter into a license agreement with Plum Creek Timberlands LP and carry liability insurance with limits of \$1,000,000/\$1,000,000/1,000,000, and a performance bond in the sum of \$5,000.00 for timber and mineral haul.

In the use of Roseburg Lumber Co. controlled roads – Purchaser maintenance, the Purchaser shall enter into a license agreement with Roseburg Lumber Co, and be required to perform maintenance on approximately 0.14 miles of renovated roads and carry liability insurance with limits of \$1,000,000/\$1,000,000/1,000,000, and a performance bond in the sum of \$5,000.00 for timber and mineral haul.

Purchaser maintenance shall include frequent blading and shaping of road surface; ditch, culvert, and catch basin cleaning; removal of minor slides and other debris. Roads shall be left in a condition to withstand adverse weather at the end of the seasonal operations.

ROAD CONSTRUCTION AND RENOVATION- The purchaser will be required to do all work set forth below. The purchaser shall supply all materials unless otherwise indicated.

1. Construction:

Road Y1, 395 feet, 14-foot subgrade with 1-foot ditch
Surfacing – Natural surfacing

Road Y2, 165 feet, 14-foot subgrade
Surfacing – Natural surfacing

Road R3, 330 feet, 14-foot subgrade
Surfacing – Natural surfacing

Road L-32, 355 feet, variable subgrade
Surfacing – Natural surfacing

Road P3, 1,305 feet, 14-foot subgrade
Surfacing – Natural surfacing

Road P4, 3,560 feet, 14-foot subgrade with 1-foot ditch
Surfacing – Natural surfacing

Road P5, 100 feet, 14-foot subgrade
Surfacing – Natural surfacing

Road P6, 800 feet, 14-foot subgrade
Surfacing – Natural surfacing

Road P7, 195 feet, 14-foot subgrade
Surfacing – Natural surfacing

Road P8, 820 feet, 14-foot subgrade (with 1-foot ditch Sta 4+00 to Sta 8+00)
Surfacing – Natural surfacing

Road P9, 1,095 feet, 14-foot subgrade with 1-foot ditch
Surfacing – Natural surfacing

2. Renovation:

Road 33-7-3.1, MP 0.00 - 0.15, 792 feet, 16-foot subgrade with 2-foot ditch.
Surface blading and compacting; roadside brushing; clean culverts, clean catch basins, clean ditches.

Road 33-7-21.0, MP 0.00-2.98, 15,734 feet, 16-foot subgrade with 2-foot ditch.
Surface blading and compacting; roadside brushing; clean culverts, clean catch basins, clean ditches.

Road 33-7-21.3, MP 0.00-0.08, 422 feet, 16-foot subgrade with 2-foot ditch.
Surface blading and compacting; roadside brushing; clean culverts, clean catch basins, clean ditches.

Road 33-7-21.3, MP 0.08-0.19, 580 feet, 16-foot subgrade with 1-foot ditch.
Surface blading and compacting; roadside brushing; ditch restoration; clearing and grubbing as necessary.

Road 33-7-29.1, MP 0.00-0.11, 580 feet, 16-foot subgrade with 2-foot ditch.
Surface blading and compacting; roadside brushing; clearing and grubbing as necessary for

helicopter landing.

Road R₁, MP 0.00-0.16, 845 feet, 16-foot subgrade.

Surface blading and compacting; roadside brushing; clearing and grubbing with embankment excavation as necessary for road widening (MP 0.11-0.16).

3. Estimated Quantities:

Clearing:

7.6 acres of new construction

Excavation:

14,059 cubic yards of common

Culvert and Flume:

48 feet of 18 inch CPP

Additional information is available in the timber sale prospectus.

SOIL DAMAGE PREVENTION – Pursuant to Section 26 of Form 5450-4, Timber Sale Contract, the Purchaser shall not conduct mechanical ground-based harvesting, ground-based yarding, skid trail and landing rehabilitation, temporary route construction, temporary route reconstruction, or temporary route decommissioning in all harvest units, or skyline based yarding with one-end suspension in harvest units 1, 2, 3, 5, 6, 7, 8, 9, 10, and roadside hazard tree Special Mark Areas, as shown on Exhibit A between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If wetting winter rains have not occurred; the weather forecast is monitored daily; all winterization actions can reasonably occur prior to the season ending storm event; soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, then the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

Pursuant to Section 26 of Form 5450-4, Timber Sale Contract, the Purchaser shall not conduct any haul on natural surface and rocked roads on the Contract Area between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If the Authorized Officer determines that hauling would not result in road damage or the transport of sediment to nearby stream channels based on soil moisture conditions or rain events, the Contracting Officer may approve a conditional waiver for hauling. If soil moisture conditions or rain events are anticipated to cause impacts to roads or stream water quality resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

Pursuant to Section 26 of Form 5450-4, Timber Sale Contract, the Purchaser shall not conduct one-end suspension cable yarding **in slope restricted portions of harvest units 1, 2, 3, 5, 7, as shown on Exhibit G** between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If yarding can be accomplished using full suspension, then the Contracting Officer may approve a conditional waiver.

EQUIPMENT REQUIREMENTS –A yarding tractor not greater than 9 feet wide as measured from the outer edges of standard width shoes and equipped with an integral arch and a winch for lining logs seventy-five (75) feet. A skyline yarder capable of one-end suspension with a minimum lateral yarding capability of seventy-five (75) feet while maintaining a fixed position during inhaul; capable of multi-span; and capable of an external yarding distance of one thousand five hundred (1,500) feet slope distance. A helicopter equipped with a dropline with a minimum length of one hundred fifty (150) feet.

SLASH DISPOSAL - Slash disposal within the harvest units will consist of a combination of lop and scatter, yum yarding hardwoods, hand pile and cover hand piles, hand pile burn, and cover and burn landing decks as described in SD-5 of the Special Provisions. Hand pile and cover slash located in harvest units within one hundred (100) feet of roads where it coincides with a harvest unit boundary. Lop and scatter the rest of the area within units. A post logging assessment shall be conducted to determine final slash treatment needs in all units. The initial appraisal prescribed three hundred fifty nine (359) acres of lop and scatter, thirty six (36) acres of yum yarding hardwoods in unit 5, fifty six (56) acres of hand pile and cover hand piles, fifty six (56) acres of hand pile burn and mop up, thirty four (34) acres of cover and burn landing piles.

CONTRACT TERMINATION - A Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and/or to modify or terminate the contract when necessary to comply with the Endangered Species Act, or comply with a court order. 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. In cable and ground based yard units, all trees designated for cutting shall be whole tree yarded or yarded with tops attached unless tops are needed in contour felling areas or are needed to meet coarse woody debris (CWD) requirements as determined by the Authorized Officer.
3. All leave trees will be selected by the Purchaser through Designation by Prescription (DxP) criteria as outlined in Exhibit F, except for roadway hazard trees Special Mark Areas along BLM roads 33-7-3.0, 33-7-7.0, and 33-7-21.0 which will be blue marked (for cut tree removal) by the BLM.
4. In ground based yard units, the Purchaser may use a mechanical harvester, feller-processor, or feller buncher with approval of the Authorized Officer. The machine must have a boom with a lateral reach of at least twenty (20) feet. See Special Provision L-7 for more details.
5. In the **Special Yarding Area of harvest unit 5** as shown on Exhibit A, all hardwood trees between eight (8) inches diameter and sixteen (16) inches diameter at the large end exceeding six (6) feet in length shall be yum yarded and decked along BLM road 33-7-32.0.
6. In harvest units 1, 2, 3, 4, 5, 6, 7, 10, 11, and 13 as shown on Exhibit G, all trees needed to meet Contour Felling Exhibit J and not reserved shall be felled parallel to the contour of the slope unless waived by the Authorized Officer. See Special Provision L-15, Exhibit G, and Exhibit J for more details.

7. No harvest operations within the **Restricted Operating Areas in units 1, 11, and Special Mark Area along BLM Roads 33-7-3.0 & 33-7-21.0 as shown on Exhibit A**, shall be conducted between March 1 and June 30 of the same calendar year, both days inclusive. This restriction shall not apply if it can be shown from northern spotted owl protocol surveys conducted by the BLM in accordance with accepted standards that owl nesting and/or fledging activities are not occurring during the year and/or time of harvest. See Special Provisions L-18a and E-6 for more details.
8. No harvest operations within **talus portions of harvest units 1, 2, 3, 6, and 7 as shown on Exhibit G** between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If wetting winter rains have not occurred; the weather forecast is monitored daily; soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, then the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
9. In unit 1, there are special measures needed to maintain the mining ditch as shown on Exhibit G. See Special Provision L-7MC cable yarding table for more details. Additionally, do not place handpiles within twenty five (25) feet of the mining ditch.
10. The purchase of this salvage timber entitles the Purchaser to volume-for-volume and contract term-for-contract term extensions without reappraisal of qualifying Federal Timber Sale contracts for green timber held by the Purchaser.
11. Appendix C1 (Plan and Profile Sheets) and Appendix C2 (Road Plan Maps) are available upon request.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA –

The Rockstar Salvage Timber Sale is located approximately 6 air miles from Glendale, Oregon. From Glendale, travel approximately 4.5 miles on Mt. Ruben Road. Stay straight onto the 33-7-3.0 road. Travel approximately 0.75 mile and arrive at Contract Area.

See general vicinity map and Exhibit E for details.

ENVIRONMENTAL ASSESSMENT - An environmental assessment DOI-BLM-OR-M070-2014-006-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.

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

Section. 41. Timber Reserved from Cutting -The following timber on this 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 Areas as shown on Exhibit A and all trees marked with a combination of orange paint, orange flagging, and/or posters which are on or mark the boundaries of the Reserve Areas.
- (B) IR-2 All timber except approximately five hundred fifty (550) trees marked for cutting heretofore by the Government with blue paint above and below stump height in the Reserve Area as shown as Special Mark on Exhibit A.
- (C) IR-6 All leave trees required to meet the Selection Criteria as outlined in Exhibit F, in harvest units as shown on Exhibit A. If leave trees must be felled for safety, they shall be left on-site if retention would not cause safety hazards.
- (D) IR-6 All pre-existing dead and down wood required to meet the Selection Criteria as outlined in Exhibit F, in harvest units as shown on Exhibit A.

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Section 42.

(A) Log Exports

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

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

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

1. Date of last export sale.
2. Volume of timber contained in last export sale.
3. Volume of timber exported in the past twelve (12) months from the date of last export sale.
4. Volume of Federal timber purchased in the past twelve (12) months from the date of last export sale.
5. Volume of timber exported in succeeding twelve (12) months from date of last export sale.
6. Volume of Federal timber purchased in succeeding twelve (12) months from date of last export sale.

In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party buying, exchanging, or receiving such timber to execute a "Certificate as to Non-

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substitution and the Domestic Processing of Timber." The original of such certificate shall be filed with the Authorized Officer. Additionally, when the other party is an affiliate of the Purchaser, the Purchaser will be required to update information under item (2) of Form 5450-17 (Export Determination) and file the form with the Authorized Officer.

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

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

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

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

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

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

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(B) Logging

- (1) L-1 Before beginning operations on the contract area for the first time or after a shutdown of seven (7) or more days, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. This written notification must be received by the Authorized Officer no less than seven (7) days prior to the date the Purchaser plans to begin or resume operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of (7) or more days.
- (2) L-3 All trees designated for cutting in salvage harvest units shall be cut so that the resulting stumps shall not be higher than twelve (12) inches measured from the ground on the uphill side of the trees.
- (3) L-4 All conifer trees eight (8) inches or larger D.B.H.O.B. and not reserved in Section 41 nor in Exhibit E shall be felled in all salvage harvest units as shown on Exhibit A.
- (4) L-4 All live and dead standing hardwood trees and brush greater than twelve (12) inches in height and less than six (6) inches D.B.H.O.B. shall be felled in all harvest units as shown on Exhibit A.
- (5) L-6 In cable and ground based yard harvest units as shown on Exhibit A, all trees designated for cutting shall be felled and whole tree yarded or yarded with tops attached except when excessive stand damage occurs; except when tops are needed to meet contour felling requirements; or except when tops are needed to meet coarse woody debris (CWD) requirements as determined by the Authorized Officer. If excessive stand damage occurs, all trees shall be bucked into log lengths prior to being yarded.
- (6) L-7 In the cable yarding areas of harvest units as shown on Exhibit A, all trees designated for cutting shall be manually felled. Ground-based yarding portions of harvest units as shown on Exhibit A may be felled mechanically using a harvester, feller-processor, or feller-buncher with the approval of the Authorized Officer and in accordance with the following specifications:
 - (a) Mechanized felling operations shall be limited to slopes of thirty-five (35) percent or less.
 - (b) Mechanized felling operations are subject to seasonal operating restrictions as described in Section 42(B)(12) of this contract.
 - (c) The harvester, feller-processor, or feller-buncher shall be approved by the Authorized Officer prior to the start of mechanized felling operations. Only purpose built carriers with boom-mounted felling heads may be approved. The boom must have a lateral reach of twenty (20) feet or

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more, and the machine's lateral reach must be utilized as much as possible. The purpose-built carrier may be of the articulated, rubber-tired design, or the zero-clearance tail swing leveling track-mounted design.

- (d) The harvest equipment shall walk on existing or created slash as directed by the Authorized Officer.
- (7) L-7MC Yarding on the areas designated herein and shown on Exhibit A shall be done in accordance with the yarding requirements or limitations for the designated area.

Designated Area	Yarding Requirements or Limitations
<u>ROADSIDE HAZARD TREES BLUE-MARKED FOR CUT:</u> Special Mark Areas along BLM Roads 33-7-3.0, 33-7-7.0, and 33-7- 21.0	<p>The Purchaser shall not skid logs on any road, from ditchline to outside shoulder of road, unless approved by the Authorized Officer. Care shall be taken to avoid damaging roads during operations. Any road damage shall be repaired by the Purchaser to the satisfaction of the Authorized Officer.</p> <p>Log decks shall only be allowed on the fill slope. Log decks will not be permitted in the ditchline, nor the cutslope, unless approved by the Authorized Officer.</p> <p>Landing size shall not exceed one-quarter (¼) acre, shall be located along existing roads and/or temporary routes, and shall be approved by the Authorized Officer. No landing creation or expansion shall occur without prior approval from the Authorized Officer. Design landings with adequate drainage.</p> <p>Conifer tops and limbs, hardwoods, brush, and other cut vegetation created from the roadway clearing treatment shall be lopped and scattered and treated concurrently with felling operations. All logging debris shall be removed from roads and ditches upon completion of yarding operations.</p> <p>All mechanized equipment shall only operate on existing road surfaces.</p>

Designated Area	Yarding Requirements or Limitations
<u>GROUND BASED YARD UNITS:</u> 1, 3, 5, 6, 9, and 10	Yarding tractor width shall not be greater than nine (9) feet track width and shall be equipped with an integral arch. Skid roads shall not exceed a width of twelve (12)

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	<p>feet on average per unit.</p> <p>Prior to applying the Selection Criteria outlined in Exhibit F and/or falling any timber in the unit, all new skid roads shall be pre-designated by the Purchaser and approved by the Authorized Officer. Yarding tractors shall operate only on tractor skid roads approved by the Authorized Officer.</p> <p>Existing Skid roads shall be used when possible. New skid roads shall be placed at least one hundred fifty (150) feet apart where topography will allow. New skid roads must be located on ground less than thirty-five (35) percent slope and be located perpendicular to the slope to minimize road cutting. Upon completion of harvest, utilized skid trails would be rehabilitated.</p> <p>Yarding tractors will be equipped with integral arches and winch systems capable of lining logs at least seventy five (75) feet.</p> <p>Landing size shall not exceed one-quarter ($\frac{1}{4}$) acre, shall be located along existing roads and/or temporary routes within unit boundaries, and shall be approved by the Authorized Officer. Expansion of existing landings within the Riparian Reserve shall not be permitted. Design landings with adequate drainage so that they are not hydrologically connected to the ditchline of roads.</p> <p>Directional falling to lead and away from streams, reserve trees and snags, resource concern buffers, and unit boundaries will be required.</p> <p>The use of blades while tractor yarding will be limited, equipment shall walk over as much ground litter as possible.</p> <p>Do not yard cull material greater than sixteen (16) inches diameter at the large end and sixteen (16) feet in length and greater to landings.</p>
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Designated Area	Yarding Requirements or Limitations
<u>CABLE UNITS:</u> 1, 2, 3, 5, 6, 7, 8, 9, and 10	Yarding shall be done with a standing skyline-type cable yarding system which will suspend one end of the log clear of the ground during inhaul on the yarding corridor.

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	<p>The skyline-type system shall be equipped with a clamping, energized or mechanical slackpulling carriage capable of yarding fifteen hundred (1,500) feet slope distance from the landing and has a minimum lateral yarding capability of seventy-five (75) feet. The carriage shall be capable of maintaining a fixed position on the skyline during lateral yarding and shall be able to pass intermediate support jacks as required. The rigging of tail or lift trees, intermediate supports, and use of tailholds outside the units shall be required where necessary to meet this requirement.</p> <p>Yarding corridors shall be perpendicular to the contours unless otherwise approved by the Authorized Officer.</p> <p>Full log suspension is required over streams and for two hundred (200) feet on each side of the stream with prior approval of the Authorized Officer.</p> <p>Yarding shall be permitted through the Reserve Area in the approximate location for Unit 3 as shown on Exhibit A.</p> <p>Prior to applying the Selection Criteria outlined in Exhibit F and/or falling any timber in the unit, all yarding corridors, tail/lift trees, and/or intermediate support trees shall be pre-designated by the Purchaser and approved by the Authorized Officer.</p> <p>Directional falling to lead and away from streams, reserve trees and snags, resource concern buffers, and unit boundaries will be required.</p> <p>Existing cable corridors shall be used whenever possible. Yarding corridors shall be approximately one hundred fifty (150) feet apart, measured at the tailholds.</p> <p>Yarding corridor widths shall not exceed six (6) feet either side of the skyline centerline.</p> <p>Landing size shall not exceed one-quarter (1/4) acre, shall be located along existing roads, swing trails, and/or temporary routes within unit boundaries, and shall be approved by the Authorized Officer. Expansion of existing landings within the Riparian Reserve shall not be permitted. Design landings with adequate drainage so that</p>
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ROCKSTAR SALVAGE SPECIAL PROVISIONS

	<p>they are not hydrologically connected to the ditchline of roads.</p> <p>In Unit 1 where the mining ditch is flagged with orange and black combination flagging as shown on Exhibit G: all timber shall be directionally felled away from the mining ditch; when cutting trees in the ditch, cut close to the ground to avoid uprooting stumps; no equipment shall cross the mining ditch; reduce the number of yarding crossings as much as possible; upon completion of logging operations, all slash, other logging debris, and soil created from the operation shall be removed from the ditch by hand with hand tools to the satisfaction of the Grants Pass archeologist and Authorized Officer.</p> <p>All yarding corridors will be water-barred and will be covered with slash prior to seasonal winter rains.</p> <p>Do not yard cull material greater than sixteen (16) inches diameter at the large end and sixteen (16) feet in length and greater to landings.</p>
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Designated Area	Yarding Requirements or Limitations
<p style="text-align: center;"><u>HELICOPTER UNITS</u></p> <p>1, 2, 4, 6, 7, 11, 12, 13, and Special Mark Areas in T.33S, R.7W, Sec. 9 & T.33S, R.7W, Sec. 29 as shown on Exhibit A</p>	<p>All yarding will be done with an aerial system.</p> <p>Log landing size shall not exceed one (1) acre and all landings shall be approved by the Authorized Officer prior to construction. Expansion of existing landings within the Riparian Reserve shall not be permitted. Design landings with adequate drainage so that they are not hydrologically connected to the ditchline of roads.</p> <p>Service pad and helispot construction cannot occur without prior approval of the Contract Administrator and shall not be larger than necessary.</p> <p>A dropline with a minimum length of one hundred fifty (150) feet is required.</p> <p>Logs to be yarded will be lifted vertically to a height above the adjacent leave trees without horizontal movement.</p> <p>All multiple log turns will be vertically lifted from a small enough radius to result in minimal damage to the residual</p>

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	forest stand as determined by the Authorized Officer.
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- (8) L-9 No yarding or loading is permitted in or through the Reserve Area, shown on Exhibit A except as otherwise provided in this contract.
- (9) L-11 No new landing shall be located within two hundred (200) feet of streams as shown on Exhibit A.
- (10) L-15 In harvest units 1, 2, 3, 4, 5, 6, 7, 10, 11, and 13 as shown on Exhibit G, all trees needed to meet Contour Felling Exhibit J except those reserved, shall be felled parallel to the contour of the slope and prior to falling trees on the adjacent slope in locations as shown on Exhibit G above specified roads and riparian reserves. If the Authorized Officer determines that the adjacent area has sufficient ground cover vegetation present to effectively trap sediment this requirement shall be waived.
- (11) L-17 No trees may be felled into the Reserve Areas on Exhibit A, or adjacent private land, unless expressly authorized by other provisions in this contract. Tops, limbs, and other logging debris entering the Reserve Area from felling operations shall be pulled back into the Salvage Area shown on Exhibit A.
- (12) L-18 No mechanical ground-based harvesting or ground-based yarding shall be conducted in the contract area between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If wetting winter rains have not occurred; the weather forecast is monitored daily; all winterization actions can reasonably occur prior to the season ending storm event; the soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, then the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (13) L-18 No tree felling or yarding shall be conducted in **talus portions** of harvest units 1, 2, 3, 6, and 7 as shown on Exhibit G between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If wetting winter rains have not occurred; the weather forecast is monitored daily; the soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, then the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

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- (14) L-18 No one-end suspension cable yarding shall be conducted in **slope restricted portions** of harvest units 1, 2, 3, 5, 7, as shown on Exhibit G between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If yarding can be accomplished using full suspension, then the Contracting Officer may approve a conditional waiver. If impacts to wet soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (15) L-18 No one-end suspension cable yarding shall be conducted in harvest units 1, 2, 3, 5, 6, 7, 8, 9, and 10 as shown on Exhibit A between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If yarding can be accomplished using full suspension or wetting winter rains have not occurred; the weather forecast is monitored daily; all winterization actions can reasonably occur prior to the season ending storm event; the soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, then the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (16) L-18 No roadside hazard tree operations in Special Mark Areas along BLM Roads 33-7-3.0, 33-7-7.0, and 33-7-21.0, landing construction, skid trail and landing rehabilitation, temporary route construction, temporary route reconstruction, or temporary route decommissioning shall be conducted in the contract area between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If wetting winter rains have not occurred; the weather forecast is monitored daily; all winterization actions can reasonably occur prior to the season ending storm event; moisture conditions on the road are deemed acceptable and do not result in continuous mud splash or tire slide, fines being pumped through road surfacing from the subgrade, road drainage causing a visible increase in stream turbidities, surface rutting, surface ribboning, or any condition that would result in water being chronically routed into tire tracks or away from designed road drainage during precipitation events, then the Contracting Officer may approve a conditional waiver. If moisture conditions on the road resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (17) L-18 No log loading or haul on neither natural surface nor rocked roads shall be conducted on the Contract Area between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If the Authorized Officer determines that hauling would not result in road damage or the transport

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of sediment to nearby stream channels based on soil moisture conditions or rain events, Contracting Officer may approve a conditional waiver for hauling. If soil moisture conditions or rain events are anticipated to cause impacts to roads or stream water quality resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

- (18) L-18a No harvest operations within **restricted operating areas** of units 1, 10, 11, and Special Mark Area along BLM Roads 33-7-3.0 & 33-7-21.0 as shown on Exhibit A shall be conducted between March 1 and June 30 of the same calendar year, both days inclusive. This restriction will not apply if it can be shown from northern spotted owl protocol surveys conducted by the Bureau of Land Management in accordance with accepted standards that northern spotted owl nesting and/or fledging activities are not occurring during the year and/or time of harvest.
- (19) L-19 Prior to attaching any logging equipment to a reserve tree, the Purchaser shall obtain written approval from the Authorized Officer and shall take precautions to protect the tree from damage as directed in writing by the Authorized Officer.
- (20) L-20 During logging operations, the Purchaser shall keep the 33-7-7.0, 33-7-8.0, and 33-7-32.0 roads, where they pass through the contract area, clear of trees, rock, dirt, and other debris so far as it is practicable. The roads shall not be blocked by such operations for more than thirty (30) minutes.
- (21) L-21 The Purchaser shall provide two (2) flagmen to control traffic on the 33-7-7.0, 33-7-8.0, and 33-7-32.0 roads where they pass through the contract area and Special Mark Areas along BLM Roads 33-7-3.0, 33-7-7.0, and 33-7-21.0 whenever tree felling operations are in progress in this area.
- (22) L-24 Prior to the commencement of operations the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A 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.
- (23) L-25 Before cutting and removing any trees necessary to facilitate logging in the Units shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding the following conditions must be met:

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- (a) All skid roads and/or cable yarding roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees; however, unless otherwise approved in writing by the Authorized Officer, the width of each skid road, and/or cable yarding road shall be limited to twelve (12) feet.
- (b) The Purchaser may immediately cut and remove additional timber to clear skid roads and cable yarding roads; and provide tailhold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with color of paint designated at the pre-work meeting, paint above and below stump height by the Authorized Officer and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber to be sold will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this provision unless sufficient installment payments have been made in accordance with Sec. 3.(b). of the contract or sufficient bonding has been provided in accordance with Sec. 3.(d). of the contract.
- (c) The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Sec. 9 of the contract.
- (d) This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked and approved for cutting by the Authorized Officer, which under Section 10 of the contract constitutes a violation of the contract and under Section 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.
- (e) If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber, and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Sec. 8

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or Sec. 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay, or interrupt any or all contract work for the period of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.

- (24) L-25M Except for logs sold and removed from the contract area, and except for logs reserved in Section 41, all hardwoods from areas specified below and shown on Exhibit S, which meet the length and diameter specifications shown below, shall be yarded and decked or windrowed at the log destination area(s) described below and shown on Exhibit S. If a log or piece of log meeting the specifications shown below is bucked and left in place, all portions of that log shall be yarded and decked or windrowed to the following described log destination area(s).

Specified Areas	Log Destination Areas	Log Specifications
Special Yarding Area in Unit 5 as shown on Exhibit A.	Deck hardwoods along BLM road 33-7-32.0 as shown on Exhibit A.	Logs, including hardwoods, which are eight (8) inches or larger, but less than seventeen (17) inches in diameter at the large end and longer than six (6) feet in length.

- (25) L-28 In cable yard harvest units as shown on Exhibit A, the Purchaser shall make cable yarding road changes by completely spooling the cables and restringing the layout from the head spar to the new tailhold to protect advance reproduction and/or reserve trees and snags present in those areas.

(C) Road Construction – Maintenance – Use

- (1) RC-1a The Purchaser shall construct, improve and/or renovate all roads and other structures in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.
- (2) RC-1b Prior to removal of any timber, except right-of-way timber, the Purchaser shall complete all construction, improvement, or renovation of structures and roads as specified in Exhibit C.
- (3) RC-1d The Purchaser shall not commence work on road improvements, or renovation until receiving written notice to do so from the Authorized Officer. Work shall be commenced no later than 5 days after such notice, and shall be completed within 1 year after such notice.

No road reconstruction, renovation, or decommissioning shall be conducted in the Contract Area, as shown on Exhibit A, between October 15th of one calendar year and May 15th of the following calendar year (both days inclusive), or during periods of wet soil conditions as determined by the Authorized Officer.

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- (4) RC-2 BLM Maintenance. The Purchaser is authorized to use the roads listed below, and as shown on Exhibit E, which are under the jurisdiction of the Bureau of Land Management, for the removal of Government timber sold under the terms of this contract, provided that the Purchaser pay the required maintenance fees described in Section 42(C)(7). The Purchaser shall pay current Bureau of Land Management maintenance fee (which includes rock wear) for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
33-7-03.0 (A, B, D-K)	6.91	BLM	ASC
33-7-08.0	0.67	BLM	ASC
33-7-32.0 (B1-D)	5.59	BLM	ASC
Total	13.17 miles		

- (5) RC-2a Purchaser Maintenance. The Purchaser is authorized to use the roads listed below, and shown on Exhibit E, which are under the jurisdiction of the Bureau of Land Management for the removal of Government timber sold under the terms of this contract, provided that the Purchaser comply with the conditions set forth in Section 42(C)(9) and pay the required rock wear obligation described in Section 42(C)(8). The Purchaser shall pay current Bureau of Land Management rock wear fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
33-7-03.1	0.15	BLM	ASC
33-7-7.0	0.40	BLM	ASC
33-7-21.3	0.19	BLM	ASC
33-7-21.0 (A-B)	2.98	BLM	ASC
33-7-29.1	0.11	BLM	ASC
R ₁	0.16	BLM	NAT*
R ₃	0.06	BLM	NAT*
Y ₁	0.07	BLM	NAT*
Y ₂	0.03	BLM	NAT*
P ₃	0.25	BLM	NAT*
P ₄	0.67	BLM	NAT*
P ₅	0.02	BLM	NAT*
P ₆	0.15	BLM	NAT*

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P ₇	0.04	BLM	NAT*
P ₈	0.16	BLM	NAT*
P ₉	0.21	BLM	NAT*
L ₃₂	0.07	BLM	NAT*
Total	5.72 Miles		

**No rock wear fees assessed on NAT surfaced roads; listed only for authorization of use.*

- (6) RC-2d The Purchaser shall be authorized to use other roads not included in Section 42(C)(4) and Section 42(C)(5); provided, that in the use of such roads, the Purchaser shall pay the Government current Bureau of Land Management road maintenance and/or rock wear fees for the particular surface type of the roads used.

For administrative purposes the total maintenance and rock wear 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.

Adjustments of fee obligations shall be amended per Section 42(C)(7) and Section 42(C)(8) of this contract.

- (7) RC-2e The Purchaser is authorized to use the roads listed in Section 42(C)(4) which are under the jurisdiction of the Bureau of Land Management, and maintained by the Bureau of Land Management, for the removal of Government timber sold under the terms of the contract; provided, that the Purchaser shall pay a road maintenance fee (which includes rock wear) of **\$1.25** per thousand board feet log scale per mile for the use of said roads. The total maintenance fee due shall be based upon volumes determined pursuant to Section 2 and 3 of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads. **The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer.** The Authorized Officer shall establish an installment schedule of payment of the maintenance obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total maintenance payments made under this contract exceed

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the total maintenance payment due, such excess shall be returned to the Purchaser within sixty 60 days after such determination is made.

- (8) RC-2e_(rw) The Purchaser is authorized to use the roads listed in Section 42(C)(5) which are under the jurisdiction of the Bureau of Land Management, and maintained by the Purchaser, for the removal of Government timber sold under the terms of the contract; provided, that the Purchaser shall pay a road rock wear fee of **\$0.49** per thousand board feet log scale per mile for the use of said roads. The total rock wear fee due shall be based upon volumes determined pursuant to Section 2 and 3 of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads. **The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer.** The Authorized Officer shall establish an installment schedule of payment of the rock wear obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total rock wear payments made under this contract exceed the total rock wear payment due, such excess shall be returned to the Purchaser within sixty 60 days after such determination is made.
- (9) RC-2h Except for road maintenance in accordance with Section 42(C)(10) and Section 42(C)(11), and as shown on Exhibit E, the Purchaser shall perform any required road repair and maintenance work on roads used by him, under the terms of Exhibit D, "Road Maintenance Specifications," of this contract, which is attached hereto and made a part hereof.
- (10) RC-3 In the use of road 33-7-03.0 (Segment C) and 33-7-32.0 (Segment C), the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-887B between the United States of America and Plum Creek Timberlands, LP. 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, 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. The Purchaser will be required to carry liability insurance with limits of \$1,000,000/\$1,000,000/\$1,000,000 and a performance bond of \$8,000.
- (11) RC-3 In the use of Private Spur in T33S, R7W, SW1/4SE1/4 Section 4, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-605A between the United States of America and Roseburg Resources Company. This document is available for inspection at the Bureau of

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Land Management, Medford Interagency Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of said road, the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision. The Purchaser will be required to carry liability insurance with limits of \$1,000,000/\$1,000,000/\$1,000,000 and a performance bond of \$10,000.

- (12) RC-8 The Purchaser shall be required to secure written approval to use vehicles or haul equipment over Government owned or controlled roads and/or structures when that vehicle or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

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

Details shall include:

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

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

(D) Environmental Protection

- (1) E-1 In addition to the requirement set forth in Section 26 of this contract, the Purchaser shall implement the following noxious weed control measures:
- (a) In order to prevent the potential spread of noxious weeds into the Medford District BLM, the operator would be required to clean all logging, construction, chipping, grinding, shredding, rock crushing, and transportation equipment prior to entry on BLM lands.

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- (b) Cleaning shall be defined as removal of dirt, grease, plant parts, and material that may carry noxious weed seeds into BLM lands. Cleaning prior to entry onto BLM lands may be accomplished by using a pressure hose.
 - (c) Only equipment inspected by the BLM would be allowed to operate within the Analysis Area. All subsequent move-ins of equipment as described above shall be treated the same as the initial move-in.
 - (d) Prior to initial move-in of any equipment, and all subsequent move-ins, the operator shall make the equipment available for BLM inspection at an agreed upon location off Federal lands.
 - (d) Equipment would be visually inspected by the Authorized Officer to verify that the equipment has been reasonably cleaned.
- (2) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall only use certified weed-free hay and native grass seed species approved by the Authorized Officer for rehabilitation activities. All seeding shall be contingent upon seed availability.
- (3) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall prepare a Spill Prevention, Control, and Countermeasure Plan for all hazardous substances to be used in the contract area, as directed by the Authorized Officer. Such plan shall include identification of Purchaser's representatives responsible for supervising initial containment action for releases and subsequent cleanup. Such plans must comply with the State of Oregon DEQ OAR 340-142, Oil and Hazardous Materials Emergency Response Requirements.
- (4) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall not refuel equipment, store, or cause to have stored, any fuel or other petroleum products within one hundred fifty (150) feet of all riparian management or wet areas. All Petroleum products shall be stored in durable containers and located so that any accidental releases will be contained and not drain into any stream system. Hydraulic fluid and fuel lines on heavy mechanized equipment would be in proper working condition in order to minimize potential for leakage into streams. Absorbent materials shall be onsite to allow for immediate containment of any accidental spills. Spilled fuel and oil shall be cleaned up and disposed of at an approved disposal site.
- (5) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall not locate new landings in areas that contribute eroded fines to dry draws and swales. If landing location cannot be avoided, ensure that properly installed sediment control measures are placed and maintained, as needed, to keep eroded material onsite.

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- (6) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall cover cable yarding corridors, ground based skid trails, and other areas of exposed soil resulting from this action. Slash, wood chips, and/or straw mulch would be placed over them to reduce the risk of surface erosion and to protect water quality. This would occur prior to seasonal winter rains. Slash would not exceed a depth of 18 inches.
- (7) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall ensure that silt fencing or other sediment control measures are properly placed and maintained during use and periods of non-use when utilizing existing landings that have the potential to release eroded fines into a stream or wet area, directly or via draws or ditchlines.
- (8) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate temporary routes, landings, corridors, skid trails and other areas of exposed soils by properly installing and/or using water bars, berms, sediment basins, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff and divert runoff water away from headwalls, slide areas, high landslide hazard locations or steep erodible fill slopes as directed by the Authorized Officer.
- (9) E-1 In addition to the requirement set forth in Section 26 of this contract, the Purchaser shall as directed by the Authorized Officer rehabilitate all temporary routes, skid trails, and all landings outside of the road prism by one of the following methods:
 - (a) If the Authorized Officer deems ripping will not cause unacceptable damage to the root systems of residual trees the Purchaser shall discontinuously subsoil with winged ripper teeth, simultaneously water bar, seed, mulch, and barricade.
 - 1. Use a minimum 200 flywheel horsepower tractor with mounted rippers having shanks and teeth consistent with drawings and specifications shown on Exhibit R of this contract, which, is attached hereto and made a part hereof.
 - 2. Rip to a depth of eighteen (18) inches, and no further than thirty six (36) inches apart.
 - 3. Ripping will occur before October 15 of the year of harvest.
 - 4. Any step landings shall be re-contoured following use.

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- (b) If the Authorized Officer deems ripping will cause an unacceptable amount of damage to the root systems of residual trees the Purchaser shall scarify to a depth of up to six (6) inches and simultaneously water bar, seed, mulch, and barricade.

All rehabilitation shall occur within twenty four (24) months of harvest and during the dry season.

- (10) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall place material removed during excavation in locations where it cannot enter streams or other water bodies.
- (11) E-2 The water bars to be constructed as required by Sec. 26(c) shall be constructed in accordance with the specifications shown on Exhibit C-6 (pg2), which is attached hereto and made a part hereof.
- (12) E-4 The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:
 - (a) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or reinitiation of consultation is required concerning the species prior to continuing operation, or;
 - (b) when, in order to comply with the Endangered Species Act the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
 - (c) federal proposed, federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
 - (d) other active raptor nests have been discovered, and a determination is made that continued operations under this contract would adversely affect the present use of the discovered nesting area by the raptor, or;
 - (e) when, in order to comply with a court order which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;
 - (f) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;

ROCKSTAR SALVAGE SPECIAL PROVISIONS

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

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

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

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the First Installment held on deposit may be temporarily reduced upon the written request of the Purchaser. For the period of suspension extending beyond 30 days, the First Installment on deposit may be reduced to five (5) percent of the First Installment amount listed in Section 3.a. 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.a. of the contract within 15 days after the bill for collection is issued, subject to Section 3.g. 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

ROCKSTAR SALVAGE SPECIAL PROVISIONS

Purchaser may choose to pay this reimbursement at once or in installments payable at the same time as payments are due for the timber under the contract and in amounts approximately equal to the expenses associated with the timber for which payment is due.

In the event that a Court-ordered injunction results in a suspension period in which the Purchaser loses operating time of 30 calendar days or more between January 1 and December 31 during the contract period, the Contracting Officer shall unilaterally modify the contract based on reappraisal of the remaining volume as of the date that the suspension is lifted. 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.

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

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

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

ROCKSTAR SALVAGE SPECIAL PROVISIONS

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.

- (13) E-6 The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year if operations are expected to take place on the contract area as limited in Section 42(B)(18)(L-18a) of the contract, between March 1 and September 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, felling, bucking, yarding, road construction, or any other activity with the potential to disturb nesting northern spotted owls may not be allowed during this time period.

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

(E) **Miscellaneous**

- (1) M-2 The Government at its option may check scale any portion of the timber removed from the contract area. The Purchaser hereby agrees to make such contract timber available for scaling at a location designated by the Authorized Officer. In the event that BLM elects to check scale and if such check scaling causes a delay in log transportation time, an adjustment will be made to the purchase price as follows. If the entire sale is check scaled, the purchase price of this contract shall be reduced by nine thousand fifty four 75/100 dollars (\$9,054.75). In the event that only a portion of the contract timber is scaled, the purchase price shall be reduced by that portion of nine thousand fifty four 75/100 dollars (\$9,054.75), which is equal to the percentage of timber sold which was actually scaled by the Government. For purposes of computing this price reduction, the percentage of timber sold which has been scaled shall be determined by the Government. Any reduction in purchase price under the terms of this provision shall be full compensation to the Purchaser for any expense or

ROCKSTAR SALVAGE SPECIAL PROVISIONS

loss incurred as a result of such scaling.

(F) Fire Prevention and Control

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

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

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

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

The box shall have a hinged lid and a hasp by which the lid can be sealed. One box may serve two landings not over six hundred (600) feet apart. When filled, the box shall not weigh over two hundred (200) pounds. The fire tools shall be in good condition, be tight on strong handles, and have sharp cutting edges. There shall not be less than four (4) tools in each box nor less than one (1) tool for each person working on the contract area. Three-fourths ($\frac{3}{4}$) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.

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

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

ROCKSTAR SALVAGE SPECIAL PROVISIONS

made available for immediate use.

4. F-2d Serviceable radio or radio-telephone equipment able to provide prompt and reliable communication between the contract area, the Medford BLM District Office, and Oregon Department of Forestry. 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 at all times be immediately available to the operator when the saw is being fueled or the motor of the saw is running. A size "0" or larger shovel shall be available with each gas can when refueling. Any fueling of a power saw shall be done in an area which has first been cleared of all flammable material. Power saws shall be moved at least twenty (20) feet from the place of fueling before the engine is started. Each power saw shall be equipped with an exhaust system and a spark arresting device which are of types approved by the Oregon State Forester.
9. F-5 Where blocks and cables are used on the contract area during periods of fire danger, the Purchaser shall remove all flammable material at least ten (10) feet from the place where the tail or any other block will hang when the cable is tight. Such clearings shall be inspected periodically by the Purchaser and shall be kept free of

ROCKSTAR SALVAGE SPECIAL PROVISIONS

flammable material.

(G) Slash Disposal and Site Preparation

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

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

- (a) SD-1a LOP AND SCATTER Lop and scatter all slash located in all units as directed by the Authorized Officer. Slash will be scattered on yarding corridors, and where possible throughout the unit, on landings, and on temporary roads. All cut slash (any material less than six inches in diameter) shall be lopped to no more than four (4) feet in length and all top and side branches must be free of the central stem so that slash is reduced to the extent that it is within eighteen (18) inches of the ground at all points. All slash shall be arranged in a discontinuous pattern across the forest floor.
- (b) SD-1c HAND PILING Hand pile and cover all slash located within one hundred (100) feet along roads in Units 1, 2, 5, 6, 8, 9, 10, and 11 as directed by the Authorized Officer in accordance with the following specifications:
1. Piling shall be accomplished by hand. Finished piles shall be tight and free of earth.
 2. Pile all slash which is between one (1) inch and six (6) inches in diameter on the large end and exceeds two (2) feet in length.
 3. Piles shall be placed within unit boundaries, however, outside of wildlife buffers, roadways, turnouts, shoulders, or cut banks. No piles shall be placed on down logs or stumps. No piles shall be placed adjacent to or within twenty five (25) feet of harvest unit

ROCKSTAR SALVAGE SPECIAL PROVISIONS

boundaries. **In unit 1, no piles shall be placed within twenty five (25) feet of the mining ditch as shown on Exhibit G.** Finished piles shall be tight and free of earth.

4. A five (5) foot by five (5) foot cover of four (4) millimeter black plastic shall cap each handpile to maintain a dry ignition point. The cover shall be firmly fixed to the pile to hold it in place. Approximately one third ($\frac{1}{3}$) of the pile shall lie above this plastic cover. The ignition point will consist of fine fuel material such as needles, small limbs, and branches less than one half ($\frac{1}{2}$) inch in diameter and free of dirt. Piles shall be constructed by aligning individual pieces in the same direction and placing the heavier slash on top. Piles shall have a stable base to prevent toppling. The long axis of individual pieces shall be oriented up and down the slope. Protruding pieces shall be trimmed to allow covering in a manner that permits the pile to shed water. Height shall be no less than five (5) feet and no greater than eight (8) feet; width shall be no less than six (6) feet and shall not exceed eight (8) feet; piles shall be circular and not windrowed. No pile shall be located in any stream channel; on down logs or stumps; within ten (10) feet of any other pile or the trunk of the nearest living reserve tree. No portion of the pile will be under the crown of any living tree.
- (c) SD-1d Operations required by this provision shall be kept current with yarding as directed by the Authorized Officer and shall be conducted as follows:
1. Units shall be piled and covered during the same season that they are logged.
 2. Landing piles and handpiles located on temporary routes, skid trails, or landings would be burned, chipped, or otherwise removed from these sites within eighteen (18) months of unit harvest completion.
- (d) SD-1e LANDING SLASH Pile all slash located within twenty (20) feet on each side of harvest unit landings. Clear down to mineral soil within twenty (20) feet of each finished pile. Slash shall be piled by machine equipped with a hydraulic thumb or a rotating controllable grapple head or by hand and piles shall be located in tractor skid trails, cable yarding corridor chutes, or on landings located away from reserve trees, snags, and coarse woody debris. Finished piles shall be tight and free of earth.
1. A ten (10) foot by ten (10) foot cover of four (4) millimeter 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.

ROCKSTAR SALVAGE SPECIAL PROVISIONS

2. To minimize scorch and mortality, landing piles would not be placed adjacent to or within 15 feet of leave trees.
- (e) SD-1f SITE PREPARATION Prepare cleared planting areas in Harvest Unit 8 as shown on Exhibit A. Upon completion of yarding in each salvage unit, the areas to be treated will be designated by the Authorized Officer. Clearing shall be performed manually and with a chainsaw meeting specifications as follows:
1. Spacing of planting areas shall be on an average of twelve (12) feet by twelve (12) feet but not closer than six (6) feet.
 2. Planting areas shall be cleared of all slash within four (4) feet by four (4) feet circular diameter and removed.
 3. All live and dead hardwoods, brush, and woody vegetation twelve (12) inches in height or taller shall be cut at a point no higher than six (6) inches from the ground. All cut material shall be cleared from the planting area.
 4. Slash treatment shall be completed within four (4) months of completion of yarding on each specified salvage unit.
- (f) SD-4a SLASHING DAMAGED RESIDUALS Slash all sprung or otherwise severely damaged trees between one (1) inch and eight (8) inches D.B.H.O.B. concurrently with logging as directed by the Authorized Officer in all harvest units as shown on Exhibit A.
- (2) SD-2 Notwithstanding the provisions of Sec. 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by Purchaser's operations on Government lands, except for burning and mop-up assistance as required herein. In accordance with written instructions to be issued by the Authorized Officer at least ten (10) days in advance of earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or designated representative, assist in preparing units for burning, mop-up, and patrol by furnishing, at the Purchaser's own expense, the services of personnel and equipment on each unit as shown below.
- (a) Burn and mop-up piled units and landings as shown on Exhibit A in accordance with Section 42(G)(2) and 42(G)(3).
1. Prescribed fire plans shall be prepared for burning activities to ensure that resource and fire management objectives are met by setting parameters under which the burning may take place. Prescribed burning within the harvest units shall be conducted in a

ROCKSTAR SALVAGE SPECIAL PROVISIONS

manner that will minimize damage to reserve trees, duff and soil, and to avoid loss of large, coarse woody debris and will be consistent with ecosystem management objectives. The Purchaser shall burn ninety (90) percent of piles for satisfactory completion of treatment, as directed by the Authorized Officer.

2. Piles shall be burned in the fall to spring season after one or more inches of precipitation has occurred to reduce the potential for fire spread and scorch and mortality to the residual trees and shrubs. Patrol and mop-up of burning piles shall occur when needed to prevent treated areas from re-burning or becoming and escaped fire. The timing of prescribed burns depends on these parameters and the availability of adequate fire suppression resources as a contingency plan in the event of escaped fire.
3. For Igniting and Burning Piles on Units 1, 2, 5, 6, 8, 9, 10, 11 and All Landing Piles as described by the Authorized Officer:
 - a. One (1) person to supervise crew(s) and equipment operators, and to serve as Purchaser's representative.
 - b. One (1) crew with ten (10) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, ten (10) drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
 - c. All crews shall arrive on the project area with radios capable of inter-crew communications and communication with a BLM representative at a ratio of one (1) radio per every five (5) crew members.
 - d. All ignition personnel will be directly supervised by a BLM representative.
4. For Mop-up of Piles on Units 1, 2, 5, 6, 8, 9, 10, 11, and All Landing Piles as described by the Authorized Officer:
 - a. One (1) person to supervise crew(s) and equipment operators, and to serve as Purchaser's representative.
 - b. One (1) crew with ten (10) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, ten (10) drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.

ROCKSTAR SALVAGE SPECIAL PROVISIONS

- c. All crews shall arrive on the project area with radios capable of inter-crew communications and communication with a BLM representative at a ratio of one (1) radio per every five (5) crew members.
- d. All ignition personnel will be directly supervised by a BLM representative.

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

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

Except as provided hereafter for fire escapement, the Purchaser shall continue the required assistance in mop-up on each unit to be burned as shown on Exhibit A as required in Section 42(G) for four hundred fifty (450) work hours for each piled unit and piled landing as directed by the Authorized Officer within a ten (10) day period for each piled unit and piled landing beginning 8:00 a.m. the day following completion of ignition in that unit or until released from such services by the Authorized Officer, whichever occurs first.

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

In situations where an escaped fire is controlled and contained by an adequate fire

ROCKSTAR SALVAGE SPECIAL PROVISIONS

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

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

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

- (3) SD-5 Perform logging residue reduction and site preparation work on approximately five hundred fifty two (552) acres of harvest area located in Harvest Unit No.(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13 as shown on Exhibit A, and all Landing Piles 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
Site Preparation	Cut planting holes in slash	\$225.00
Lop and Scatter L2	13-20 tons/acre	\$60.00
Handpile and Cover L2	21-40 piles/acre	\$370.00
Hand pile burn and Mop-up L2	21-40 piles/acre	\$40.00
Cover and Burn Landing Decks	< 20 piles/acre	\$70.00

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

ROCKSTAR SALVAGE SPECIAL PROVISIONS

Appraised Treatment	Acres	Cost/Acre	Total Cost Per Treatment
Site Preparation	13	\$225.00	\$2,925.00
Lop and Scatter L2	359	\$60.00	\$21,540.00
Hand pile and Cover L2	56	\$370.00	\$20,720.00
Hand pile burn and Mop-up L2	56	\$40.00	\$2,240.00
Cover and Burn Landing Decks	34	\$70.00	\$2,380.00
Total Appraised Cost			\$49,805.00

- (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 42(G)(3)(a) differs from \$49,805.00 as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 42(G)(3)(a).

Seasonal Restriction Matrix

Rockstar Salvage Timber Sale

ORM07-TS14-12

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

Dry Condition Haul = Loading and hauling would not occur on all hydrologically connected roads when water is flowing in the ditches or during any conditions that would result in any of the following; surface displacement such as rutting or ribbons; continuous mud splash or tire slide; fines being pumped through road surfacing from the subgrade and resulting in a layer of surface sludge; road drainage causing a visible increase in stream turbidities, or any condition that would result in water being chronically routed into tire tracks or away from designed road drainage during precipitation events. Hauling on natural surface or rocked roads would not resume for a minimum of 48 hours following any storm event that results in 1/2 inch or more precipitation within a 24 hour period, and until road surface is sufficiently dry to prevent any of the above conditions from reoccurring.

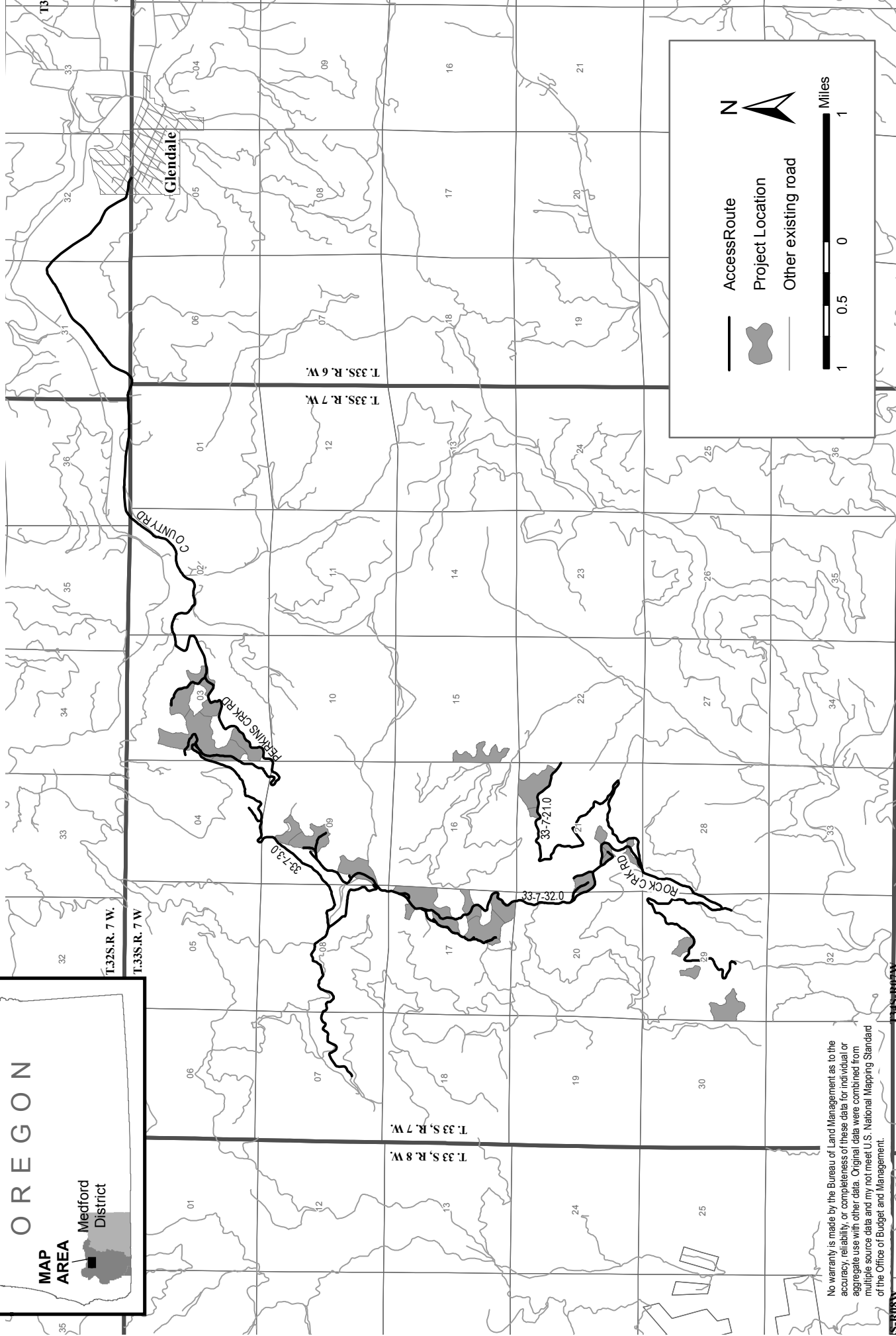
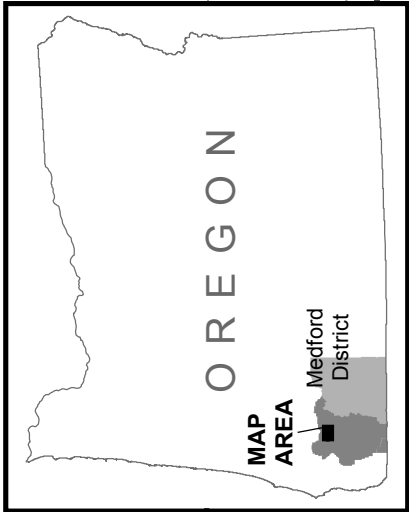
Dry Condition Yarding and Temporary Route Work—Tractor and one-end suspension cable yarding, temporary route work, and rehabilitation activities would not occur when soil moisture at a depth of 4-6 inches is wet enough to maintain form when compressed, or when soil moisture at the surface would readily displace, causing ribbons and ruts along equipment tracks. These conditions are generally found when soil moisture is 30% at a depth of 4-10 inches.

[illegible][illegible][illegible]

Rd. (part)	
Cable Yard on Slopes > 70%: Units 5 (part)	Manual Felling and Bucking
	Cable Yarding
	Mechanical Ground Based Harvesting and Yarding
	Loading, Hauling, and Road Construction, Reconstruction, Decommissioning & Maintenance*
Talus, Owl Seasonal Restrictions & Cable Yard on Slopes > 70%: Unit 1 (parts)	Manual Felling and Bucking
	Cable Yarding
	Helicopter Yarding
	Mechanical Ground Based Harvesting and Yarding
	Loading, Hauling, and Road Construction, Reconstruction, Decommissioning & Maintenance*

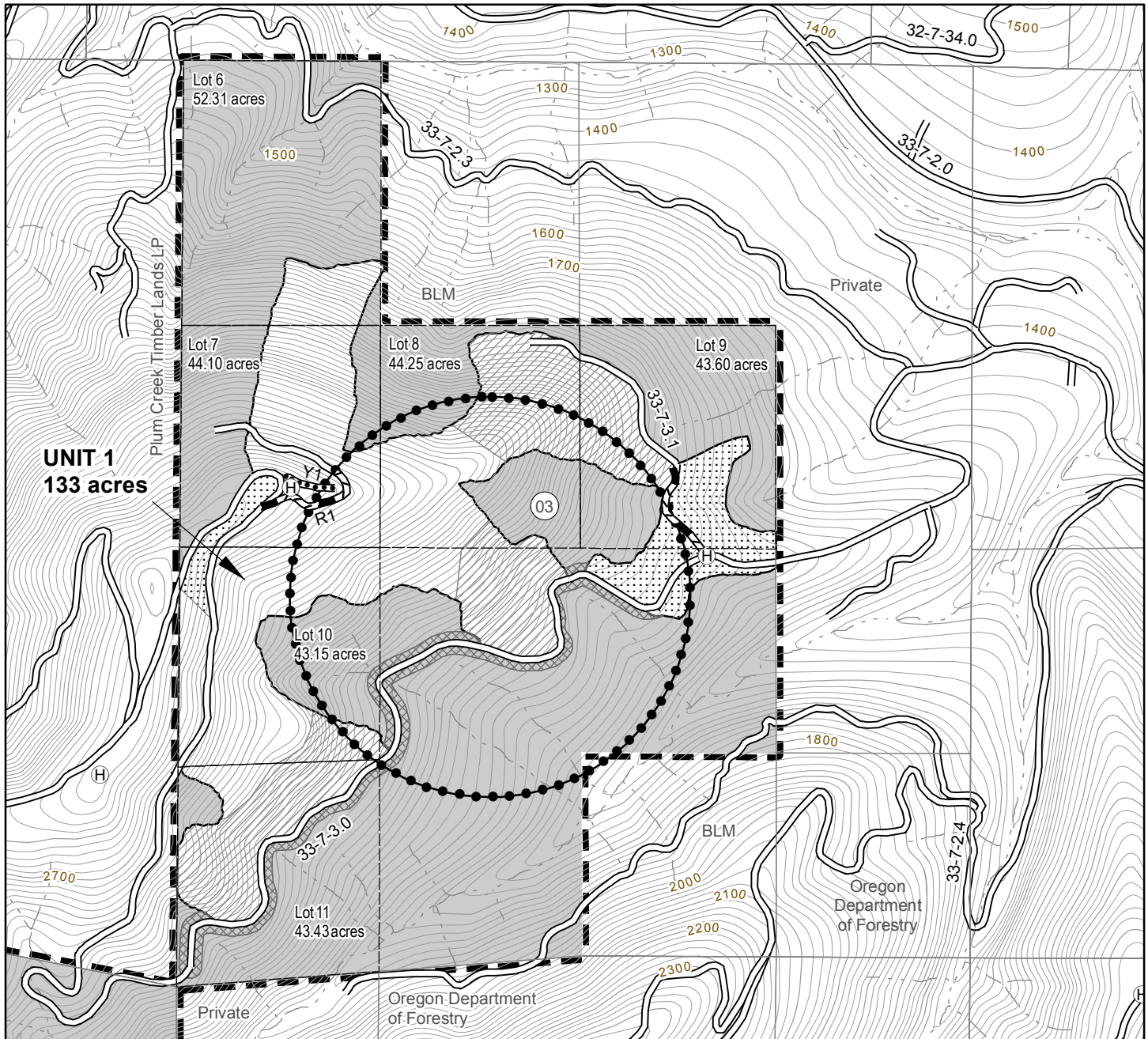
United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Medford District - Oregon

GENERAL VICINITY MAP

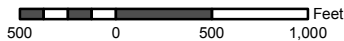


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were combined from multiple source data and may not meet U.S. National Mapping Standard of the Office of Budget and Management.

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302
T. 33S., R. 7W., Section 3, W.M. - MEDFORD - OREGON



Contour interval: 20ft.



Road to be renovated

Road to be constructed

Yarding Allowed in Reserve Area

Stream

Existing Roads

Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark - Aerial Yarding)

Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark)

Salvage Area - Aerial Yarding

Salvage Area - Ground-Based Yarding

Salvage Area - Skyline Yarding

Restricted Operating Area

Special Yarding Area (Yum Yarding)

Boundary - Cutting Area

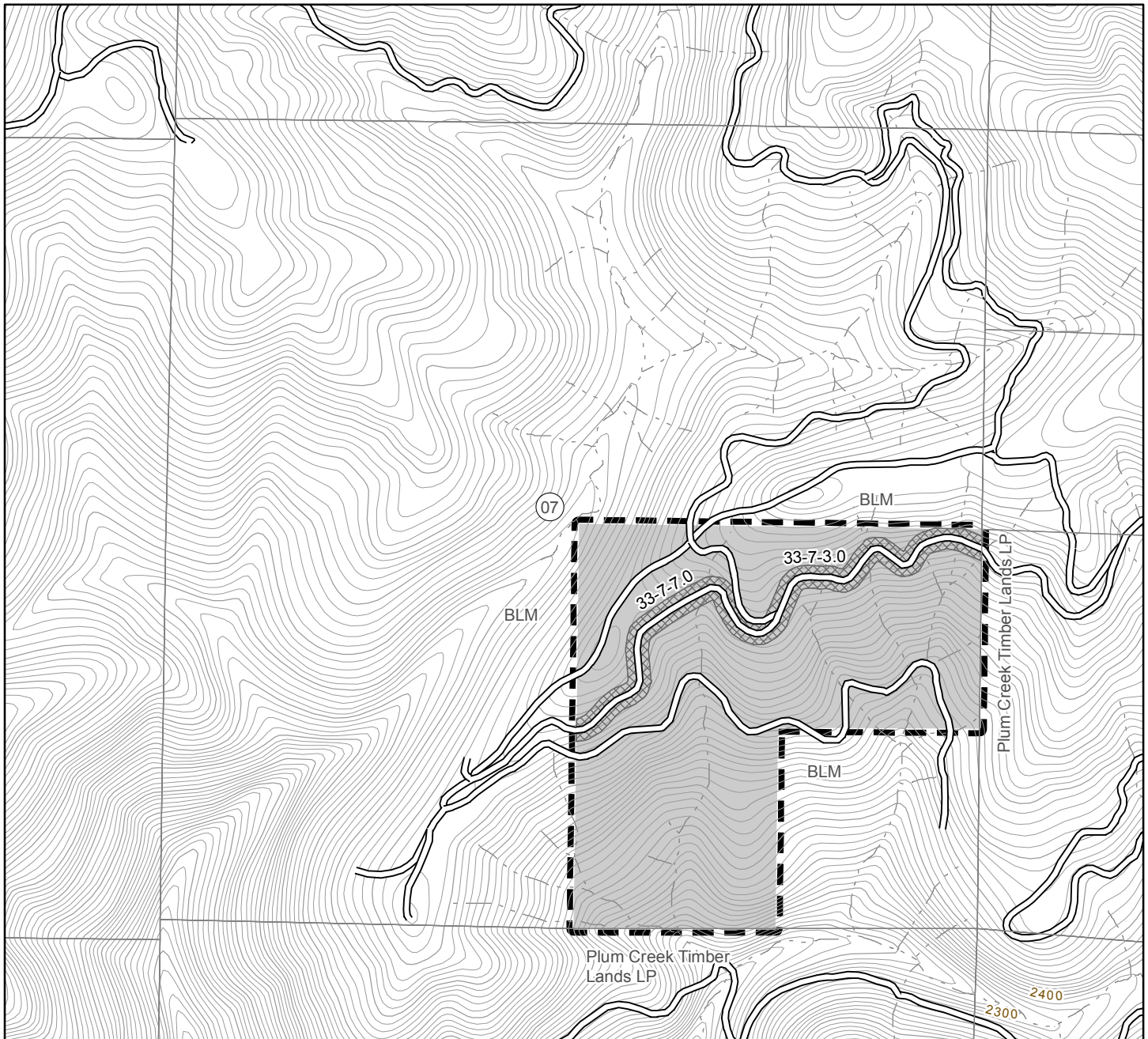
Boundary - Contract Area

Reserve Area

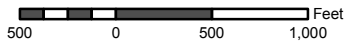
Helicopter Landing

Salvage Area	390.00 acres
Special Mark Area	19.00 acres
Special Yarding Area	36.00 acres
Right of Way Area	8.00 acres
Reserve Area	1777.84 acres
Total Contract Area	2230.84 acres

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302
T. 33S., R. 7W., Section 7 , W.M. - MEDFORD - OREGON



Contour interval: 20ft.



- Road to be renovated
- Road to be constructed
- Yarding Allowed in Reserve Area
- Stream
- Existing Roads

Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark - Aerial Yarding)

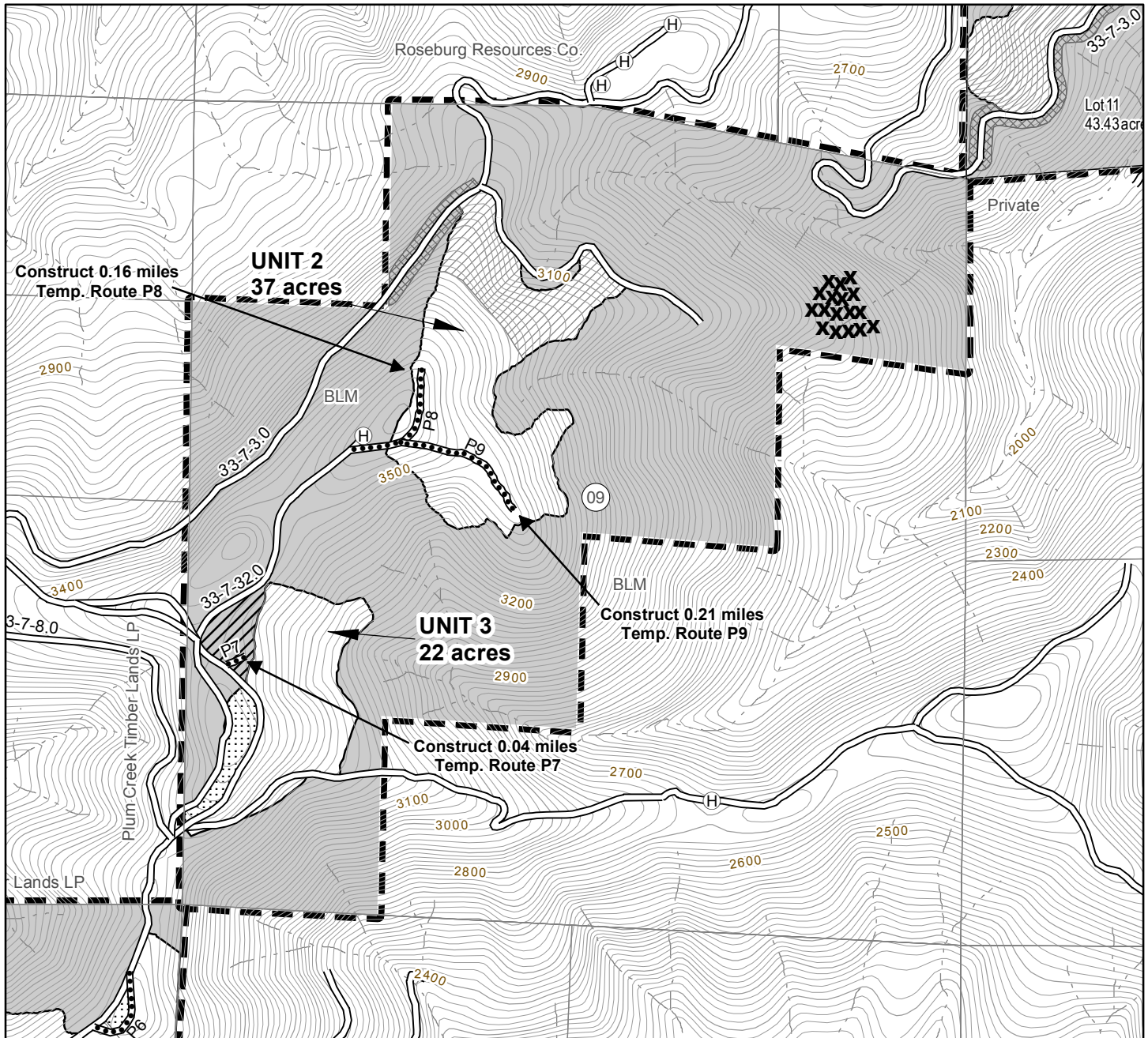
- Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark)
- Salvage Area - Aerial Yarding
- Salvage Area - Ground-Based Yarding
- Salvage Area - Skyline Yarding
- Restricted Operating Area
- Special Yarding Area (Yum Yarding)

- Boundary - Cutting Area
- Boundary - Contract Area
- Reserve Area

Salvage Area	390.00 acres
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TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302
T. 33S., R. 7W., Section 9, W.M. - MEDFORD - OREGON



Contour interval: 20ft.



- Road to be renovated
- Road to be constructed
- Yarding Allowed in Reserve Area
- Stream
- Existing Roads

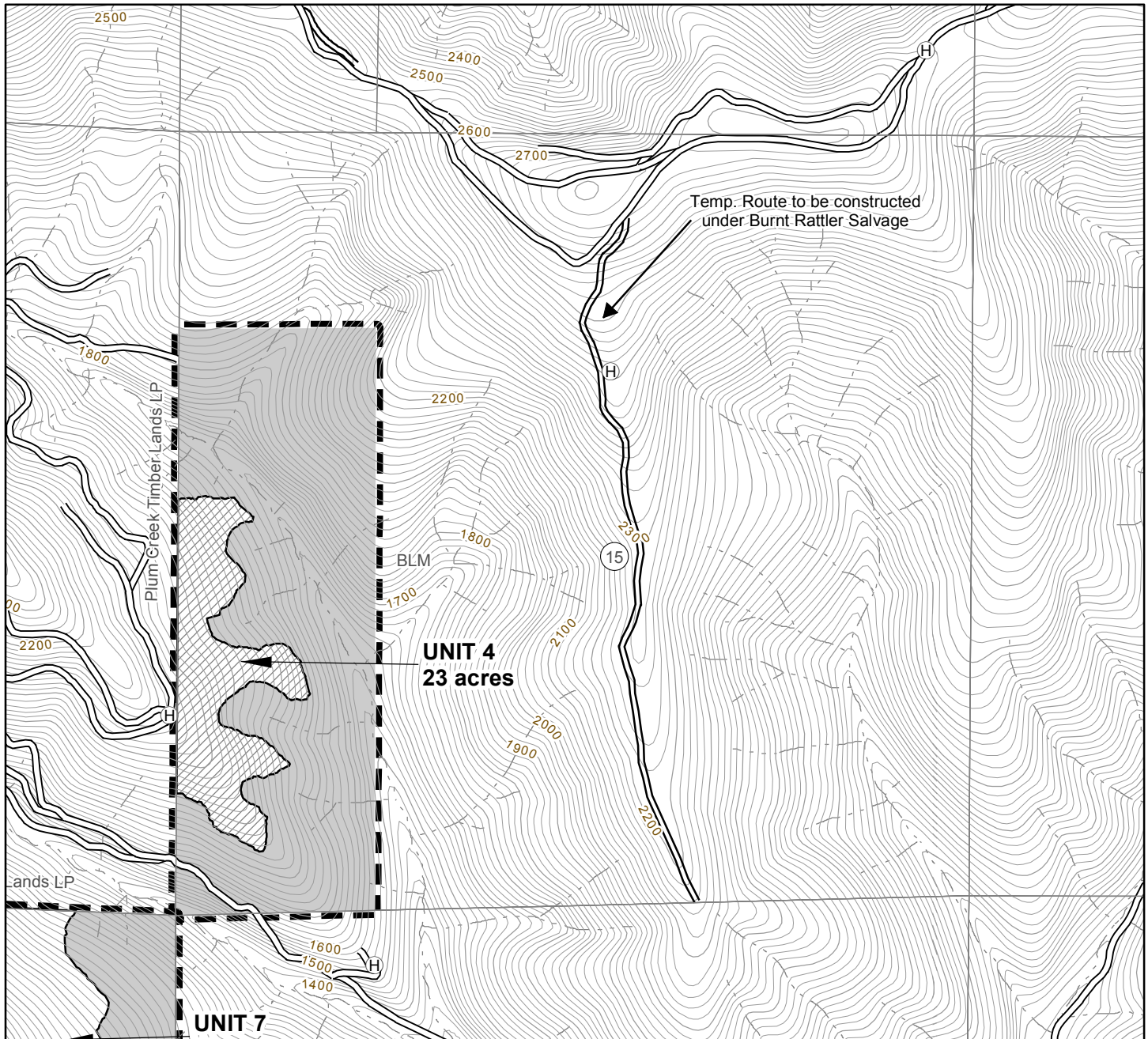
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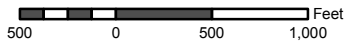
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- Boundary - Contract Area
- Reserve Area
- Helicopter Landing

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TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302
T. 33S., R. 7W., Section 15 , W.M. - MEDFORD - OREGON



Contour interval: 20ft.



- Road to be renovated
- Road to be constructed
- Yarding Allowed in Reserve Area
- Stream
- Existing Roads

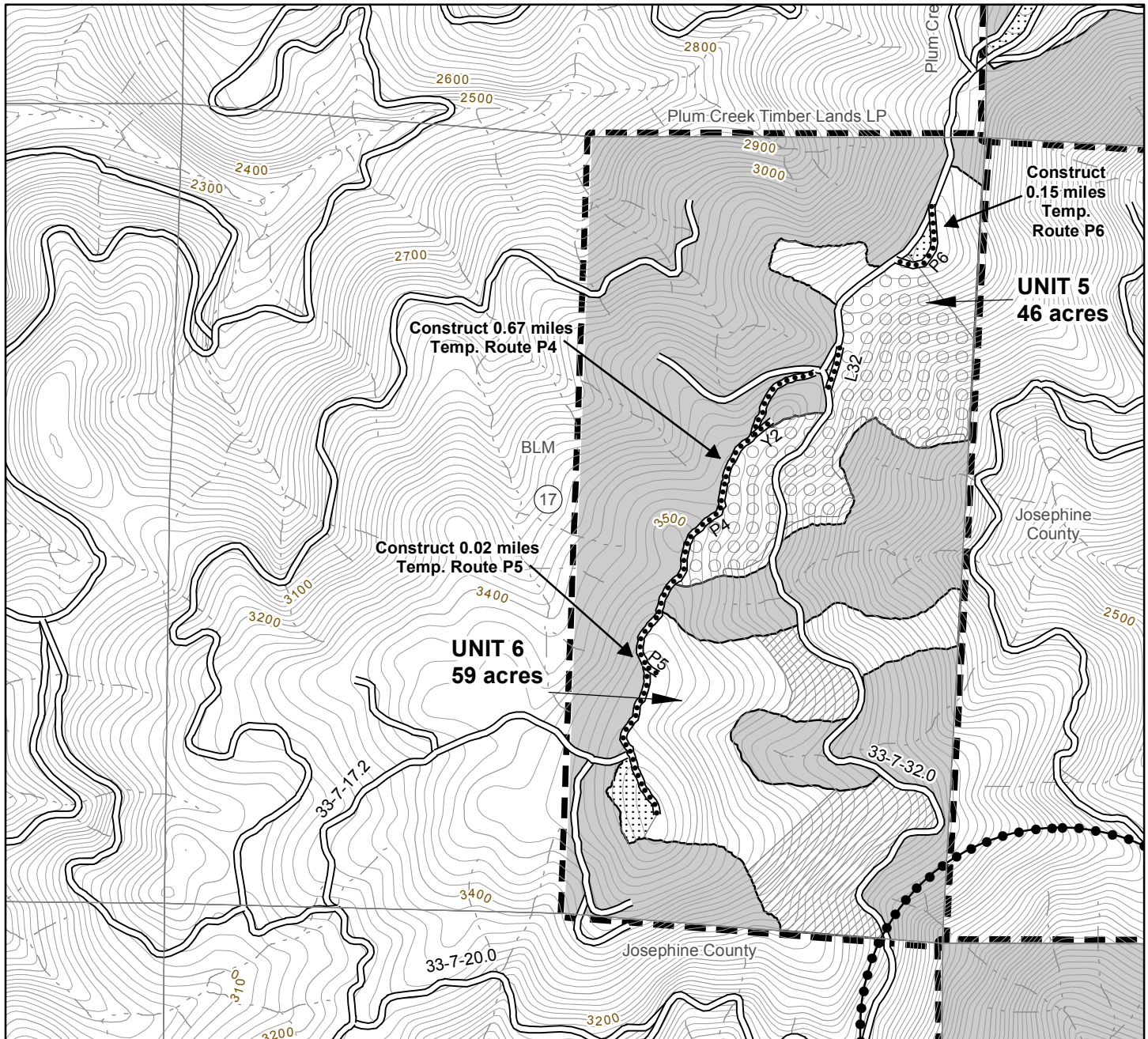
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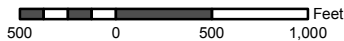
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Total Contract Area	2230.84 acres

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302
T. 33S., R. 7W., Section 17, W.M. - MEDFORD - OREGON



Contour interval: 20ft.



Road to be renovated

Road to be constructed

Yarding Allowed in Reserve Area

Stream

Existing Roads

Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark - Aerial Yarding)

Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark)

Salvage Area - Aerial Yarding

Salvage Area - Ground-Based Yarding

Salvage Area - Skyline Yarding

Restricted Operating Area

Special Yarding Area (Yum Yarding)

Boundary - Cutting Area

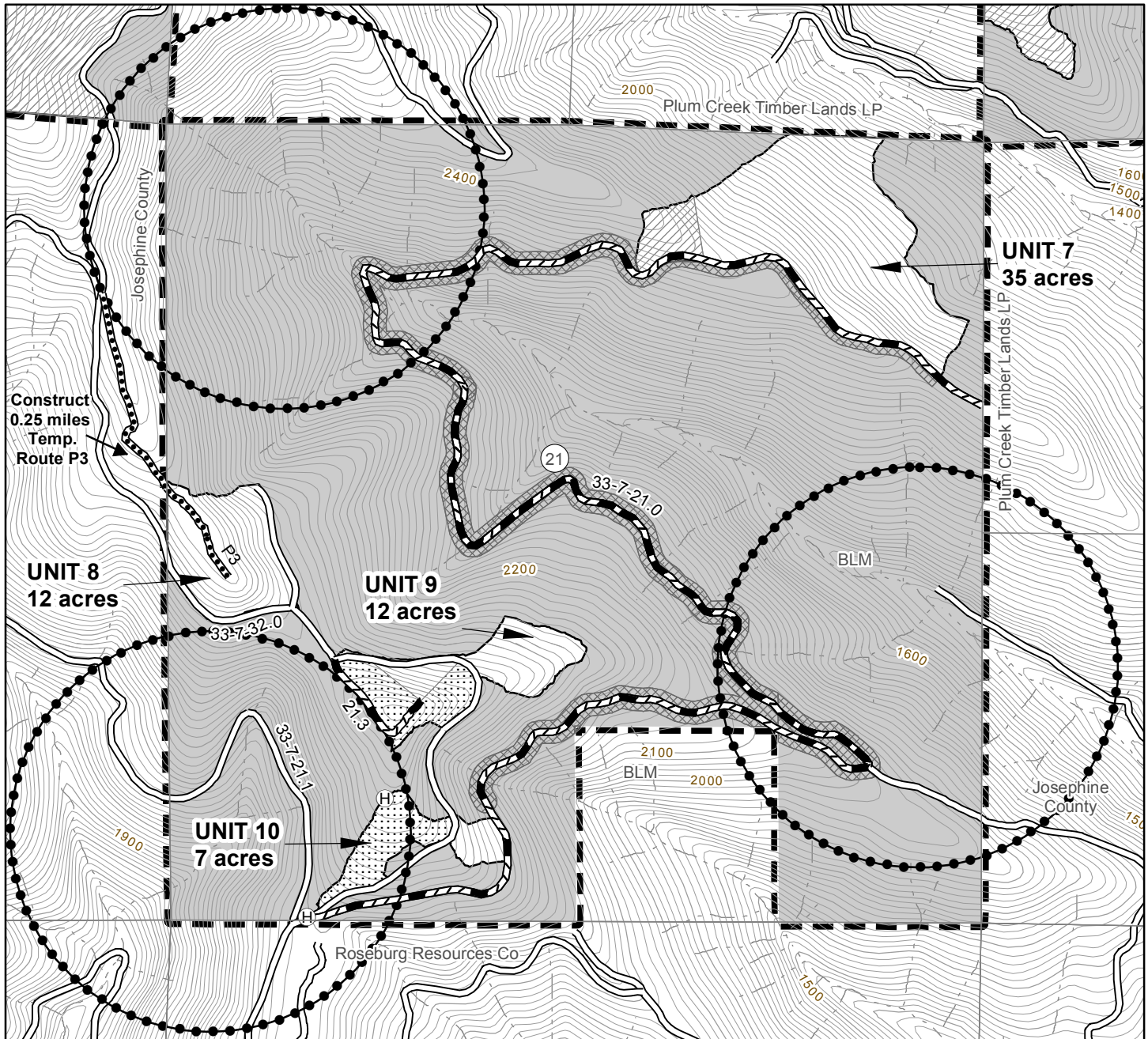
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Reserve Area

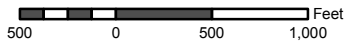
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TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302
T. 33S., R. 7W., Section 21, W.M. - MEDFORD - OREGON



Contour interval: 20ft.



- Road to be renovated
- Road to be constructed
- Yarding Allowed in Reserve Area
- Stream
- Existing Roads

Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark - Aerial Yarding)

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Rockstar Timber Sale
EXHIBIT A
Sheet 7 of 7

The map displays a topographic view of a region in Josephine County, Oregon, with contour lines indicating elevation. Four proposed units are outlined with dashed lines and labeled with their respective acreages:

- UNIT 10**: 7 acres, located in the upper right corner.
- UNIT 11**: 9 acres, located in the upper center.
- UNIT 12**: 6 acres, located in the center.
- UNIT 13**: 25 acres, located in the lower left.

Other features on the map include:

- BLM**: Bureau of Land Management, labeled in several locations.
- Private**: Labeled in the lower left corner.
- Plum Creek Timber and Lands LP**: Labeled in the lower right corner.
- Josephine County**: Labeled in the upper left and upper center.
- Contour Lines**: Various elevations are marked, including 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, and 2800.
- Shaded Areas**: Several areas are shaded with diagonal lines, possibly indicating specific land types or ownership.
- Boundary Lines**: A prominent dashed line runs across the map, likely representing a section or township boundary.
- Other Labels**: "33-7-32.0", "29.1", and "29.7" are visible near the bottom center, possibly indicating specific points or distances.

- | | | | | | | | |
|--|---|--|---|----------------------|--------------------------|--------------|--------------------|
| | Road to be renovated | | Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark) | | Boundary - Cutting Area | | |
| | Road to be constructed | | Salvage Area - Aerial Yarding | | Boundary - Contract Area | | |
| | Yarding Allowed in Reserve Area | | Salvage Area - Ground-Based Yarding | | Reserve Area | | Helicopter Landing |
| | Stream | | Salvage Area - Skyline Yarding | | | | |
| | Existing Roads | | Restricted Operating Area | | | | |
| | Approximate location in which trees are marked for cutting in the Reserve Area with blue paint
(Special Mark - Aerial Yarding) | | Special Yarding Area (Yum Yarding) | | | | |
| | | | | Salvage Area | | 390.00 acres | |
| | | | | Special Mark Area | | 19.00 acres | |
| | | | | Special Yarding Area | | 36.00 acres | |
| | | | | Right of Way Area | | 8.00 acres | |

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Salvage Area	390.00	acres
Special Mark Area	19.00	acres
Special Yarding Area	36.00	acres
Right of Way Area	8.00	acres
Reserve Area	1777.84	acres
Total Contract Area	2230.84	acres

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT (BLM)

Contract No.: ORM07-TS-14-12
Sale Name: Rockstar
Issuing Office: Medford District

EXHIBIT B
SCALE SALE

PURCHASE PRICE SCHEDULE AND MEASUREMENT SPECIFICATIONS

I. **Total Actual Purchase Price** - In accordance with Section 3.(d). of the contract, the Purchaser agrees to pay the Government for the timber sold under the contract in accordance with the following schedule and measurement requirements. Timber sold is comprised of Merchantable Timber, Merchantable Timber Remaining, and Other Timber as defined below. In the event an Extension of Time is approved, the prices per measurement unit are subject to readjustment (refer to Section 9 of the contract).

Schedule of Species, Measurement Units, and Prices		
Species	Measurement Unit	Price Per Measurement Unit
Merchantable logs - Douglas-fir	MBF	
Ponderosa Pine	MBF	
Sugar Pine	MBF	
Incense Cedar	MBF	
Utility logs	MBF	Not Applicable

II. **Merchantable Timber** - All timber which can be cut into logs, which equal or exceed the following specifications, shall be considered merchantable timber. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

Schedule of Minimum Material Specifications			
Species and Products	Length	Diameter (inside bark at small end)	Net Scale
All Species	8 feet	6 inches	33 1/3% of gross volume of any log segment or 10 bf.

III. **Merchantable Timber Remaining - Measurement Requirements** - The remaining volume of any merchantable sold timber on the contract area shall be determined as provided in Section 3.(e). of the contract. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

IV. **Scaling**

A. **Log Rule and Measurement** - All logs shall be scaled according to the Northwest Log Rules Eastside Log Scaling Handbook, as amended, or

supplemented by BLM before the first advertisement date of the sale. A Scaling Authorization Form (OR 5300-18) must be completed prior to beginning of operations. If sample log scaling is agreeable to Purchaser and the Contracting Officer, the procedures will be agreed upon in writing regarding sample design, number of log sorts, expansion of sample volumes for computation of Merchantable Timber volume, etc.

B. Scaling Service - Log scaling services shall be provided and performed by BLM personnel or parties under contract to BLM.

1. All logs shall be scaled and volumes determined by BLM or a certified contract scaler.

2. The BLM scaler or contract scaler is designated to collect Eastside MBF scale data from all loads.

C. Other Timber - If any timber is of a species or size not listed in Section II of this Exhibit (above) or is of a quality different from merchantable timber described herein, the Authorized Officer shall establish volumes and values in accord with Standard BLM methods.

D. Defect Caused by Abnormal Delay - Scaling deductions made for rot, check or other defect resulting from abnormal delay in scaling caused by Purchaser shall be recorded separately and charged to the Purchaser in accordance with Section 3. of the contract.

E. Log Presentation - Purchaser shall present logs so that they may be scaled in an economical and safe manner in accordance with the Memorandum(s) of Agreement for Yard Scaling required in Section IV.G.5. of this Exhibit.

F. Check Scale - The Government will conduct check scales as set forth in the following section.

Normally a check scale includes at least 200 short logs (20 feet or less) or at least 100 multiple-segment logs. Sample the species and defect situation as fairly as possible. Individually analyze more complex scaling situations and increase the number of logs check scaled if necessary.

The following standards will be used to determine the proficiency of individual scalers.

Gross Scale. A variance of one percent in gross scale is the standard unless otherwise justified.

Net scale. The allowable variance is as follows:

Check scaler's percent defect in logs	Scalers allowable variance
0-10 percent	2 percent
over 10 percent	.2 x percent defect to a maximum of 5 percent

Determinations as to volume of timber made by a government check scaler in conformance with the standards as set forth herein shall be final. All loads check scaled by BLM will be identified with the check scaler's initials legibly marked or painted in the face of the first log in each load. When such checks show a variance in scale in excess of acceptable standards, in two or more consecutive check scales, an adjustment to the volume reported as scaled will be made by BLM. Such adjustments will be made based on the difference between available BLM check scales and the original scale during the period covered by the unsatisfactory check scales. Unless otherwise approved in writing by the Authorized Officer, the volume to which this difference will be applied will be 50 percent of the volume scaled between the last satisfactory check and the first unsatisfactory check, 100 percent of the volume scaled during the unsatisfactory check, and 50 percent of the volume between the last unsatisfactory check scale and the next satisfactory check scale.

G. Accountability

1. Purchaser shall notify the Authorized Officer three (3) days prior to starting or stopping of hauling operations performed under the contract.
2. All logs will be painted and branded at the landing and accounted for in accordance with Sec. 41(A)(1) of the contract. Each truck driver shall obtain a load receipt and a BLM scaler receipt from the Log Truck Ticket Book issued by the Authorized Officer and comply with the instructions specified on the cover of said book. While products are in transit, the truck driver shall display the load receipt and BLM scaler receipt on the bunk or wing log at the front of the load on the driver's side. All logs on each load shall be delivered to the destination listed on the woods receipt. The BLM scaler receipt shall be surrendered at the location of BLM scaling, the unloading location, or as requested by BLM.
3. The Purchaser shall not haul logs from the contract area on weekends; Memorial Day, Fourth of July, Labor Day, Thanksgiving, Christmas, and New Year's holidays; or outside the hours of 4:00 a.m. to 8:00 p.m. daily, unless otherwise approved in writing by the Authorized Officer or designated in the Approved Logging Plan (Refer to Section 41 (B.10) of the contract).
4. The Purchaser shall furnish BLM a map showing the route which shall be used to haul logs from the timber sale area to the scaling location. Such route shall be the most direct haul route between the two points, unless another route is approved by BLM. The route of haul may be changed only with advance notice to and approval by BLM. The haul route map shall be attached to the Approved Logging Plan.
5. All loads will be scaled at scale locations listed on the Scaling Authorization (Form OR 5300-18) as approved by the Authorized Officer. The Purchaser shall ensure that all scale site owners listed on the Scaling Authorization enter into a Memorandum of Agreement for Yard Scaling before requesting BLM approval of the Scaling Authorization. Areas for scaling BLM

logs will be designated on the ground and identified on the yard map as required in the Memorandum(s) of Agreement for Yard Scaling.

6. Any removal of logs from loaded trucks before being accounted for and/or scaled as required by the contract shall be considered a willful trespass and render the Purchaser liable for damages under applicable law. Any payment made for purchase of such logs shall be deducted from amount due because of trespass.

H. Scaling Lost Products - The value of lost loads shall be equal to the highest value load for the month in which the lost load is hauled regardless of where the highest value load is scaled. If no loads have been scaled in that month, value will be determined from the closest month in which loads were scaled.

V. Estimated Volumes and Values - The following volume estimates and calculations of value of timber sold are made solely as an administrative aid for determining payment amounts, when payments are due, the value of timber subject to any special bonding provisions, and other purposes specified in various portions of the contract. The cutting areas are shown on Exhibit A of the contract.

A. Merchantable Timber Volume Removed from Contract Area - The total volume of removed timber shall be determined using the Government's records of scaled volumes of timber skidded or yarded monthly, or a shorter period if agreed to by the Purchaser and Government, to loading points or removed from the contract area.

B. Merchantable Timber Not Yet Removed from Contract Area - The value of merchantable timber which has not been removed will be determined by multiplying the value per acre as shown below times the amount of acreage subject to the purpose of the value determination, as determined by the Authorized Officer:

Total Estimated Purchase Price And/Or Schedule of Volumes and Values for Merchantable Timber Not Yet Removed from Contract Area					
Cutting Area		Total Estimated Volume (MBF)		Total Estimated Purchase Price	
Cutting Area Number	Approximate Number of Acres	Volume per Acre	Total Volume	Value per Acre	Total Value
1	133	27.3	3,633		
2	37	27.3	1,011		
3	22	27.3	601		
4	46	27.3	1,256		
5	59	27.3	1,611		
6	23	27.3	628		
7	35	27.3	956		

8	12	27.3	328		
9	12	27.3	328		
10	7	27.3	191		
11	9	27.3	246		
12	6	27.3	164		
13	25	27.3	683		
Special Mark	19	15.6	297		
Right-of- Way	8	17.5	140		
Sale Totals	453	26.7	12,073		

OVERNIGHT LOAD CONTROL RECORD	
Log Delivery Location	
Timber Sale	
1	Time and Date Load Delivered
2	Sale Name
3	Load Receipt No.
4	Number of Logs
5	Signature of Person Receiving the Load
6	Date and Time Load Released
7	Signature of Person Releasing the Load

Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)

2. Contractor or BLM scaler will fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner will be required to sign.

3. Unless otherwise agreed, scaler will attach this form to the Load Receipt.

OVERNIGHT LOAD CONTROL RECORD	
Log Delivery Location	
Timber Sale	
1	Time and Date Load Delivered
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United States of America
Department of the Interior
Bureau Of Land Management
Timber Sale Appraisal

District : Medford
Sale Name : Rockstar
Sale Date : 07/24/2014
Appraisal Method : 16' MBF

Contract # : ORM07-TS-14-12
Job File # : M11302
Master Unit : Josephine
Planning Unit : Grants Pass

Contents

Exhibit B

2

Medford
Rockstar
ORM07-TS-14-12

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

Medford
Rockstar
ORM07-TS-14-12

Unit 11 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	207		
Incense-cedar	2		
Ponderosa Pine	21		
Sugar Pine	16		
Unit Totals	246		

Unit 12 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	138		
Incense-cedar	1		
Ponderosa Pine	14		
Sugar Pine	11		
Unit Totals	164		

Unit 13 25 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	577		
Incense-cedar	5		
Ponderosa Pine	58		
Sugar Pine	43		
Unit Totals	683		

Unit 2 37 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	853		
Incense-cedar	8		
Ponderosa Pine	86		
Sugar Pine	64		
Unit Totals	1,011		

Unit 3 22 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	507		
Incense-cedar	5		
Ponderosa Pine	52		
Sugar Pine	37		
Unit Totals	601		

Medford
Rockstar
ORM07-TS-14-12

Species	Net Volume	Bid Price	Species Value
Douglas-fir	530		
Incense-cedar	5		
Ponderosa Pine	54		
Sugar Pine	39		
Unit Totals	628		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	1,061		
Incense-cedar	10		
Ponderosa Pine	107		
Sugar Pine	78		
Unit Totals	1,256		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	1,361		
Incense-cedar	12		
Ponderosa Pine	138		
Sugar Pine	100		
Unit Totals	1,611		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	807		
Incense-cedar	7		
Ponderosa Pine	82		
Sugar Pine	60		
Unit Totals	956		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	277		
Incense-cedar	3		
Ponderosa Pine	28		
Sugar Pine	20		
Unit Totals	328		

Medford
Rockstar
ORM07-TS-14-12

Species	Net Volume	Bid Price	Species Value
Douglas-fir	277		
Incense-cedar	3		
Ponderosa Pine	28		
Sugar Pine	20		
Unit Totals	328		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	108		
Ponderosa Pine	32		
Unit Totals	140		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	217		
Ponderosa Pine	80		
Unit Totals	297		

U.S. DEPT. OF THE INTERIOR
Bureau of Land Management
MEDFORD DISTRICT – OREGON
TIMBER SALE CONTRACT

Road Specifications

Section	Sheet	Description
	1-2	Cover Sheet
100	3-6	General
150	7	Road Plan and Detail Sheet
200	8	Clearing and Grubbing
300	9-11	Excavation and Embankment
400	11-12	Pipe Culverts
500	12-13	Renovation of Existing Roads
	14-15	Renovation Worklist
600	15	Watering
1700	16	Erosion Control
1800	16-18	Soil Stabilization
2100	18-19	Roadside Brushing
2600	20-21	Road Decommissioning
	22	Roadside Brushing Detail
	23	Culvert Installation Types Detail
	24	Culvert Catch Basin Detail
	25	Decommissioning Detail – Road Blocking
	26	Decommissioning Detail – Waterbar and Culvert Removal
	Appendix C1	Plan and Profile Sheets – Road Design
	Appendix C2	Road Plan Maps

U.S. DEPT. OF THE INTERIOR
Bureau of Land Management
MEDFORD DISTRICT – OREGON
TIMBER SALE CONTRACT

Road Specifications

Road Number and Segment	Class SN-	Length (Stations and Miles)		
		New Construction	Improvement	Renovation
33-7-3.1	16			0.15
33-7-21.0	16			2.98
33-7-21.3	16			0.19
33-7-29.1	16			0.11
R1	16			0.16
R3	16	3+30		
L32		3+55		
Y1	14	3+95		
Y2	14	1+65		
P3	14	13+05		
P4	14	35+60		
P5	14	1+00		
P6	14	8+00		
P7	14	1+95		
P8	14	8+20		
P9	14	10+95		

GENERAL - 100

101 - Prewrite Conference(s):

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

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

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, pitrun rock, bank or river-run gravels, etc., to provide support and, in the event no surface course is placed, the running surface for traffic load.

BLM - Bureau of Land Management

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Spalls - Flakes or chips of stone.

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

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

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

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

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

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

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

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

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

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

102a - Tests Used in These Specifications:

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

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

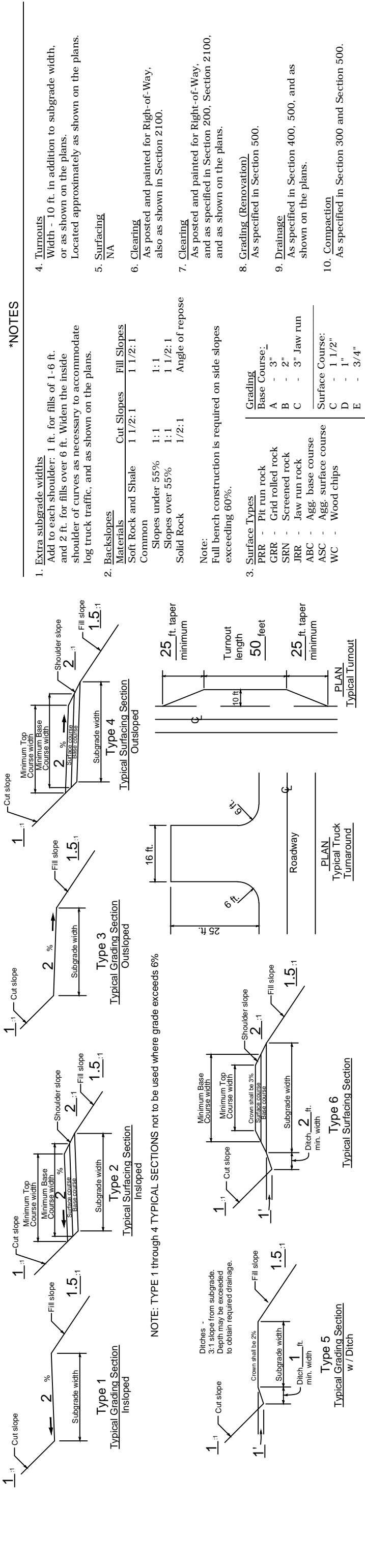
103 - Compaction equipment shall meet the following requirements:

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

ROAD NUMBER	STATION OR MILE POST	TO STATION OR MILE POST	LENGTH in feet or sta.	TYPICAL SECTION TYPE	ALIGNMENT	ROAD WIDTH (*1 & 4)		GRADIENT		CLEARING WIDTH			SURFACING (*5)								REMARKS				
						Minimum Radius of Curve	Subgrd.	Ditch	Maximum Favorable	Maximum Adverse	Beyond			Existing roads			BASE COURSE					SURFACE COURSE			
					Top Cut						Toe Fill	R	L	R	Minimum Width	Comp. Depth	Surface Type (*3)	Grading Size (*3)	No. of Lifts	Minimum Width		Comp. Depth	Surface Type (*3)	Grading Size (*3)	No. of Lifts
33-7-3.1	0.00	0.15	0.15	6			16	2			0	0	(*6)	(*6)	-	-	-	-	-	-	-	-	-	-	
33-7-7.0	0.00	0.40	0.40	6			16	2			0	0	(*6)	(*6)	-	-	-	-	-	-	-	-	-	-	
33-7-21.0	0.00	2.98	2.98	6			16	2			0	0	(*6)	(*6)	-	-	-	-	-	-	-	-	-	-	
33-7-21.3	0.00	0.08	0.08	6			16	2			0	0	(*6)	(*6)	-	-	-	-	-	-	-	-	-	-	
33-7-21.3	0.08	0.19	0.19	5			16	1			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
33-7-29.1	0.00	0.11	0.11	6			16	2			0	0	(*6)	(*6)	-	-	-	-	-	-	-	-	-	-	Construct 100' x 200' heli landing at end
R1	0.00	0.16	0.16	4			16	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
R3	0+00	3+30	3+30	3			14	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	Construct 100' x 130' heli landing at end
L32	0+00	3+55	3+55	3			varies	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	Landing, roadside, on Rd #33-7-32.0
Y1	0+00	3+95	3+95	5			14	1			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
Y2	0+00	1+65	1+65	3			14	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
P3	0+00	13+05	13+05	3			14	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
P4	0+00	35+60	35+60	5			14	1			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
P5	0+00	1+00	1+00	3			14	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
P6	0+00	8+00	8+00	3			14	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
P7	0+00	1+95	1+95	3			14	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
P8	0+00	4+00	4+00	3			14	0			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
P8	4+00	8+20	4+20	5			14	1			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	
P9	0+00	10+95	10+95	5			14	1			(*7)	(*7)			-	-	-	-	-	-	-	-	-	-	Install 2 temporary polypipes
Note: Maintenance rock in the amount of 0 cy will also be furnished, placed and processed throughout the life of the timber sale. Not required for road acceptance under Section 18 of this contract.																									



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.
- 202a - Where clearing limits for new structures or structures to be replaced have not been staked or shown on the plans, the limits shall extend 10 feet outside of the construction slopes.
- 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 202a, as shown on the plans, and as posted.
- 203b - Standing trees and snags to be cleared shall be felled within the limits established for clearing unless otherwise authorized.
- 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.
- 204a - Stumps (, including those overhanging cut banks,) shall be removed within the required excavation limits.
- 205 - Clearing and grubbing debris shall not be placed or permitted to remain in or under road embankment sections.
- 206 - Clearing and grubbing debris shall be disposed of by scattering in accordance with Subsection 210 and/or piling in accordance with Subsection 211.
- 210 - Disposal of clearing and grubbing debris, 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.
- 211 - Disposal of clearing and grubbing debris, stumps, and cull logs shall be by piling on government lands outside of established clearing limits in an area and in a manner acceptable to the Authorized Officer.
- 212 - No grading will be permitted prior to completion and approval by the Authorized Officer of the required clearing and grubbing work, except that stump grubbing may proceed with the excavation of the road prism.
- 213 - No clearing or grubbing debris shall be left lodged against standing trees.

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.
- 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 8 inches in depth.
- 306 - Layers of embankment, selected borrow, final subgrade, and selected roadway excavation material as specified under Subsections 305a, and 305b shall be moistened or dried to uniform optimum moisture content suitable for maximum density and compacted to full width with compacting equipment conforming to requirements of Subsections 103f, 103g and 103i.
- 306e - The final subgrade, including landings, shall be compacted to full width with compacting equipment conforming to the requirements of Subsections 103f, 103g, and 103i until visible displacement ceases.

EXCAVATION AND EMBANKMENT – 300

- 308 - In the case of rock fills, placement of material in layers is not required and such material may be placed by end-dumping or other methods approved by the Authorized Officer provided that the rock be reasonably prevented from escaping beyond the embankment toe.
- 313 - In cut areas where solid rock is encountered at, or near subgrade, the rock shall be excavated to a minimum depth of 6 inches below subgrade elevation and the excavated area backfilled with suitable material. The backfill material shall be processed to the optimum moisture content suitable for maximum density and compacted to full width in accordance with the requirements of Subsection 306.
- 314 - When heavy clays, muck, clay shale, or other deleterious material for forming the roadbed is encountered in cuts at subgrade, it shall be excavated to a minimum depth of 2 feet below the subgrade elevation and the excavated area backfilled with a selected borrow material approved by the Authorized Officer. The backfill material shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density in accordance with the requirements of subsection 306. Unsuitable material shall be disposed of as directed by the Authorized Officer.
- 316 - Borrow material from sources selected at the Purchaser's option shall be inspected and approved in writing by the Authorized Officer prior to placement.
- 318 - Selected borrow or selected roadway excavation material shall be uniformly spread on the roadbed in lifts not to exceed 8 inches in depth until the required thickness shown on the plans is attained.
- Each layer shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width in accordance with the requirements of Subsection 306.
- 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 Subsection 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.
- 323 - In the construction of channel changes and stream-crossing embankment sections, natural stream flow shall be maintained unless otherwise provided.

EXCAVATION AND EMBANKMENT – 300

- 324 - Excavated material shall not be allowed to cover boles of standing trees to a depth in excess of 2 feet on the uphill side.
- 327 - The finished grading shall be approved by the Authorized Officer in segments or for the total project. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

PIPE CULVERTS - 400

- 401 - This work shall consist of furnishing and installing corrugated-polyethylene pipe culverts, and other erosion control devices in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Individual lengths and locations are approximate; final lengths and locations will be determined by the Authorized Officer upon installation of the appurtenance structures. Additional pipe and erosion control devices may be required at the option of the Authorized Officer, in which case a reduction in the total purchase price shall be made to offset the cost of furnishing and installing such items. Costs will be based upon the unit prices set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 402 - The pipe culverts located at the following road locations:

Road No.	Sta	Diameter (inch)	Length (feet)	Culvert Disposal	Surface Aggregate (cubic yard)	Remarks
P9	6+67	18	24	During Decom.	NA	Shallow fill. Temporary pipe.
	8+61	18	24	During Decom.	NA	Shallow fill. Temporary pipe.

Shall be installed in accordance with these specifications and as shown on the plans.

- 403 - Grade culverts shall have a gradient of from 2 percent to 4 percent greater than the adjacent road grade and shall be skewed down grade 30 degrees as measured from the perpendicular to the centerline unless otherwise specified on the plans or by the Authorized Officer.
- 405e - Corrugated-polyethylene pipe for culverts 12-inch through 36-inch diameter shall meet the requirements of AASHTO M 294.

PIPE CULVERTS - 400

- 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 type 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 the plans and the Culvert Installation Detail Sheets.
- 412 - Where ledge rock, boulders, soft, or spongy soils are encountered, they shall be excavated a minimum of 4 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.
- 416 - Side-fill material for pipe culverts shall be placed within 1 pipe diameter, or a minimum of 2 feet, of the sides of the pipe barrel, and to 1 foot over the pipe with fine, readily compactible soil or granular fill material free of excess moisture, muck, frozen material, roots, sod, or other deleterious or caustic material and devoid of rocks or stones of sizes which may impinge upon and damage the pipe or otherwise interfere with proper compaction.
- 417 - Side-fill material conforming to the requirements of Subsection 416 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 8 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.
- 423 - Construction of catch basins and ditch dams conforming to lines, grades, dimensions and typical diagrams shown on the plans, and shall be required for grade culverts.

RENOVATION OF EXISTING ROADS - 500

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

RENOVATION OF EXISTING ROADS - 500

- 502 - The existing road surface shall be scarified to its full width and to a minimum depth of 6 inches to eliminate surface irregularities, and bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans at the following locations:

Road No.	From Sta./M.P.	To Sta./M.P.
33-7-3.1	0.00	0.15
33-7-21.0	0.00	2.98
33-7-21.3	0.00	0.19
33-7-29.1	0.00	0.11
R1	0.00	0.16

- 502a - Rocks larger than 6 inches in maximum dimension shall be removed from the scarified layers of the roadbed. Material so removed will not be permitted to remain on road shoulders or in ditches.
- 502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.
- 504 - Existing road surfaces shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width with equipment conforming to requirements of Subsections 103f, and 103i, until visible displacement ceases.
- 506 - The inlet end of existing drainage structures shall be cleared of vegetative debris and boulders that are of sufficient size to obstruct normal stream flow. Pipe inverts shall be cleared of sediment and other debris lodged in the barrel of the pipe. The outflow area of pipe structures shall be cleared of rock and vegetative obstructions which will impede the structure's designed outflow configuration. Catch basins shall conform to the lines, grade, dimensions, and typical diagram shown on the plans.
- 508 - Vegetation encroaching on the roadbed and the drainage ditches of existing roads shall be removed by cutting and disposed of in accordance with Subsection 2100 of these specifications.
- 509 - The finished grading shall be approved by the Authorized Officer. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

ROAD RENOVATION WORKLIST

MP - Work to be Accomplished

Road No. 33-7-3.1

- 0.00 - Junction with Perkins Creek Road #33-7-3.0. Begin brushing as described in section 2100. Begin renovation as described in Sections 150 and 500. This includes, but is not limited to, cleaning catch basins, cleaning culvert inlets and outlets, blading and shaping the roadbed, and making sure that the ditches are free of debris and functioning properly.
- 0.15 - End brushing and renovation.
-

Road No. 33-7-21.0

- 0.00 - Junction with Rock Creek Road #33-7-32.0. Begin brushing as described in Section 2100. Begin renovation as described in Sections 150 and 500. This includes, but is not limited to, cleaning catch basins, cleaning culvert inlets and outlets, blading and shaping the roadbed, and making sure that the ditches are free of debris and functioning properly.
- 2.98 - End of road. End brushing and renovation.
-

Road No. 33-7-21.3

- 0.00 - Junction with Rock Creek Road #33-7-32.0. Begin brushing as described in Section 2100. Begin renovation as described in Sections 150 and 500.
- 0.08 - End brushing. Begin clearing and grubbing as described in Section 200. Begin excavation and embankment as described in Section 300. Continue renovation as described in Sections 150 and 500. (See Plan and Profile Sheets)
- 0.19 - End of road. End clearing and grubbing, and excavation and embankment.
-

Road No. 33-7-29.1

- 0.00 - Junction with Rock Creek Road #33-7-32.0. Begin clearing and grubbing as described in Section 200. Begin excavation and embankment as described in Section 300. Begin renovation as described in Sections 150 and 500. Begin brushing as described in Section 2100.
- 0.07 - Construct 100' x 200' helicopter landing within posted and painted trees, from here to end at 0.11.
- 0.10 - Junction with spur to the left.
- 0.11 - Road continues ahead. End clearing and grubbing, excavation and embankment, brushing, and renovation.

ROAD RENOVATION WORKLIST

MP - Work to be Accomplished

R1

0.00 - Junction with Perkins Creek Road #33-7-3.0. Begin renovation as described in Sections 150 and 500. Begin brushing as described in Section 2100.

0.11(5+95)

- Begin clearing and grubbing as described in Section 200. Begin excavation and embankment as described in Section 300. This includes, but is not limited to, excavating the cut banks back further, and extending the fill slopes out further, to widen the road prism. Continue renovation and brushing as needed. (See Plan and Profile Sheets)

0.12 (6+50)

- Begin end hauling 200 cy of material from excavation here to the landing at the end of Y1. Continue clearing and grubbing, excavation and embankment, renovation and brushing as needed.

0.16 (8+25)

- Road continues ahead. End clearing and grubbing, excavation and embankment, brushing, and renovation.

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 road bed.
- 604 - Water required under these specifications is subject to applicable State water regulations.
- 605 - The Purchaser shall secure the necessary water for use from water source(s) selected by the Purchaser and approved by the Authorized Officer.

EROSION CONTROL - 1700

- 1701 - This work shall consist of measures to control soil erosion or water pollution during the construction operation through the use of berms, dikes, dams, sediment basins, fiber mats, netting, gravel, mulches, grasses, slope drains and other erosion control devices or methods in accordance with these specifications and conforming to the lines, grades, dimensions and typical cross sections shown on the plans.
- 1704 - The erosion control provisions specified under this Subsection shall be coordinated with the Soil Stabilization requirements of section 1800.
- 1705 - The surface area of erodible earth material exposed at any one time by clearing and grubbing shall not exceed 4000 square feet after September 15 without prior approval by the Authorized Officer.
- 1706 - The surface area of erodible earth material exposed at one time by excavation, borrow, or fill within the right-of-way shall not exceed 4000 square feet after September 15 without prior approval by the Authorized Officer.
- 1712 - The Purchaser shall provide erosion control measures for reconstructed ditches on steep grades which includes but is not limited to, dumped stone, jute mesh, sod, or check dams. Width of protective lining or dam should extend far enough up the ditch slopes to effectively contain the runoff and prevent erosion and washout at the edges and prevent sediment from reaching live water.

SOIL STABILIZATION - 1800

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

From: September 15

To: October 31

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

- 1803a - The Purchaser shall begin soil stabilization work within 10 days of the starting work date when notified by the Authorized Officer.

SOIL STABILIZATION - 1800

- 1806a - Additional soil stabilization work consisting of seeding and mulching may be required at the option of the Authorized Officer. Providing the additional stabilization is not due to Purchaser negligence as specified in Sec. 12 of the contract, a reduction in the total purchased price shall be made to offset the cost of furnishing and applying such additional stabilization material. Cost shall be based upon the unit price set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 1808 - Mulch materials conforming to the requirements of Subsection 1808a shall be furnished by the Purchaser in the amounts specified under Subsection 1811 and applied in accordance with Subsection 1812.
- 1808a - Straw mulch shall certified weed free from commercial grain fields and native grass fields. Straw mulch shall be from oats, wheat, rye, or other approved grain crops which are free from mold, or other objectionable materials. Straw mulch shall be in an air-dry condition and suitable for placement.
- 1809 - 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.
- 1810 - Bulk mulching material required under these specifications shall be delivered to the work area bound either by twine, string or hemp rope. Wire binding will not be permitted.
- 1811 - The Purchaser shall apply to approximately 3.42 acres designated for treatment as specified under Subsections 1802a and 1806a, Government furnished native grass seed and Purchaser furnished mulch material at the following rate of application:

a. Two Stage Dry:

Native Grass Seed	10 lbs./acre
Mulch (weed free)	2,000 lbs./acre

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

- 1814 - The Purchaser may reduce the application rate on partially covered slopes and refrain from application on areas already well stocked with grass, or on rock surfaces, as determined by the Authorized Officer.
- 1815 - The seed and mulch materials shall be placed by the dry method in accordance with the requirements set forth in Subsection 1815b.

SOIL STABILIZATION - 1800

- 1815b - Dry Method - Blowers, mechanical seeders, seed drills, landscape seeders, cultipacker seeders, fertilizer spreaders or other approved mechanical seeding equipment may be used when seed and fertilizer are to be applied in dry form.
- 1818 - At the beginning of each day's operation, a measured area will be seeded and mulched to assure uniform application.
- 1819 - The maximum distance to be seeded and mulched from the road centerline shall be 100 feet for the cut slopes and 150 feet for the fill slopes.
- 1820 - The Purchaser shall notify the Authorized Officer at least 3 days in advance of date he intends to commence the specified soil stabilization work.
- 1822 - Mulch that collects at the end of culverts or accumulates to excessive depths on the slopes shall be evenly spread by hand methods, as directed by the Authorized Officer.
- 1823 - No materials 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 or mechanically, less than 6 inches in diameter at D.B.H.O.B., shall be cut to a maximum height of 3 inches above the ground surface or above obstructions such as rocks or stumps, on cut and fill slopes. All limbs below the 3 inch area will be severed from the trunk.

Vegetation shall be cut and removed from the road bed, the outside shoulders and up to the ditch centerline. Such vegetation shall be cut to a maximum height of 1 inch above the ground and running surface. Limbs below the 1 inch area will be severed from the trunk. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.

ROADSIDE BRUSHING - 2100

- 2104 - Trees in excess of 6 inches in diameter at D.B.H.O.B. shall be limbed, so that no limbs extend into the treated area or over the roadbed to a height of 14 feet above the running surface of the roadway on cut and fill slopes, within the road prism-variable distance. Limbs shall be cut to within 1 inch of the trunk to produce a smooth vertical face. Removal of trees larger than 6 inches in diameter for sight distance or safety may be directed by the Authorized Officer.
- 2105 - Vegetation that is outside of the road prism-variable distance that protrudes into the road prism and within 14 feet in elevation above the running surface shall be cut, to within 1 inch of the trunk to produce a smooth vertical face.
- 2106 - Vegetative growth capable of growing 1 foot in height or higher shall be cut, within the road prism-variable distance or as directed by the Authorized Officer.
- 2107 - Inside curves shall be brushed out for a sight distance of 200 feet chord distance or a middle ordinate distance of 25 feet whichever is achieved first. Overhanging limbs and vegetation in excess of 1 foot in height, shall be cut within these areas.
- 2108 - Self propelled equipment shall not be permitted on cut and fill slopes or in ditches.
- 2109 - Debris resulting from this operation shall be scattered downslope from the roadway. Debris shall not be allowed to accumulate in concentrations. Debris in excess of 1 foot in length and 2 inches in diameter shall not be allowed to remain on cut slopes, ditches, roadways or water courses, or as directed by the Authorized Officer.
- 2112 - Roadside brushing shall be accomplished as shown on the plans and as listed below:

Road Number	Sta./Mi.	From M.P.	To M.P.
33-7-3.1	0.15	0.00	0.15
33-7-21.0	0.61	0.00	0.61
33-7-21.3	0.09	0.00	0.09
33-7-29.1	0.11	0.00	0.11
R1	0.16	0.00	0.16

- 2115 - Mechanical brush cutters shall not be operated when there are people and occupied vehicles within 400 feet of the immediate operating area.
- 2116 - 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.

ROAD DECOMMISSIONING – 2600

- 2601 - Decommissioning includes ripping, installing water bars, placement of slash and soil stabilization material, and blocking in accordance with these specifications, and in accordance with Exhibit D of this contract. This work is not required for road acceptance under Section 18 of this contract.
- 2602 - Decommissioning activities shall be performed on the following roads:

Road Number	Length
33-7-23.1	MP 0.08 to MP 0.19
R3	3+30
Y1	3+95
Y2	1+65
P3	13+05
P4	35+60
P5	1+00
P6	8+00
P7	1+95
P8	8+20
P9	10+95

This work is not required for road acceptance under Section 18 of this contract.

- 2603 - Water bars shall be installed on the roads listed in Subsection 2602, at the following intervals:

Road Gradient	Spacing Distance
0 - 5%	400 feet
6 - 12%	300 feet
13% and greater	200 feet

at locations approved by the Authorized Officer, and in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.

ROAD DECOMMISSIONING – 2600

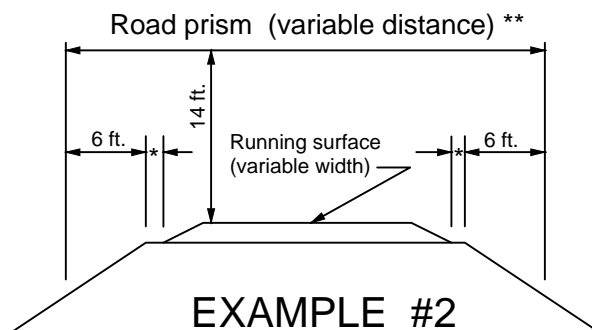
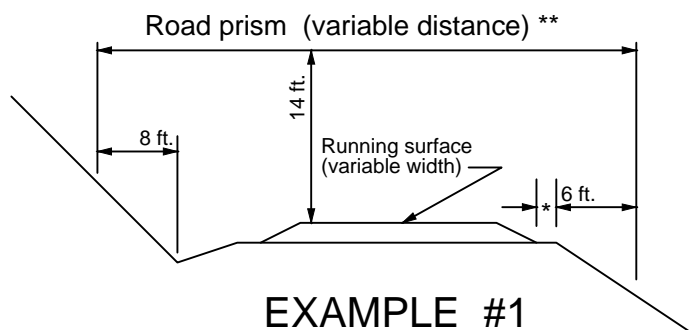
- 2604 - Decommissioning work shall be completed after timber extraction, logging activities, and after road use.
- 2605 - Soil stabilization work consisting of seeding and mulching shall be performed as specified under Section 1800, in areas left exposed as a result of decommissioning operations.
- 2606 - Stockpiled slash shall be used to protect exposed areas created by the Purchaser's decommissioning operations described in these sections. Slash shall be uniformly spread and placed without bunching. The operation shall produce a dense, uniform mat. All slash stockpiles created by the purchaser shall be utilized for decommissioning operations. Where slash is not available or no longer remaining, exposed soil areas shall be stabilized in accordance with section 1800 – Soil Stabilization.
- 2608 - Protect areas that have been mulched, or treated with slash placement, from damage by Purchaser traffic or construction equipment. Damaged areas shall be repaired by the Purchaser.
- 2609 - Road blocking shall be performed on the following roads:

Road Number	Location
33-7-23.1	At MP 0.08
R3	Beginning
Y1	Beginning
P3	Beginning
P4	Beginning
P6	Both Junctions with Road #33-7-32.0
P7	Beginning
P8	Beginning

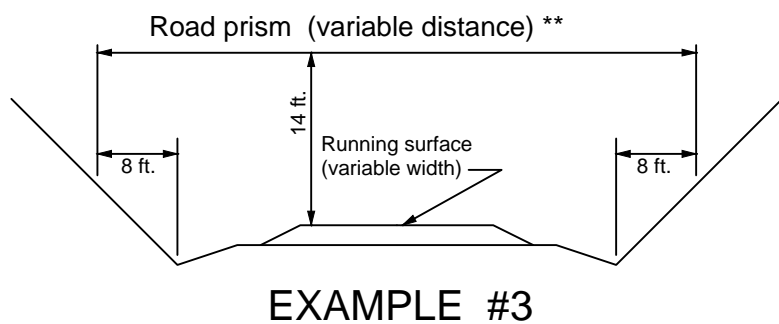
Decommissioned roads shall be blocked to motor vehicle passage with an earth barricade or a debris barricade, near their beginning unless otherwise specified, at a location approved by the Authorized Officer, in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.

MEDFORD DISTRICT - OREGON

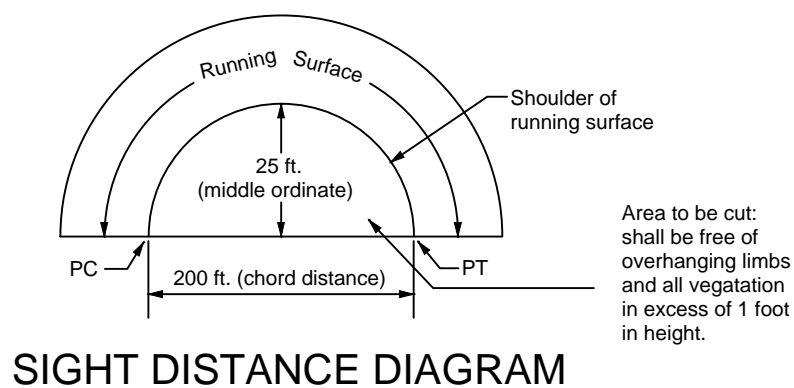
**ROADSIDE BRUSHING
DETAIL SHEET**



(NO SCALE)



- * Variable distance between running surface and start of fill slope.
- ** All areas within the variable distance shall be free of all vegetation capable of growing one (1) foot in height or higher and all overhanging limbs and branches 14 feet in elevation above the running surface.

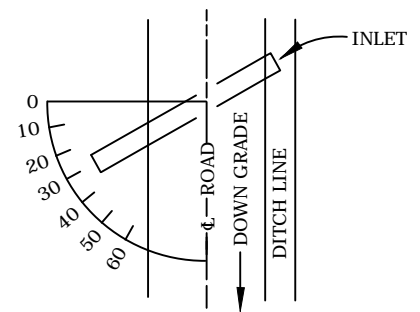
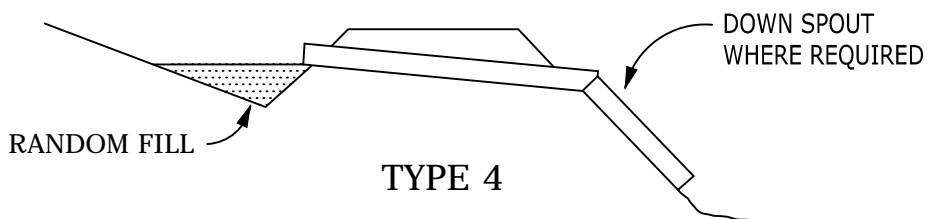
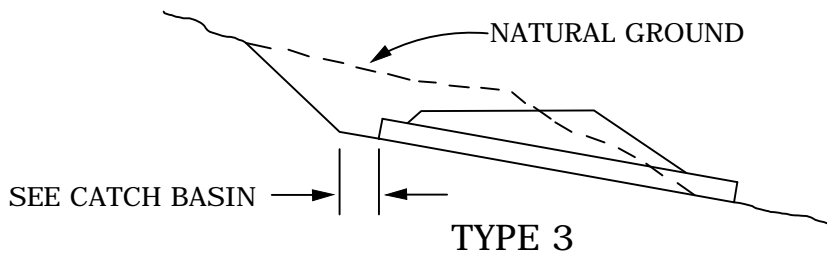
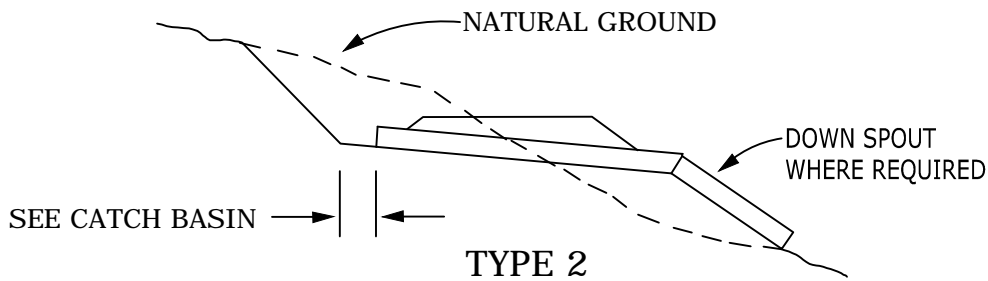
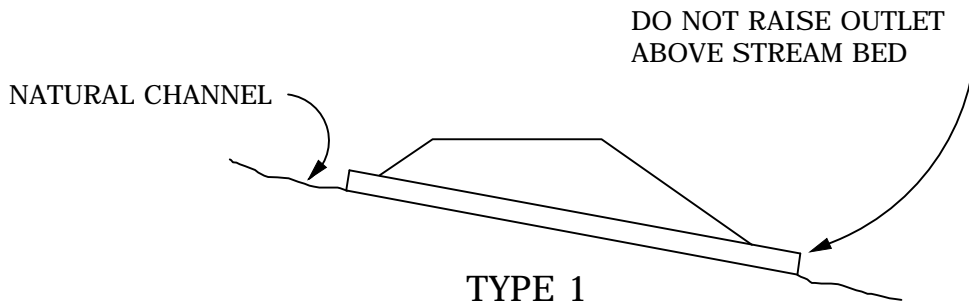


NOTE:

Prior to beginning roadside brushing the purchaser shall establish a control section in a location determined by the Authorized Officer. This section will be used to physically and visually establish acceptable cutting and cleanup standards to be used for the remaining roadside brushing.

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Medford District

Rockstar Timber Sale
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EXHIBIT C
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SKEW DIAGRAM

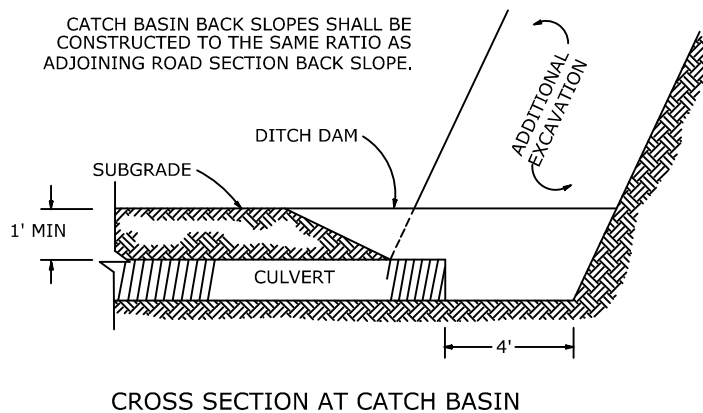
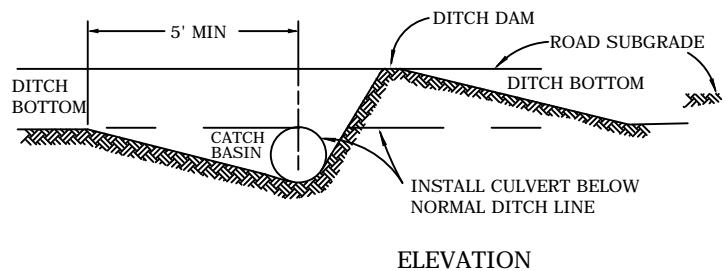
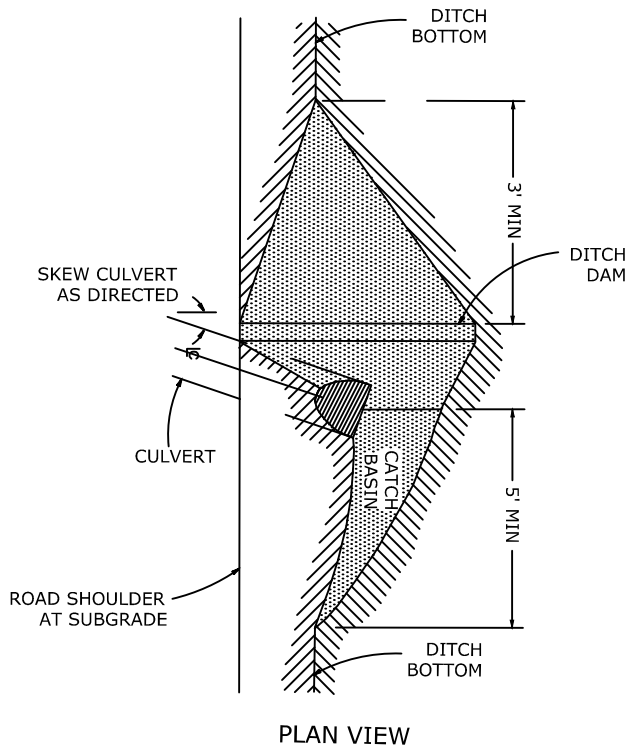
THE GRADE OF CROSSDRAINS SHALL
BE AT LEAST 2% GREATER THAN THE
GRADE OF THE DITCH.

ALWAYS THINK SAFETY

CULVERT INSTALLATION TYPES

UNITED STATES DEPARTMENT OF THE INTERIOR Bureau of Land Management MEDFORD DISTRICT - OREGON			
CULVERT INSTALLATION DETAILS			
DRAWN	J. REMIRO Eugene D.O.	SCALE	not to scale
DATE	1990	SHEET	23 OF 27

U.S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Medford District



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

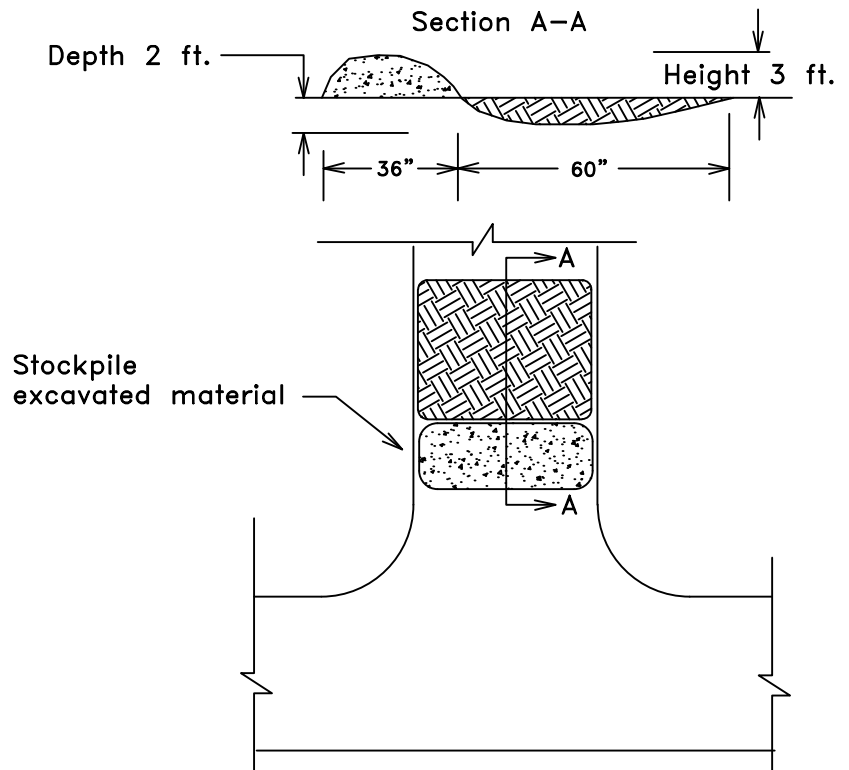
ALWAYS THINK SAFETY

CATCH BASIN INSTALLATION

UNITED STATES DEPARTMENT OF THE INTERIOR Bureau of Land Management MEDFORD DISTRICT - OREGON	
CULVERT INSTALLATION DETAILS	
DRAWN J. REMIRO Eugene D.O.	SCALE not to scale
DATE 1990	SHEET 24 OF 27

U.S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Medford District

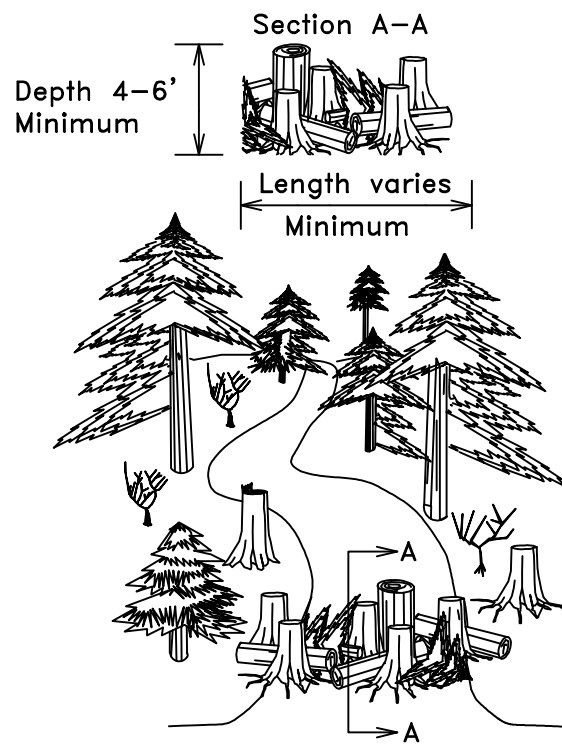
1. Roads may be blocked as shown
2. All excavated material shall be stockpiled at the entrance of the road to be blocked
3. Exact locations will be flagged by the Authorized Officer prior to construction
4. The barricade shall span the entire width of the roadway and shall sufficiently block all vehicular access to the road



Typical Earth Barricade Details
(Earth berm)
(Not to Scale)

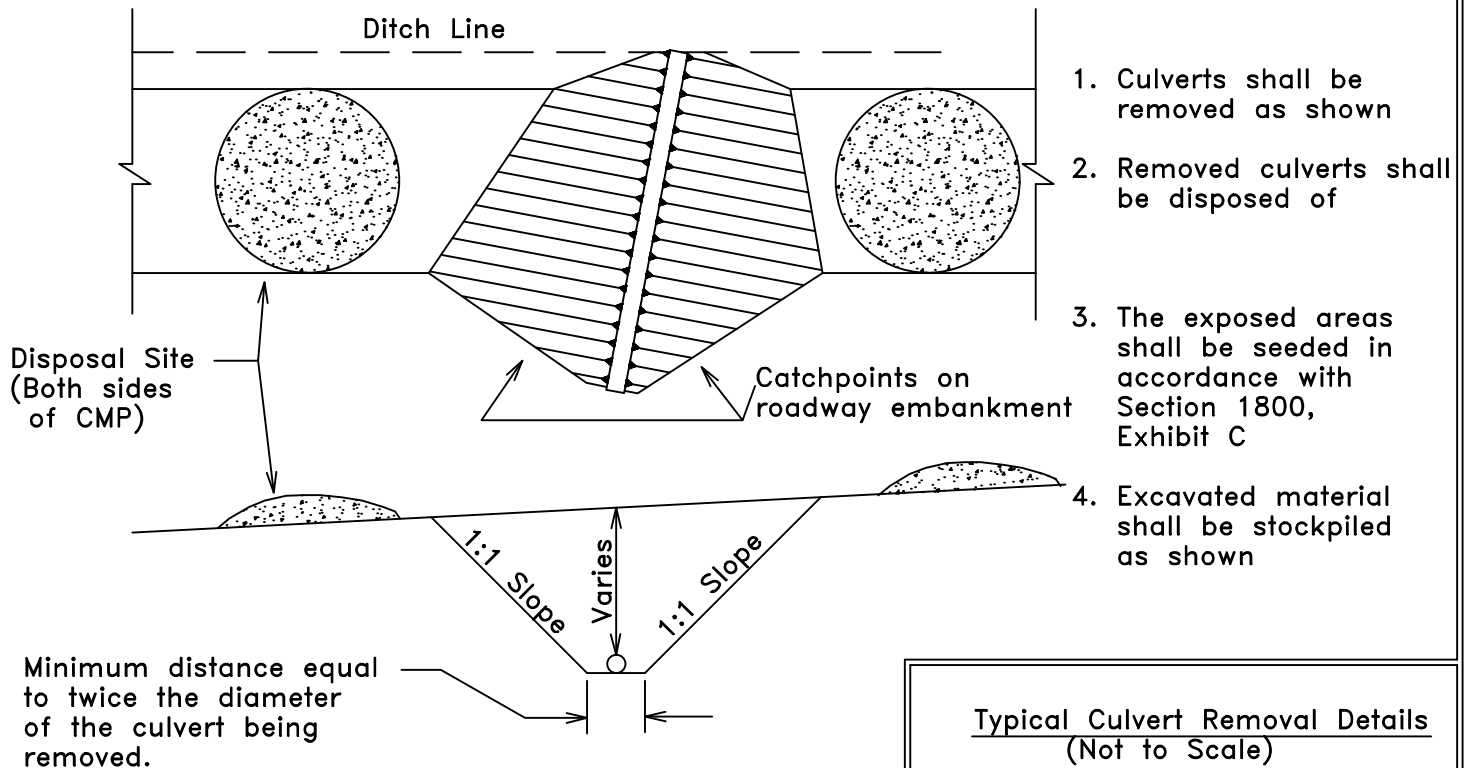
Typical Debris Barricade Details
(Debris & Earth berm)
(Not to Scale)

1. Roads may be blocked as shown using available debris
2. All barricade material shall be stock piled in a large configuration of stumps, logs, large rocks, woody material and earth. Earth will be used to aid debris from being cut, stolen or moved from site.
3. Barricade locations will be flagged by the Authorized Officer prior to construction
4. The barricade shall span the entire width of the roadway and shall sufficiently block all vehicular access to the road

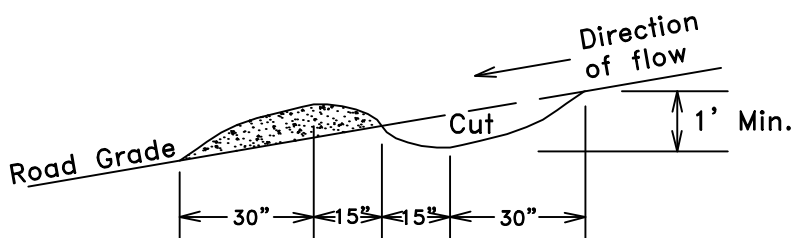


U.S. DEPARTMENT OF THE INTERIOR
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Rockstar Timber Sale
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EXHIBIT C
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Typical Waterbar Details
(Not to scale)



1. Waterbars shall be constructed as shown.
2. Exact locations will be flagged by the Authorized Officer prior to construction.
3. All waterbars shall be skewed 30 degrees.
4. Waterbars shall extend from the cut bank to the fill slope and be readily crossed by field type vehicles.

United States
Department of the Interior
Bureau of Land Management
Medford District

Timber Sale Contract
Purchaser Road Maintenance Specifications

SECTION	SHEET	DESCRIPTION
	1	Table of Contents
3000	2	General
3100	2-3	Operational Maintenance
3200	3-4	Seasonal Maintenance
3300	4-5	Final Maintenance
3400	5	Other Maintenance
3500	5	Decommissioning

ROAD MAINTENANCE SPECIFICATIONS

GENERAL - 3000

- 3001 The Purchaser shall be required to maintain all roads listed and/or referenced in section 41, Special Provisions, and as shown on the Exhibit E map of this contract in accordance with Sections 3000, 3100, 3200, 3300 and 3400 of this exhibit.
- 3002 The Purchaser shall maintain the cross section of existing dirt or graveled roads to the existing geometric standards. Any roads required to be constructed or renovated under the terms of this contract shall be maintained to the geometric 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 roads with logging units substantially completed, prior to moving operations to other roads, unless otherwise permitted by the Authorized Officer. 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 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 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 designated, suitable 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 as directed by the Authorized Officer.

OPERATIONAL MAINTENANCE – 3100

- 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 materials eroded from road shoulders and fill slopes, up to fifteen 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 repair and replacement of eroded material exceeding fifteen 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 Road Cost Guide. 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 traveled way when directed by the Authorized Officer.
- The Purchaser shall also cut trees or brush encroaching on the road prism that are a result of his activities or winter damage during the contract period. Disposal of such vegetative material shall be by scattering below the road.
- 3108 The Purchaser shall avoid fouling gravel or bituminous surfaces through covering with earth and debris from side ditches, slides or other sources. The Purchaser shall also avoid blading surfacing material off the running surface of the roadway. Skidding of logs on the roadway in or outside designated logging units is not authorized without prior written approval by the Authorized Officer. Repair required caused by such skidding activity is not considered maintenance and shall be repaired at the Purchaser's expense.

SEASONAL MAINTENANCE - 3200

- 3201 The Purchaser shall perform preventative 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 requirements specified in Section 3100.

SEASONAL MAINTENANCE - 3200

- 3202 The purchaser shall perform and complete maintenance specified in Sections 3000, 3100, and 3200 on all roads maintained by him, prior to October 31 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 proceeding 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 road or watershed damage.

FINAL MAINTENANCE - 3300

- 3301 The Purchaser shall complete final maintenance and/or damage repairs on all roads used under the terms of their contract within thirty (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
- 3301 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.

FINAL MAINTENANCE - 3300

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. 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.

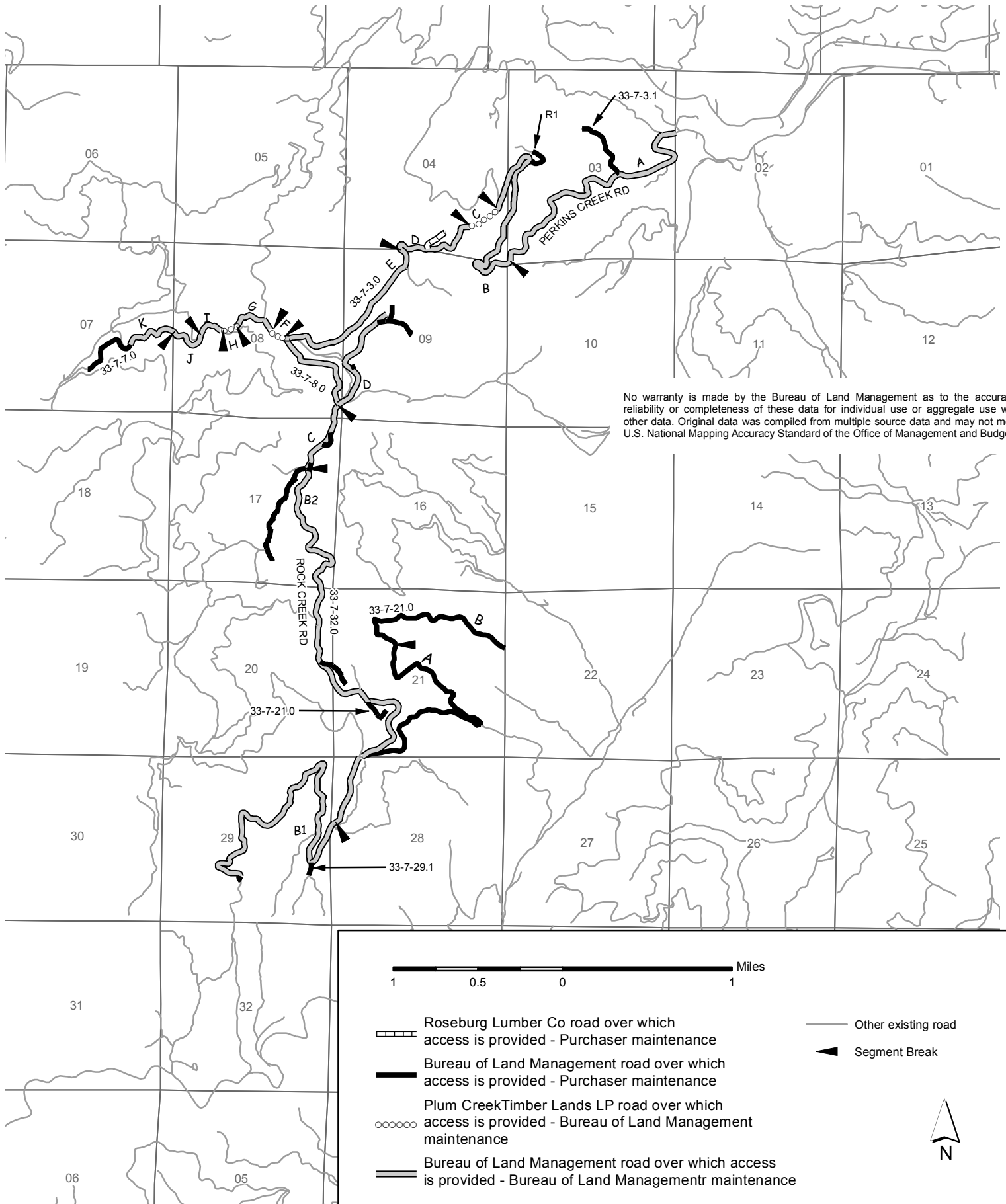
Upon receiving written authorization for ice or snow removal, the Purchaser will perform the work according to the conditions and equipment requirements set forth in the authorization.

DECOMMISSIONING – 3500

3501 Decommissioning may include but is not limited to ripping, installing water bars, installing drain dips, and placing slash as directed by the Authorized Officer, and blocking roads from access by vehicles as shown in Exhibit C of this contract. This work is not required for road acceptance under Section 18 of this contract.

ROAD USE AND MAINTENANCE MAP

EXHIBIT E



SELECTION CRITERIA-DESIGNATION BY PRESCRIPTION EXHIBIT F

The Selection Criteria shown below shall be used by the Purchaser in determining which trees are to be retained and which trees are to be cut and removed. Consider safety in determining whether a fire-killed or fire-injured snag should remain standing. The operator will have flexibility and responsibility to remove any snag or tree deemed unsafe for workers on site.

The Selection of retention shall comply with Rock Star Special Provisions Sec 41. The Purchaser shall leave all boundary trees marked with orange paint and/or poster tags. Within harvest units, the Purchaser shall also leave live hardwoods and live green conifers with a low probability of mortality as defined in Appendix 1 of this Exhibit.

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

Treatment Objectives: Recover mortality and anticipated mortality in designated unit areas burned in the Douglas Complex Fire. Retain structural features of snags and coarse woody debris (CWD) per RMP direction:

- Snags: 2 snags per acre to meet the requirement for cavity nesting birds at 40 percent of potential population levels
- CWD: 120 linear feet of decay class 1 and 2 logs per acre \geq 16 inches in diameter and \geq 16 feet long. Where existing CWD is deficit, 2 additional snags per acre \geq 16 inches in diameter shall be used to make up the deficit).

Retain structural features of the stand as wildlife components. See Tables 1 and 2 of this Exhibit for individual Unit retention targets.

Prescription: Salvage harvest fire-killed and fire-injured trees using the determining variable of percent crown scorch as defined in Appendix 1. Use retention criteria per unit described below to retain trees and coarse woody debris in clumps and/or dispersed stems (clumps are preferred). Fire-killed and fire-injured trees in excess of retention standards may be harvested. **Appendix 1** describes the condition of trees available for removal. **Appendix 2** illustrates desirable reserve snags and snag clumps. **Appendix 3** illustrates possible scenarios for distributing retention snags. **Appendix 4** describes the characteristics of snags and coarse woody debris.

In determining what material to retain to meet the required snag and coarse woody debris per acre, the Purchaser shall make selections based on the following criteria and apply these to **all** harvest units:

LIVE GREEN TREES

- Trees considered **not suitable** for harvest:
 - Conifers with a low probability of mortality (see Appendix 1).
 - Live hardwoods > 8 inches DBH.
 - Orange marked trees.

SNAGS

- Desired individual tree characteristics
 - Retain the largest available snags ($\geq 16''$ DBH) per acre if not a hazard to the operation (some units may not provide enough $\geq 16''$ DBH snags).
 - Favor retaining large wolf trees or trees with heavy branching or poor form.
 - Wildlife trees (painted orange “W” on the bole of the tree).
 - Favor leaving the most windfirm snags, considering taper (H/D ratio), exposure, etc.
 - Refer to **Appendix 2** for examples.
- Retained snags should reflect the species mix of the original stand.
- Retain and tally all non-hazardous large hardwood snags (≥ 16 inches DBH).
- If a retention snag needs to be fallen for safety concerns another snag of similar size will be retained in substitution.
- Leave trees may be dispersed or clumped.
 - In most units retention of clumps is preferred to dispersed single trees **except** in Del Norte (Talus soil portions as shown on Exhibit G) parts of Units: 1 (41 ac), 2 (27 ac), 3 (7 ac), 6 (4 ac), and 7 (10 ac) where more evenly spaced dispersed single tree retention is preferred throughout the talus area and clumping avoided, if possible.
 - Distribution and size will depend on conditions in each unit and unit size will influence the amount of structure available. **Appendix 3** illustrates possible scenarios of distributing snags within a unit.
- When reserving snags in clumps consider the following:
 - In units greater than 5 acres, avoid placing clumps entirely on the sides or bottoms of the unit and preferably, include interior clumps in the distribution.
 - Clumps should vary in size and shape and range from a few trees to larger blocks.
 - Clumps are preferred within the interior of the unit as safe operations permit.
 - Clumps can also be placed along the bottom and/or along a portion of the sides in a wedge pattern from the edge of the unit.
 - Clumps may include any combination of live green leave trees, sub merchantable material, and snags (however only dead trees ≥ 16 inches DBH may be counted toward snag retention).
- Excess snags retained in a unit can count towards filling any deficit coarse woody debris retention.
- Cull trees $\geq 16''$ DBH can contribute towards snags (dropped culls can contribute to CWD if they meet the minimum specifications of $\geq 16' \times 16''$ Decay Class 1 or 2).
- Options to retain dispersed snags and/or snag clumps include:

- Among understory trees
- Among other leave trees that are live, large, and windfirm
- Around shrub understories
- Inoperable areas such as rock outcrops, steep slopes, sensitive soils
- Around clusters of coarse woody debris

COARSE WOODY DEBRIS (CWD)

- Retain 120 linear feet per acre of CWD ≥ 16 inches large end diameter and ≥ 16 ft. minimum length (16" x 16') using decay class (DC) 1 and 2 material.
 - Refer to Appendix 4 Table 4-2 for conversion from tree diameter class to the number of qualifying 16 foot logs.
 - Where this retention cannot be met with existing CWD, use standing material to make up the deficit.
- If removing down woody material (DWM) for a merchantable product, ensure that 280 linear feet per acre of non-merchantable DWM is met first (total CWD and DWM should equal 400 linear feet per acre before extraction begins).

YARDING OF UNMERCHANTABLE MATERIAL (YUM)

- Unit 5 contains 36 acres of excessive dead hardwood densities that require removal (shown on Exhibit A).
- After meeting minimum snag and/or CWD retention amounts, YUM yard excess hardwood material 8-16 inches DBH from the unit and deck along Temp. Routes P4, Y2, and BLM Road # 33-7-32.0 as shown on Exhibit A.

PURCHASER TALLY OF MARKED TREES:

For all units, the Purchaser shall mark and record all retention snags (as determined by Appendix 1). Marked trees shall be recorded on tally cards by species using one (1) inch diameter class as shown:

Tables 1 and 2 provide the total count required for each unit. Falling of trees in a unit will occur only after marking has been accepted.

1-in. Diameter Class	Diameter Range
16	15.6 – 16.5
17	16.6 – 17.5
18	17.6 – 18.5
19	18.6 – 19.5
20	19.6 – 20.5
21	20.6 – 21.5
22	21.6 – 22.5
23	22.6 – 23.5

COMPLIANCE INSPECTION:

Compliance inspection of the marking will occur after unit tally cards are submitted to the Government and prior to the falling of trees within the unit to be inspected. Non-compliance with the Prescription and/or Selection Criteria shall constitute a contract violation which may

result in a suspension of operations as provided in Section 10 of the contract. Inspection will consist of:

- 1) A review of the tally cards on a unit basis to determine that each unit meets the minimum total number of snags as displayed in Tables 1 and 2.
- 2) Field review of the selection of leave trees in compliance with crown scorch guidelines (Appendix 1 and 2) and the Prescription in this Exhibit (pgs. 2-3).

INDIVIDUAL UNIT RETENTION:

MATRIX RETENTION:

- Retain **2-4 largest available** snags per acre ($\geq 16''$ DBH).
- Retain 120 linear feet of coarse woody debris ≥ 16 inches large end diameter and ≥ 16 ft. minimum length (16'' x 16') using DC 1 and 2 material.
 - Where this retention cannot be met with existing coarse woody debris, merchantable material will be used to make up the deficit.
- Retain 280 linear feet of non-merchantable DWM before extracting merchantable DWM.
- **YUM Portion of Unit 5:** After all required CWD and snag retention numbers are marked and met, YUM yard excess **dead** hardwoods 8-16 inches DBH from 36 acres of the unit and deck along Temp. Routes P4, Y2, and BLM Road # 33-7-32.0 as shown on Exhibit A.
- See Table 1 for minimum required total snag retention to meet snag and CWD targets.

Table 1. Leave tree requirements (snags ≥ 16 inches DBH) to satisfy both snag and CWD retention guidelines

Exhibit A Unit	EA Unit	Acres	Existing linear ft. CWD $\geq 16''$ & $\geq 16'$ per acre	Minimum total number of snags $\geq 16''$ to retain for snag & CWD
4	15-3A	23	147	18
5*	17-1 17-3	46	49	155

* YUM hardwoods 8-16'' DBH in 36 acres as shown on Exhibit A.

WILDLIFE RETENTION:

- Retain **4 largest available** snags per acre ($\geq 16''$ DBH).
- Retain all CWD.
- **Del Norte Unit Nos. (Talus soil portions as shown on Exhibit G) 1 (41 ac), 2 (27 ac), 3 (7 ac), 6 (4 ac), and 7 (10 ac):** Avoid clumping of retention trees (dispersed retention is desired throughout the talus area).
- **Unit 1:** Leave 2 snags/acre within the west strip between the 33-7-3.0 road switchback as shown on Exhibit A.
- **Unit 3:** Leave 2 snags/acre in **ground based** yarding area as shown on Exhibit A.
- See Table 2 for minimum required total snag retention to meet snag and CWD targets.

Table 2. Leave tree requirements (snags ≥ 16 inches DBH) to satisfy snag, CWD, CHU, Del Norte salamander, and NSO core retention guidelines

Exhibit A Unit	Harvest Acres	Minimum total number of snags ≥ 16" to retain for snag & CWD
1†	133	532
2†	37	122
3†	22	79
6†	59	199
7†	35	129
8	12	44
9	12	35
10	7	21
11	9	29
12	6	18
13	25	89
† Dispersed retention (avoid clumping) in Talus soil portion as shown on Exhibit G: Units 1, 2, 3, 6, & 7. Prescription change lines for Talus soil areas are flagged in white on the ground.		

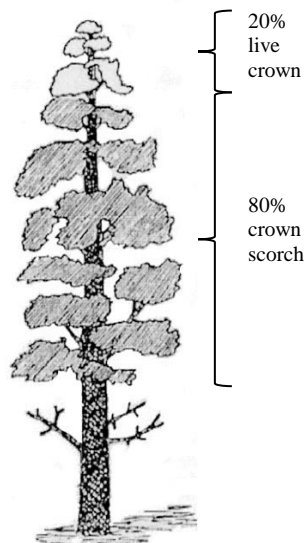
APPENDIX

1. The Southwest Oregon Forest Insect and Disease Service Center guidelines (SWOFIDSC 2001).

Species	% Crown Scorch
Douglas-fir	> 70
Sugar Pine	> 65
Ponderosa Pine	> 70
Incense Cedar	> 90
White Fir	> 40
Western Hemlock	> 25

Percent crown scorch is a measure of the proportion of foliage that has been killed by the fire relative to the entire amount of foliage that was present before the burn (scorched foliage should be obvious to the naked eye as yellowish brown or red needles). Lower branches dead before the fire should not be included when determining crown scorch.

Percent Crown Scorch



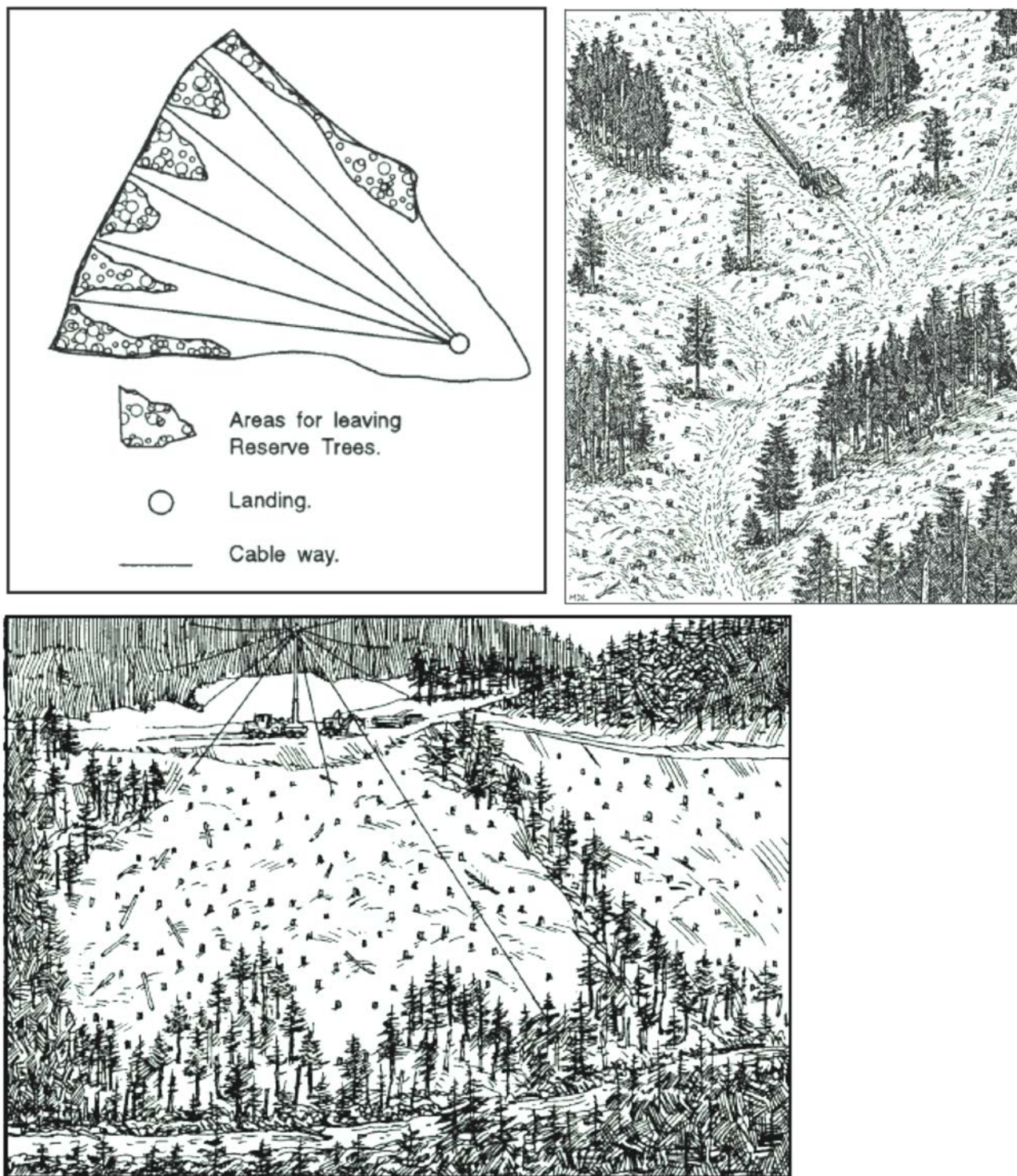
To evaluate visual estimation of percent crown scorch:

- Position yourself to view the entire tree crown, preferably at right angles to the direction of fire spread.
- Reconstruct the pre-fire crown appearance by looking at the fine branch structure and needles.
- Estimate the percent of crown killed by the fire based on your estimation of the pre-fire crown area. These include areas with yellowish brown, brown, or red needles, as well as blackened fine branches.
- Assess the tree with consideration to all sides of the crown. One side may show higher crown scorch than the opposite side.
- Borderline Douglas-fir can be evaluated for presence of boring dust. Borderline trees with boring dust greater than 90% of the bole are mass-attacked by beetles, will die regardless of fire injury, and can be removed.
- Lower crowns that contain blackened fine branches contribute to crown scorch. Lower branches lacking fine twigs were likely dead before the fire and should **not** be included in crown scorch (as pictured). Unsymmetrical crown bases may be visually moved to even out the crown shape.

2. Desirable leave tree clusters



3. Example scenarios of clump and clump-dispersed distributions in a unit.



Source: Guidelines for Selecting Reserve Trees (Publication F417-092-000 [08/2005])

4. Coarse Woody Debris and Snags

Trees designated for coarse woody debris should have characteristics of decay class 1 and 2 logs (e.g., bark intact, limbs intact, texture mostly sound, round shape). To meet the 1995 ROD/RMP guidelines, leave a minimum of 120 linear feet of logs per acre greater than or equal to 16 inches in diameter at the large end and 16 feet long (120 linear feet is equivalent to 7.5, 16-foot logs) (Information Bulletin OR-97-064 and Instruction Memorandum OR-95-028).

In addition, a minimum of 280 linear feet of DWM shall be retained, where present, to meet a combined total of 400 linear feet CWD and DWM. Where this number is met, additional merchantable DWM resulting from the fire event (windthrow, retardant drops, and other suppression activities) may be removed as a commercial product.

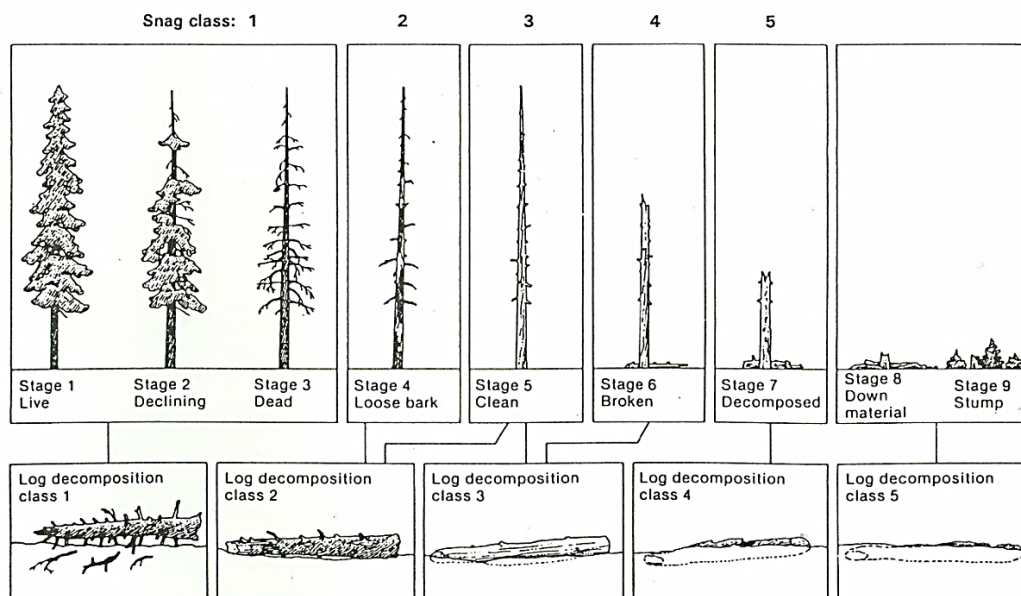
Table 4-1. Coarse Woody Debris / Down Woody Material Decay Classes					
Log Characteristics	Decay Class				
	1	2	3	4	5
Bark	Intact	Intact	Trace	Absent	Absent
Twigs <3 cm.	Present	Absent	Absent	Absent	Absent
Texture	Intact	Intact to partly soft	Hard, large pieces	Small, soft blocky pieces	Soft and powdery
Shape	Round	Round	Round	Round to oval	Oval
Color of wood	Original color	Original color	Original color to faded	Light brown to reddish brown	Red brown to dark brown
Portion of log on ground	Tree elevated on support points	Tree elevated on support points but sagging slightly	Tree is sagging near ground	All of tree on ground	All of tree on ground
Invading roots	None	None	In sapwood	In heartwood	In heartwood

Table 4-2. Number of 16-foot Logs produced by Tree Diameter Class

Tree DBH	Number of logs per tree 16" by 16'
16"	1
20"	1
24"	3
28"	4
32"	5
36"	6
40"	6
44"	7
48"	7
52"	8
56"	8
60"	9
64"	9

Source: Forest Survey Handbook BLM Manual Supplement Handbook 5250-1. 1995. Stand Exam Detail Screen

THE FIVE SNAG CLASSES AND THEIR RELATIONSHIP TO LOG CLASSES



DEFINITIONS

Coarse Woody Debris (CWD): Portion of tree or entire tree that has fallen or been cut and left lying on the forest floor. Minimum qualifying stem as defined in this project must be ≥ 16 inches in diameter and ≥ 16 feet long.

Conifer: An evergreen tree that produces cones, needle-shaped leaves, and wood known commercially as “softwood”.

DBH: Diameter of the tree at breast height, measured at four point five feet (4.5') above the ground level from the uphill side of the tree.

Down Woody Material (DWM): Logs lying on the forest floor that include merchantable and non-merchantable material in all decay classes.

Fire-Killed Tree: A standing or fallen conifer tree with 100% of the crown scorched showing brown needles or the crown is black with no needles.

Fire-Injured Tree: A conifer tree exhibiting crown scorch while still retaining green needles. Some fire-injured trees may die within the next 4 years (Appendix 1).

Fire-Injured Trees with a High Probability of Mortality: Standing trees that meet the description of fire-killed or fire-injured trees with a high probability of mortality defined in Appendix 1.

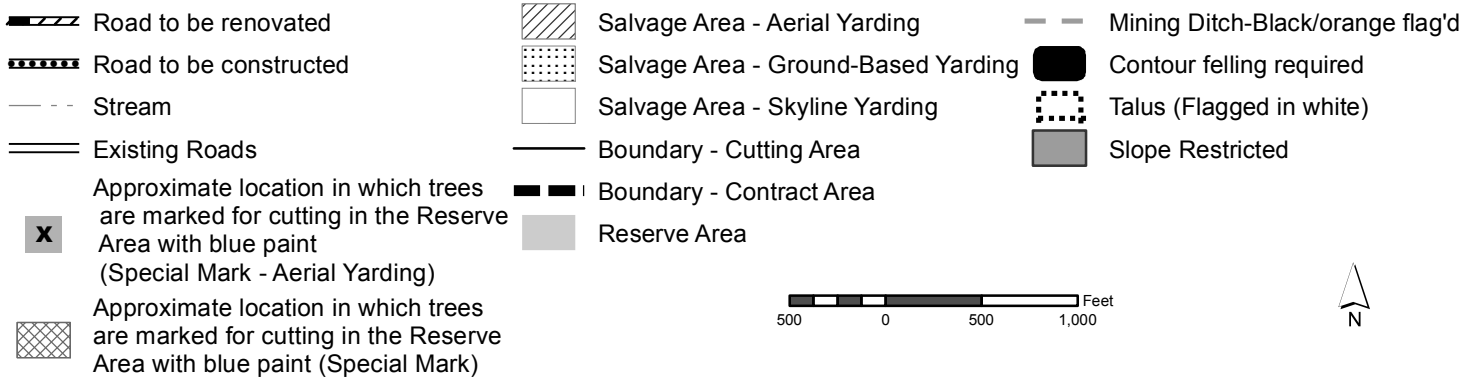
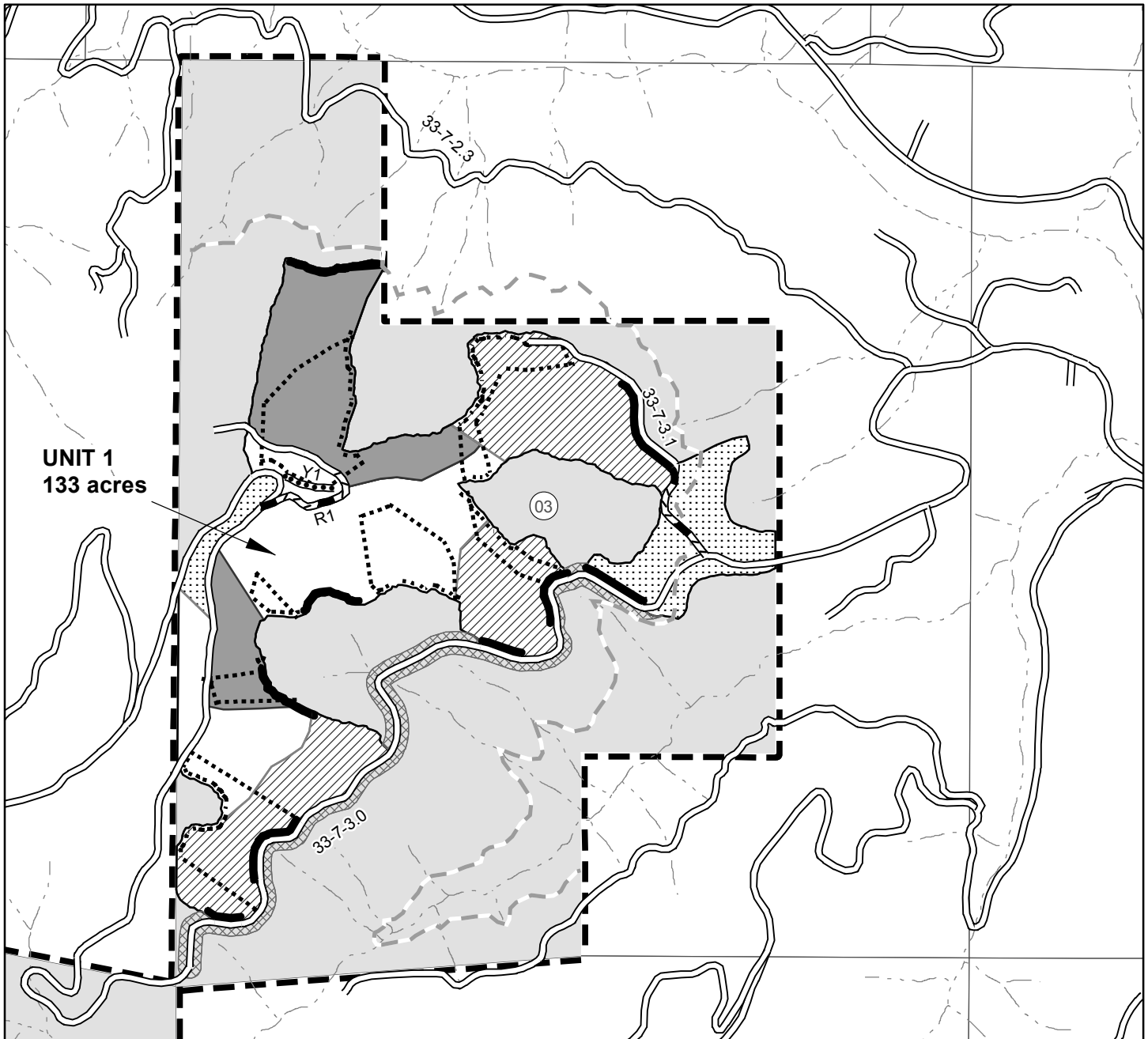
Hardwood: A live green broad-leaved tree which usually has a single well-defined trunk, exhibits $> 30\%$ live crown ratio and is capable of attaining a height greater than 20 feet. These include, but are not limited to alder, chinquapin, bigleaf maple, madrone, and oak species. Sprouting hardwood species may be in the form of multi-stemmed clumps originating from the base of a single defined stump.

Leave tree: Live green tree to be retained within the specifications of this prescription. These include live green conifers and large hardwoods, as well as fire-injured trees with a low probability of mortality as designated in Appendix 1.

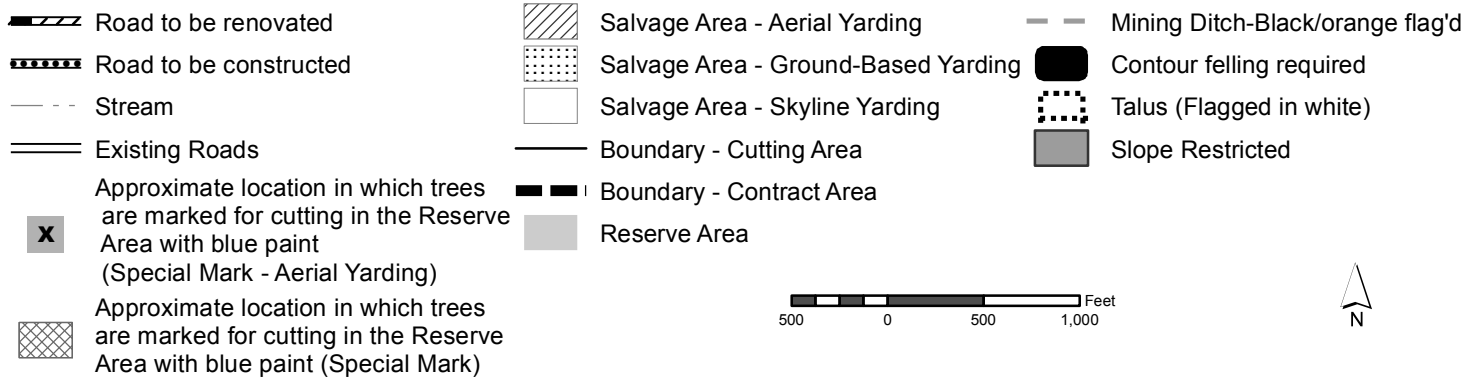
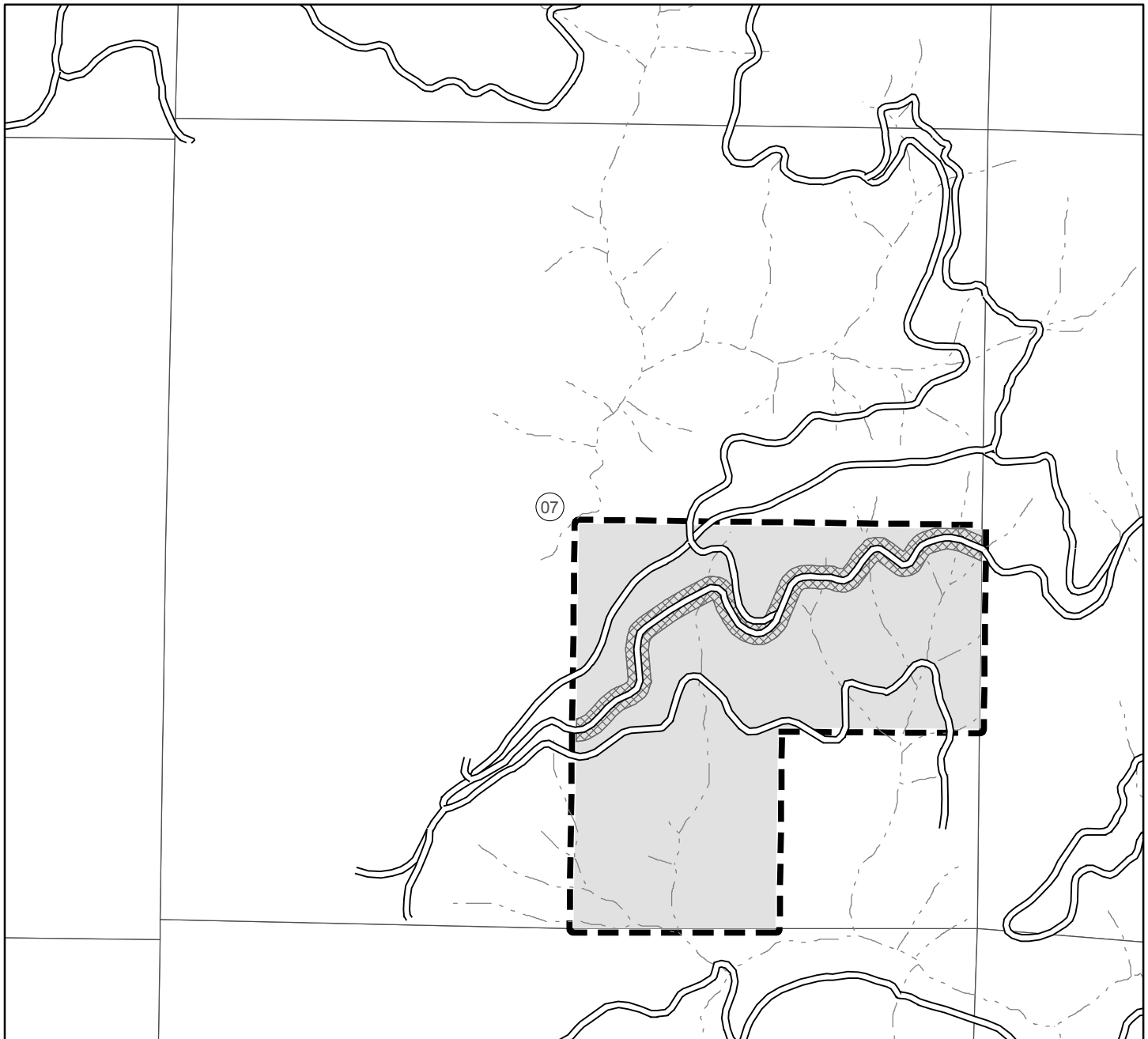
Percent crown scorch: A measure of the proportion of foliage that has been killed by the fire relative to the entire amount of foliage that was present before the burn (scorched foliage should be obvious to the naked eye as yellowish brown or red needles).

Snag: 1. A dead or dying tree with physical characteristics exhibiting varying rates of decomposition (Appendix 4, Table 4-3). 2. Standing dead conifer or hardwood tree species (with a well-defined single main stem or trunk) from which the top has died or from which the leaves and most of the branches have fallen. 3. The remaining standing section of a tree whose crown has broken away from the stem. 4. Conifer trees that exhibit a high probability of mortality within the next 4 years (Appendix 1).

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302

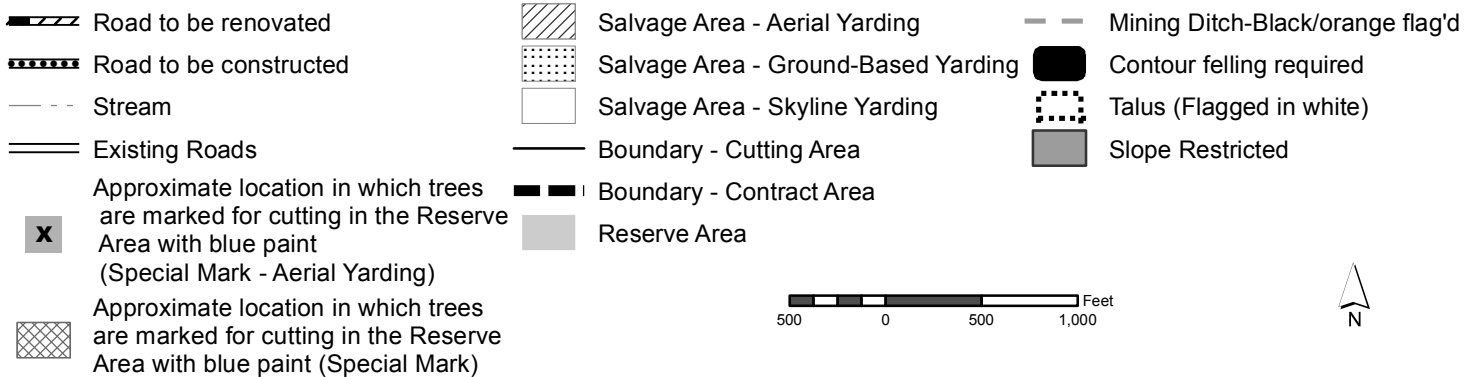
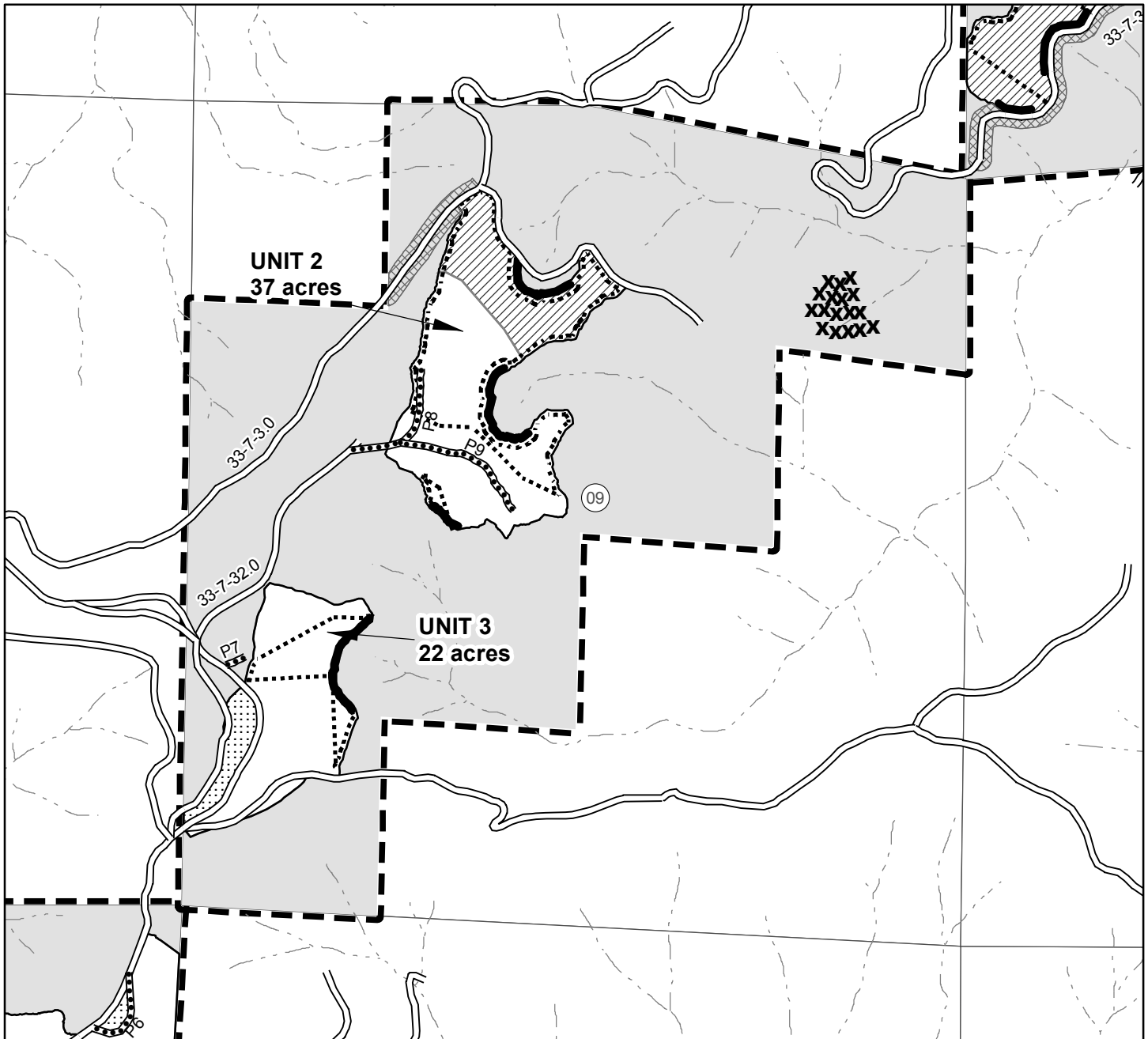


TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302

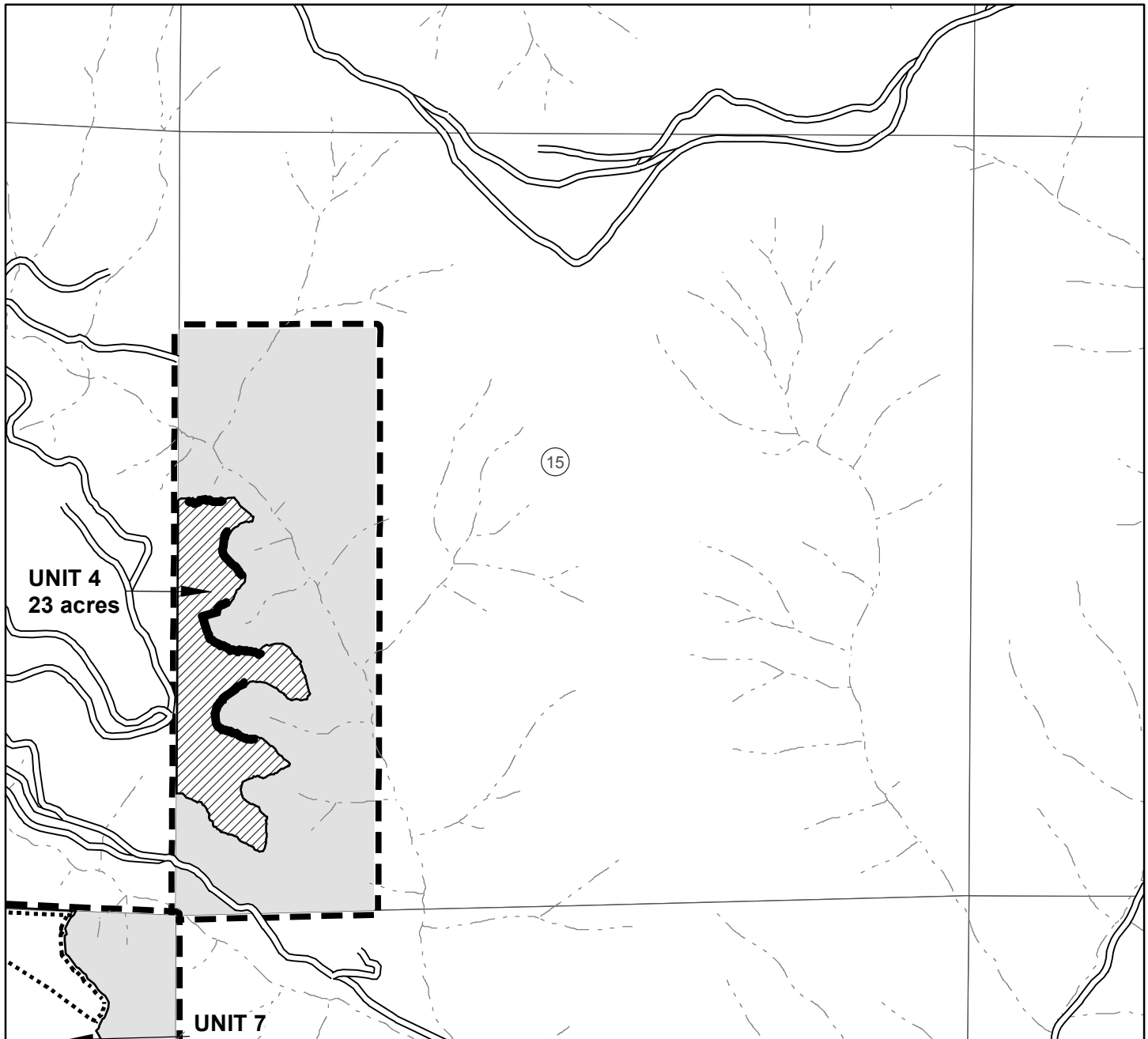


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302



TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302

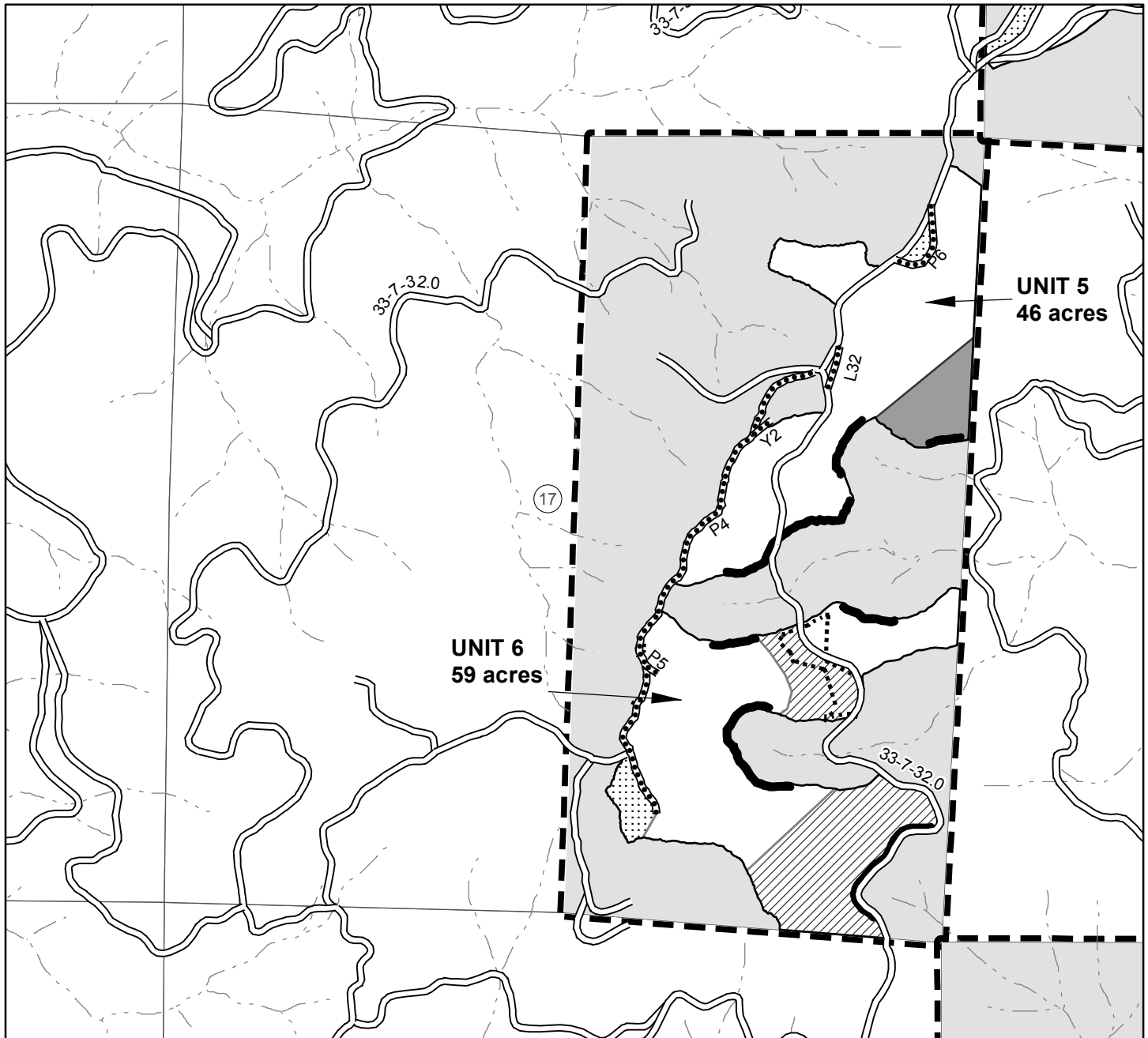


- | | | |
|--|-------------------------------------|----------------------------------|
| Road to be renovated | Salvage Area - Aerial Yarding | Mining Ditch-Black/orange flag'd |
| Road to be constructed | Salvage Area - Ground-Based Yarding | Contour felling required |
| Stream | Salvage Area - Skyline Yarding | Talus (Flagged in white) |
| Existing Roads | Boundary - Cutting Area | Slope Restricted |
| Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark - Aerial Yarding) | Boundary - Contract Area | |
| Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark) | Reserve Area | |

500 0 500 1,000 Feet



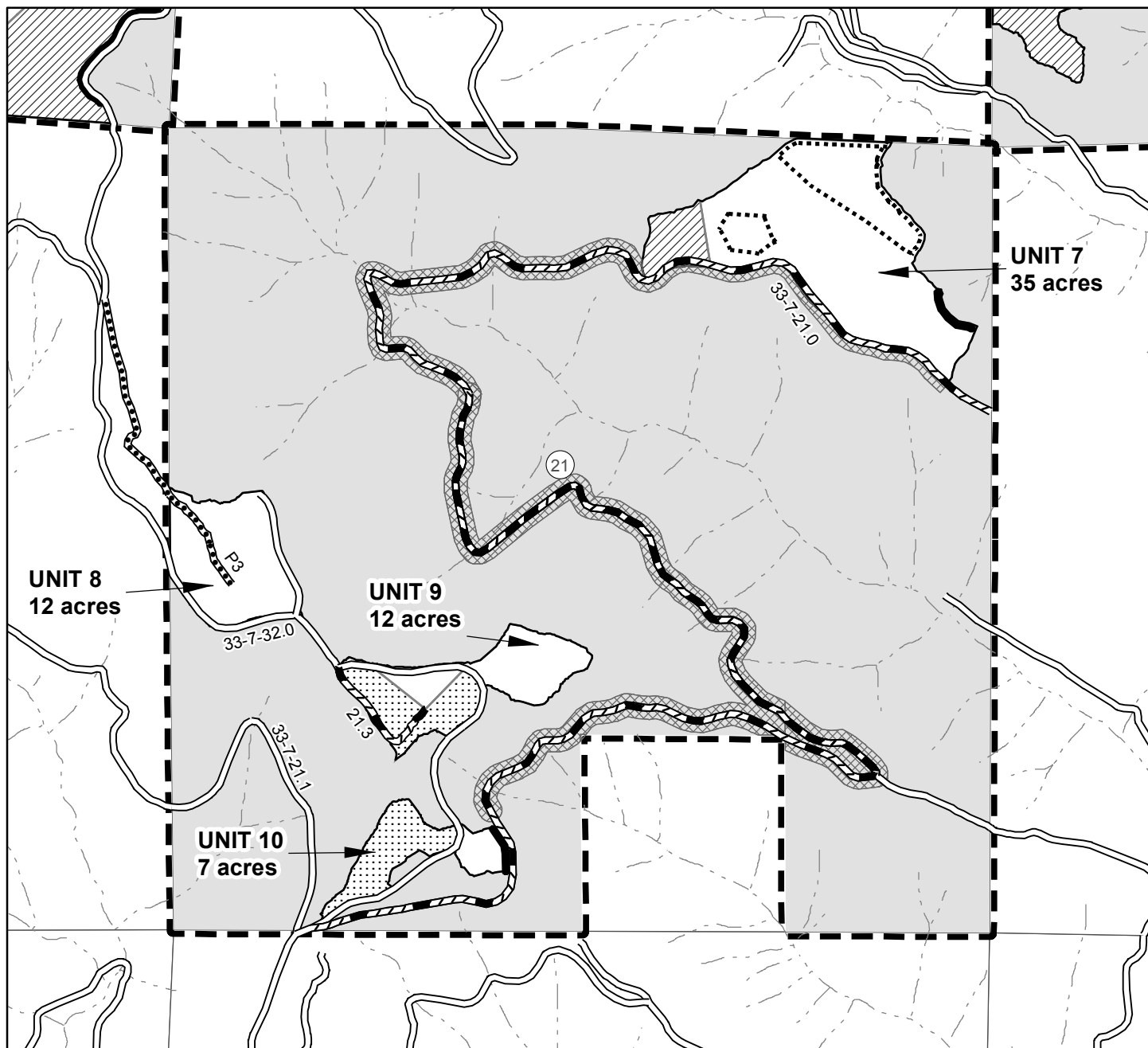
TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302



- | | | |
|--|-------------------------------------|----------------------------------|
| Road to be renovated | Salvage Area - Aerial Yarding | Mining Ditch-Black/orange flag'd |
| Road to be constructed | Salvage Area - Ground-Based Yarding | Contour felling required |
| Stream | Salvage Area - Skyline Yarding | Talus (Flagged in white) |
| Existing Roads | Boundary - Cutting Area | Slope Restricted |
| Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark - Aerial Yarding) | Boundary - Contract Area | |
| Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark) | Reserve Area | |

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

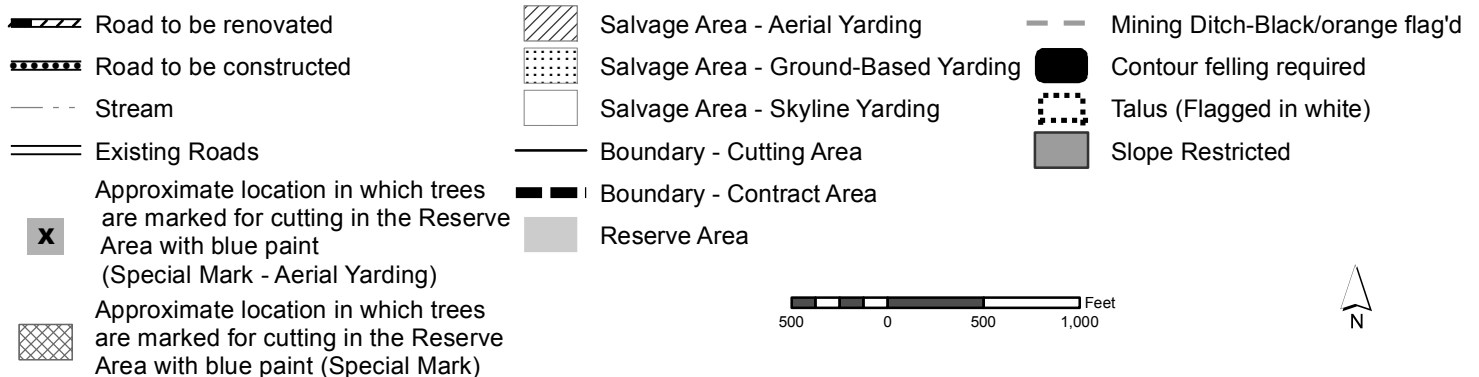
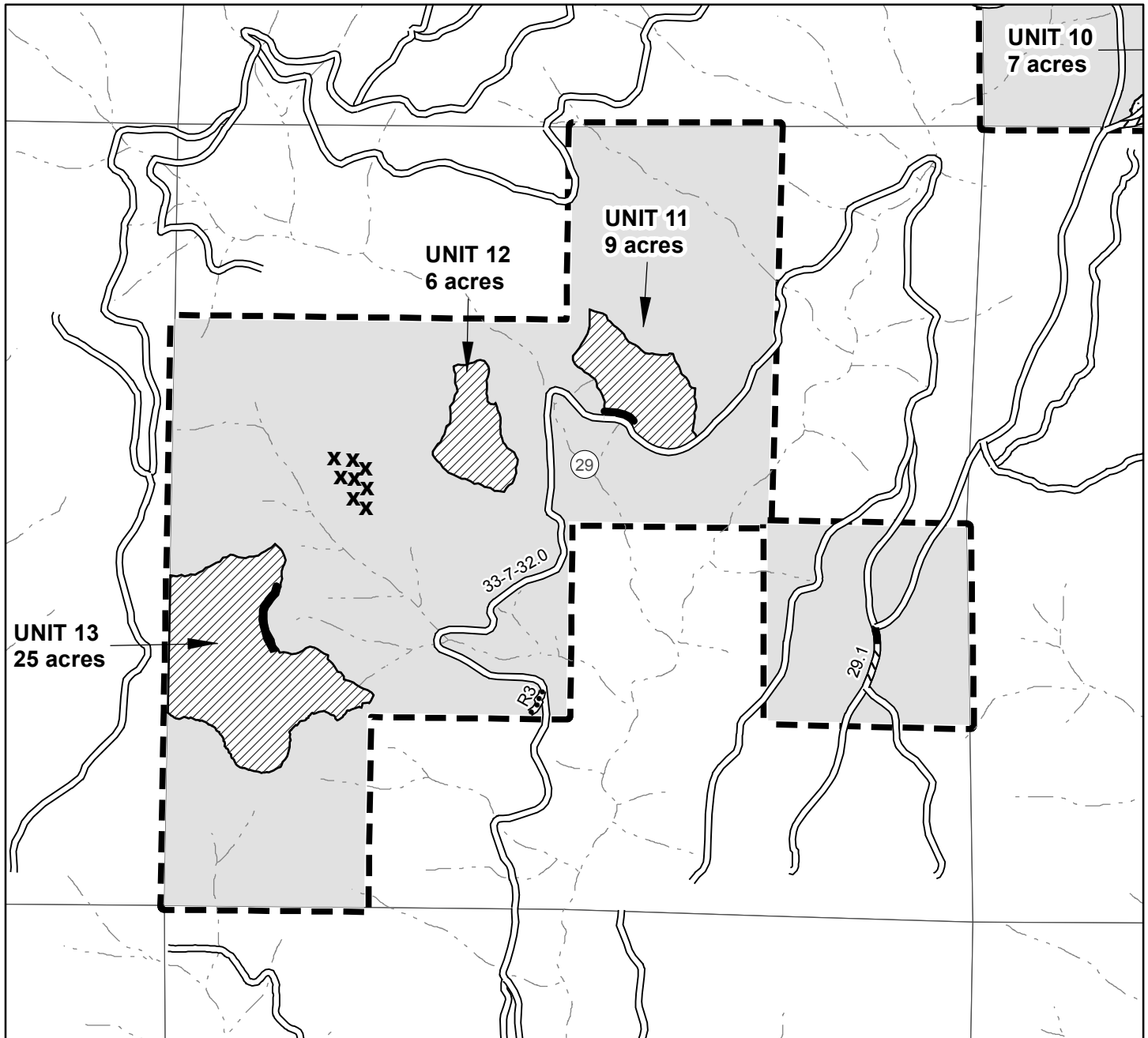
TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302



-
- Legend:**
- Road to be renovated
 - Road to be constructed
 - Stream
 - Existing Roads
 - Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark - Aerial Yarding)
 - Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark)
 - Salvage Area - Aerial Yarding
 - Salvage Area - Ground-Based Yarding
 - Salvage Area - Skyline Yarding
 - Boundary - Cutting Area
 - Boundary - Contract Area
 - Reserve Area
 - Mining Ditch-Black/orange flag'd
 - Contour felling required
 - Talus (Flagged in white)
 - Slope Restricted
- Scale: 500 0 500 1,000 Feet
- North Arrow: N

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

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORM07 -TS-14-12 ADP/SALE #:302



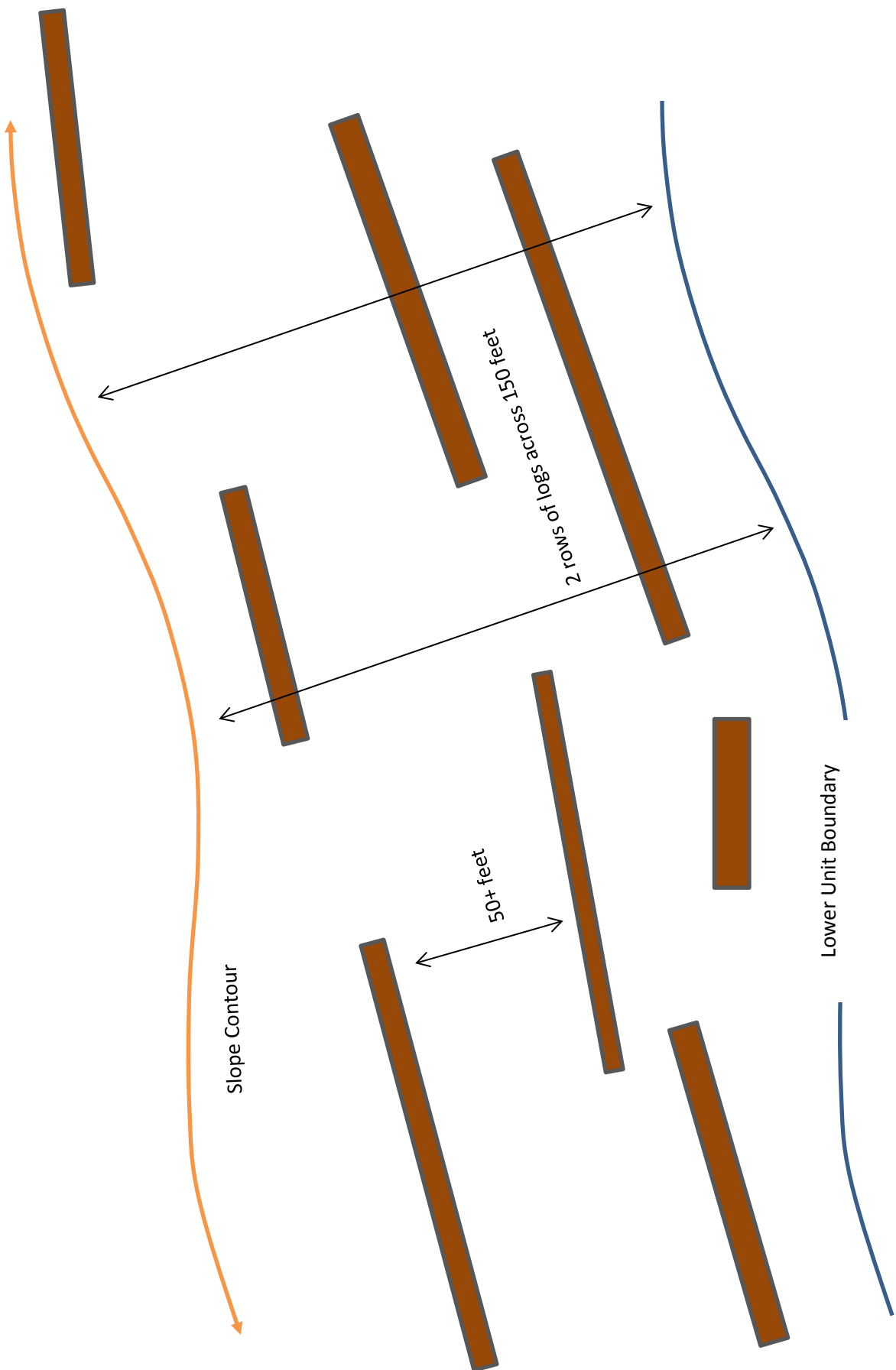
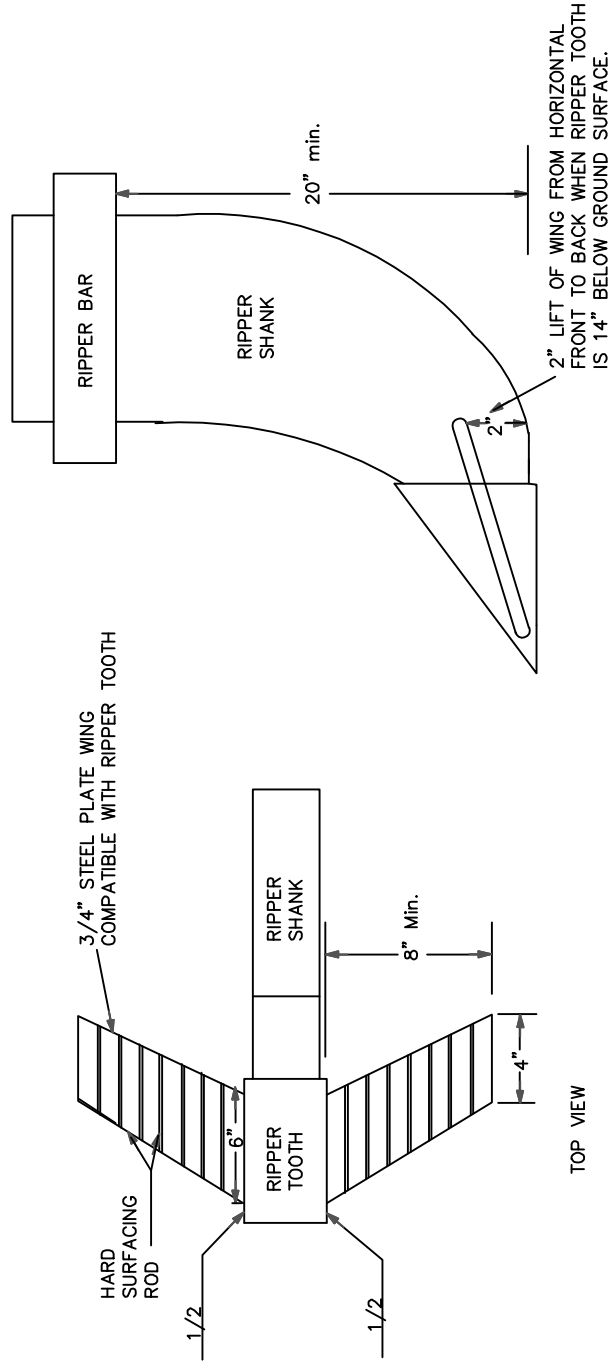


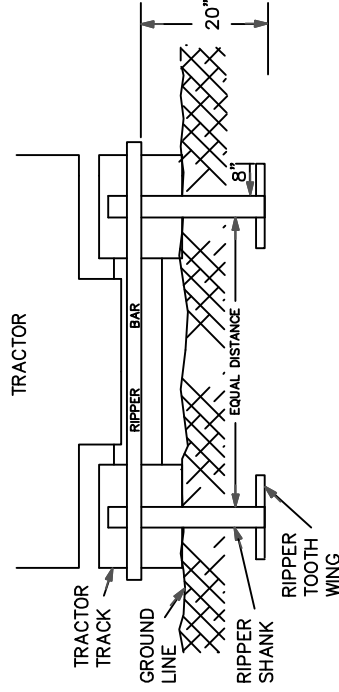
EXHIBIT R

SHEET 1 OF 1



SIDE VIEW

TYPICAL RIPPER POSITION



NOTES: TYPICAL RIPPER TOOTH CONSTRUCTION

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

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

WING RIPPER DETAIL

DESIGNED
REVIEWED
APPROVED

CHECK: BRANCH OF ENGINEERING OR DISTRICT ENGINEER

DRAWN: JWR SCALE: NONE

DATE: October 2009 SHEET 1 OF 1

DRAWING NO.



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

District : Medford
Sale Name : Rockstar
Sale Date : 07/24/2014
Appraisal Method : 16' MBF

Contract # : ORM07-TS-14-12
Job File # : M11302
Master Unit : Josephine
Planning Unit : Grants Pass

Contents

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Prospectus	5
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Stump to Truck Costs	15
Other Allowances Costs	16
Consolidated Comments	17

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

Medford
Rockstar
ORM07-TS-14-12

Legal Description

Forest Type	Township	Range	Section	Subdivision
O&C	33S	7W	3	Lot 6, Lot 7, Lot 8, Lot 9, Lot 10, Lot 11, E1/2SW1/4, NW1/4 SE1/4
O&C	33S	7W	7	N1/2SE1/4, SW1/4SE1/4
O&C	33S	7W	9	N1/2NE1/4, SW1/4NE1/4, NE1/4NW1/4, S1/2NW1/4, N1/2SW1/4, SW1/4SW1/4
O&C	33S	7W	15	SW1/4NW1/4, W1/2SW1/4
O&C	33S	7W	17	NE1/4, SE1/4
O&C	33S	7W	21	NE1/4, NW1/4, SW1/4, N1/2SE1/4, SE1/4SE1/4
O&C	33S	7W	29	W1/2NE1/4, S1/2NW1/4, N1/2SW1/4, SW1/4SW1/4, NE1/4SE1/4

Cutting Volume (16' MBF)

Unit	DF	PP	SP	IC					Total	Regen	Partial	ROW
1	3,067	311	226	29					3,633	133	0	0
2	853	86	64	8					1,011	37	0	0
3	507	52	37	5					601	22	0	0
4	530	54	39	5					628	23	0	0
5	1,061	107	78	10					1,256	46	0	0
6	1,361	138	100	12					1,611	59	0	0
7	807	82	60	7					956	35	0	0
8	277	28	20	3					328	12	0	0
9	277	28	20	3					328	12	0	0
10	161	17	12	1					191	7	0	0
11	207	21	16	2					246	9	0	0
12	138	14	11	1					164	6	0	0
13	577	58	43	5					683	25	0	0
SM	217	80							297	19	0	0
RW	108	32							140	0	0	8
Totals	10,148	1,108	726	91					12,073	445	0	8

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

Medford
Rockstar
ORM07-TS-14-12

Logging Costs per 16' MBF

Stump to Truck	\$	301.42
Transportation	\$	68.92
Road Construction	\$	6.92
Road Amortization	\$	0.00
Road Maintenance	\$	10.58

Other Allowances :

Fuels Treatment	\$ 3.69
Misc	\$ 0.68
Other Costs	\$ 5.48
Total Other Allowances :	\$ 9.84

Total Logging Costs per 16' MBF

\$ 397.68

Utilization Centers

Center #1 : Riddle OR 43 Miles
Center #2 0 Miles
Weighted distance to Utilization Centers 43

Length of Contract

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

Profit & Risk

Total Profit & Risk 11 %
Basic Profit & Risk 8 % + Additional Risk 3 %
Back Off 0 %

Tract Features

Avg Log Douglas-fir : 165 bf All : 178 bf
Recovery Douglas-fir : 77 % All : 78 %
Salvage Douglas-fir : 100 % All : 100 %
Avg Volume (16' MBF per Acre) 27
Avg Yarding Slope 60 %
Avg Yarding Distance (feet) 780
Avg Age 0
Volume Cable 56 %
Volume Ground 6 %
Volume Aerial 38 %
Road Construction Stations 87.90
Road Improvement Stations 0.00
Road Renovation Stations 192.65
Road Decommission Stations 0.00

Cruise

Cruised By Salem District
Date 05/01/2014
Type of Cruise PCMTRE, 100%
County, State Douglas, OR

Net Volume

Green (16' MBF) 0
Salvage (16' MBF) 12,073
Douglas-fir Peeler 0
Export Volume 0
Scaling Allowance (\$0.75 per 16' MBF) \$9,054.75

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Medford
Rockstar
ORM07-TS-14-12

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	19,808	10,148	\$ 547.75	\$ 60.25	\$ 397.68			\$ 89.80	\$ 911,290.40
PP	901	1,108	\$ 217.87	\$ 23.97	\$ 397.68			\$ 21.80	\$ 24,154.40
SP	446	726	\$ 287.00	\$ 31.57	\$ 397.68			\$ 28.70	\$ 20,836.20
IC	186	91	\$ 408.26	\$ 44.91	\$ 397.68			\$ 40.80	\$ 3,712.80
Totals	21,341	12,073							\$ 959,993.80

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				88.0	10.0	2.0
Ponderosa Pine	58.0			38.0	4.0	
Sugar Pine	25.0		9.0	56.0	10.0	
Incense-cedar				87.0	13.0	

Marginal Log Volume

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

Appraised By : Franks, Annie

Date : 06/12/2014

Area Approval By : Caulfield, Dave

Date : 06/12/2014

District Approval By :

Date :

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

Medford
Rockstar
ORM07-TS-14-12

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	19,808	10,148	8,468	15,296
Ponderosa Pine	901	1,108	932	1,541
Sugar Pine	446	726	604	998
Incense-cedar	186	91	72	153
Total	21,341	12,073	10,076	17,988

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
15,537	21,341	728	23.0	15,207	85,607	178

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
85,607	5,455	91,062	4.3	12,073	15,537	78 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
13,126	19,808	662	22.2	12,898	78,064	165

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
78,064	4,581	82,645	4.2	10,148	13,126	77 %

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Medford
Rockstar
ORM07-TS-14-12

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1	133			133
2	37			37
3	22			22
4	23			23
5	46			46
6	59			59
7	35			35
8	12			12
9	12			12
10	7			7
11	9			9
12	6			6
13	25			25
SM	19			19
RW			8	8
Totals :	445		8	453

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

Medford
Rockstar
ORM07-TS-14-12

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	10,148		
Ponderosa Pine	1,108		
Sugar Pine	726		
Incense-cedar	91		
Sale Totals	12,073		

Unit Details (16' MB)

Unit 1 133 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	3,067		
Incense-cedar	29		
Ponderosa Pine	311		
Sugar Pine	226		
Unit Totals	3,633		

Unit 10 7 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	161		
Incense-cedar	1		
Ponderosa Pine	17		
Sugar Pine	12		
Unit Totals	191		

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

Medford
Rockstar
ORM07-TS-14-12

Unit 11 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	207		
Incense-cedar	2		
Ponderosa Pine	21		
Sugar Pine	16		
Unit Totals	246		

Unit 12 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	138		
Incense-cedar	1		
Ponderosa Pine	14		
Sugar Pine	11		
Unit Totals	164		

Unit 13 25 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	577		
Incense-cedar	5		
Ponderosa Pine	58		
Sugar Pine	43		
Unit Totals	683		

Unit 2 37 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	853		
Incense-cedar	8		
Ponderosa Pine	86		
Sugar Pine	64		
Unit Totals	1,011		

Unit 3 22 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	507		
Incense-cedar	5		
Ponderosa Pine	52		
Sugar Pine	37		
Unit Totals	601		

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

Medford
Rockstar
ORM07-TS-14-12

Unit 4 23 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	530		
Incense-cedar	5		
Ponderosa Pine	54		
Sugar Pine	39		
Unit Totals	628		

Unit 5 46 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	1,061		
Incense-cedar	10		
Ponderosa Pine	107		
Sugar Pine	78		
Unit Totals	1,256		

Unit 6 59 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	1,361		
Incense-cedar	12		
Ponderosa Pine	138		
Sugar Pine	100		
Unit Totals	1,611		

Unit 7 35 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	807		
Incense-cedar	7		
Ponderosa Pine	82		
Sugar Pine	60		
Unit Totals	956		

Unit 8 12 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	277		
Incense-cedar	3		
Ponderosa Pine	28		
Sugar Pine	20		
Unit Totals	328		

**UNITED STATES
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Medford
Rockstar
ORM07-TS-14-12

Unit 9 12 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	277		
Incense-cedar	3		
Ponderosa Pine	28		
Sugar Pine	20		
Unit Totals	328		

Unit RW 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	108		
Ponderosa Pine	32		
Unit Totals	140		

Unit SM 19 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	217		
Ponderosa Pine	80		
Unit Totals	297		

**UNITED STATES
DEPARTMENT OF THE INTERIOR
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Volume Summary**

Medford
Rockstar
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Sale Volume Totals

453 Acres 445 Regen 0 Partial 8 R/W 15 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	19,808	78,064	4,581	10,148	12,898	13,126	8,468	10,712	10,920	15,296	19,612	20,026
Ponderosa Pine	901	3,998	545	1,108	1,356	1,432	932	1,137	1,206	1,541	1,889	2,021
Sugar Pine	446	2,830	291	726	838	852	604	699	714	998	1,149	1,189
Incense-cedar	186	715	38	91	115	127	72	91	102	153	191	212
Totals	21,341	85,607	5,455	12,073	15,207	15,537	10,076	12,639	12,942	17,988	22,841	23,448

Unit Totals

Unit : 1 133 Acres 133 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	5,876	23,421	1,361	3,964	3,896	3,067
Ponderosa Pine	227	1,066	150	404	381	311
Sugar Pine	139	883	90	266	261	226
Incense-cedar	58	223	12	40	36	29
Unit Totals	6,300	25,593	1,613	4,674	4,574	3,633

Unit : 2 37 Acres 37 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,635	6,516	379	1,103	1,084	853
Ponderosa Pine	64	297	41	112	106	86
Sugar Pine	39	246	25	74	73	64
Incense-cedar	16	62	3	11	10	8
Unit Totals	1,754	7,121	448	1,300	1,273	1,011

Unit : 3 22 Acres 22 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	972	3,874	225	655	644	507
Ponderosa Pine	37	176	25	67	64	52
Sugar Pine	23	146	15	44	43	37
Incense-cedar	10	37	2	7	6	5
Unit Totals	1,042	4,233	267	773	757	601

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Unit : 4 23 Acres 23 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,016	4,050	235	686	674	530
Ponderosa Pine	39	184	26	70	66	54
Sugar Pine	24	153	16	46	45	39
Incense-cedar	10	39	2	6	6	5
Unit Totals	1,089	4,426	279	808	791	628

Unit : 5 46 Acres 46 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	2,032	8,101	471	1,371	1,348	1,061
Ponderosa Pine	79	369	52	139	132	107
Sugar Pine	48	305	31	92	90	78
Incense-cedar	20	77	4	14	12	10
Unit Totals	2,179	8,852	558	1,616	1,582	1,256

Unit : 6 59 Acres 59 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	2,607	10,390	604	1,759	1,728	1,361
Ponderosa Pine	102	473	67	179	169	138
Sugar Pine	62	392	40	118	116	100
Incense-cedar	26	99	5	17	16	12
Unit Totals	2,797	11,354	716	2,073	2,029	1,611

Unit : 7 35 Acres 35 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,546	6,163	358	1,043	1,025	807
Ponderosa Pine	60	280	40	106	100	82
Sugar Pine	37	232	24	70	69	60
Incense-cedar	15	59	3	11	10	7
Unit Totals	1,658	6,734	425	1,230	1,204	956

Unit : 8 12 Acres 12 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	530	2,113	123	358	352	277
Ponderosa Pine	21	96	14	37	34	28
Sugar Pine	13	80	9	24	24	20
Incense-cedar	5	20	1	3	3	3

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Unit Totals	569	2,309	147	422	413	328
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Unit : 9 12 Acres 12 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	530	2,113	123	358	352	277
Ponderosa Pine	21	96	14	37	34	28
Sugar Pine	13	80	9	24	24	20
Incense-cedar	5	20	1	3	3	3
Unit Totals	569	2,309	147	422	413	328

Unit : 10 7 Acres 7 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	309	1,233	72	209	205	161
Ponderosa Pine	12	56	8	21	20	17
Sugar Pine	7	47	5	14	14	12
Incense-cedar	3	12	1	2	2	1
Unit Totals	331	1,348	86	246	241	191

Unit : 11 9 Acres 9 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	398	1,585	92	268	264	207
Ponderosa Pine	15	72	10	27	26	21
Sugar Pine	9	60	6	18	18	16
Incense-cedar	4	15	1	3	2	2
Unit Totals	426	1,732	109	316	310	246

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

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	265	1,057	61	179	176	138
Ponderosa Pine	10	48	7	18	16	14
Sugar Pine	6	40	4	12	12	11
Incense-cedar	3	10	1	2	2	1
Unit Totals	284	1,155	73	211	206	164

Unit : 13 25 Acres 25 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,104	4,402	256	745	732	577
Ponderosa Pine	43	201	29	76	72	58

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Sugar Pine	26	166	17	50	49	43
Incense-cedar	11	42	2	8	7	5
Unit Totals	1,184	4,811	304	879	860	683

Unit : SM 19 Acres 19 Regen 0 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	452	1,500	139	292	284	217
Ponderosa Pine	98	359	47	101	100	80
Unit Totals	550	1,859	186	393	384	297

Unit : RW 8 Acres 0 Regen 0 Partial 8 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	536	1,546	82	136	134	108
Ponderosa Pine	73	225	15	38	36	32
Unit Totals	609	1,771	97	174	170	140

**UNITED STATES
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Medford
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Stump to Truck Costs

Total (16' MBF)

Total Stump to Truck Costs	Net Volume	Cost / Net Volume
\$ 3,638,995.29	12,073	\$ 301.42

Detail

Yarding & Loading

Yarding System	Unit Of Measure	Units	Cost / Unit	Total Cost
Track Skidder	G.M. MBF	912	\$ 120.42	\$ 109,823.04
Med Twr=40-70	G.M. MBF	8,516	\$ 153.58	\$ 1,307,887.28
Helicopter	G.M. MBF	5,779	\$ 369.79	\$ 2,137,016.41
Subtotal				\$ 3,554,726.73

Other Costs

Explanation	Unit Of Measure	Units	Cost / Unit	Total Cost
Med Twr YUM yard HW	GM MBF	612	\$ 102.38	\$ 62,656.56
Directional falling	GM MBF	1,207	\$ 6.00	\$ 7,242.00
Subtotal				\$ 69,898.56

Additional Move-Ins

Equipment	# Move-In	Cost / Move In	Total Cost
Yarder / Loader	54	\$ 150.00	\$ 8,100.00
Skidder	36	\$ 110.00	\$ 3,960.00
Delimber	21	\$ 110.00	\$ 2,310.00
Subtotal			\$ 14,370.00

**UNITED STATES
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Other Allowances Costs

Total (16' MBF)

Total Other Allowances Costs	Net Volume	Cost / Net Volume *	Total Buy Out Cost
\$118,788.00	12,073	\$9.84	\$0.00

Fuels Treatment

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Hand Pile, Cvr - Level 2	\$ 20,720.00	\$ 1.72	N	\$ 0.00
Hand Pile Brn-Level 2	\$ 2,240.00	\$ 0.19	N	\$ 0.00
Lop and Scatter-Lvl 2	\$ 21,540.00	\$ 1.78	N	\$ 0.00
Subtotal	\$ 44,500.00	\$ 3.69		\$ 0.00

Misc

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Cut Planting Holes	\$ 2,925.00	\$ 0.24	N	\$ 0.00
Cover landing decks	\$ 1,190.00	\$ 0.10	N	\$ 0.00
Burn landing decks	\$ 1,190.00	\$ 0.10	N	\$ 0.00
Winterize corridors	\$ 2,848.00	\$ 0.24	N	\$ 0.00
Subtotal	\$ 8,153.00	\$ 0.68		\$ 0.00

Other Costs

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Equipment Washing	\$ 2,960.00	\$ 0.25	N	\$ 0.00
Flaggers (2)	\$ 17,280.00	\$ 1.43	N	\$ 0.00
Hand Seeding @ 17 lb seed per hour	\$ 8,580.00	\$ 0.71	N	\$ 0.00
Waterbar Skids	\$ 1,200.00	\$ 0.10	N	\$ 0.00
Lift Tree	\$ 1,500.00	\$ 0.12	N	\$ 0.00
Ripping	\$ 8,715.00	\$ 0.72	N	\$ 0.00
Equipment Washing	\$ 2,500.00	\$ 0.21	N	\$ 0.00
Mulching (2 hours/5 bales)	\$ 23,400.00	\$ 1.94	N	\$ 0.00
Subtotal	\$ 66,135.00	\$ 5.48		\$ 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
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BUREAU OF LAND MANAGEMENT
Consolidated Comments**

Medford
Rockstar
ORM07-TS-14-12

General

Fire Salvage Sale
Old growth Douglas-fir pricing.
No volume removed for leave tree/snag retention
Code #1 in Sugar Pine and Ponderosa Pine is blue stain

Yarding & Loading

OTHER YARD & LOADING COSTS:
Med Twr YUM yard HW: Additional cost allowance to YUM yard hardwood (HW), estimate HW volume 612 GMMBF
Directional falling: Includes additional cost for contour falling
ADDITIONAL MOVE-INS:
Yarder/Loader: Estimate 36 total hours to move yarder (12 hours) and loader (42 hours - 12 hours for cable side, 12 hours for tractor side, 9 for helicopter side) @ \$150/hour
Skidder: Estimate 36 hours to move skidder/dozer @ \$110/hour (Cable side 12 hours, tractor side 24 hours)
Delimber: Estimate 21 total hours to move delimber/processor @\$110/hour (cable side 12 hours, helicopter side 9 hours)

Road Costs

(see Engineering Appraisal for details).

Transportation

-current haul cost \$75 per hr.
-logs going 43 miles to Riddle OR
-197 minutes round trip @ \$75/hr = \$246.25 per trip
-4.5 MBF per load (\$225 / 4.5 = \$54.72 per MBF)
-used gross merch. volume 15207MBF

(see Transportation appendix for details).

Other Allowances

-2 flaggers (\$18/hr each flagger for a total of \$36/hour) for 6 weeks(6 X 40 = 240 hr. per flagger)(2 X 240 = 480 hours total)
-Equipment washing: \$370/piece for Yarder and loader, one additional move in added to washing (cable side yarder and loader, Tractor side loader, helicopter side loader)
-Equipment washing: \$250/piece for skidder/tractor and processor, one additional move in added to washing (Cable side processor and tractor, tractor side 2 tractors, helicopter side processor)
-Ripping: Estimate no more than 21 acres of ripping (skid trails and landings)
-Seed: Estimate no more than 39 acres of seeding (ripped areas plus additional landings)
-Mulch: Estimate no more than 39 acres of mulch (ripped areas plus additional landings)
-Waterbar Skids: Estimate no more than 16 hours to waterbar skids
-Winterize Corridors: Estimate no more than 178 hours to winterize corridors

Prospectus

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of All Roads and Projects

Updated: 5/1/2013

T.S. Contract Name: Rockstar Timber Sale Tract No: ORM07 Sale Date: 7/24/14

Prepared by: Rutkowski Ph: 5035896851 Print Date: 5/30/2014 7:16:20 AM

Construction: 87.90 sta

Improve: 0.00 sta Renov: 192.65 sta Decom: 0.00 sta Temp: 0.00 sta

200 Clearing and Grubbing: 7.6 acres	\$21,775.65
Clearing: 106.5 sta Grubbing: 7.6 acres	
Slash Treatment: 7.6 acres	
300 Excavation: 14,059 cy	\$44,097.89
Haul: 24,310 sta-yds	
400 Drainage:	\$1,162.56
Culvert: 0 lf wt = 0 lbs	
DownSpout: 0 lf	
PolyPipe: 48 lf	
500 Renovation:	\$8,265.69
Blading 3.62 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 9.0 acres	\$3,507.95
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 6.7 acres	\$1,909.41
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$2,884.00 Surf. \$0.00.....	\$2,884.00
Quarry Development:	\$0.00

Total: 12,073 mbf @ \$6.925/mbf = \$83,603.15

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

File \\blm\dfs\or\sa\loc\MarysPeak\mpkCentral\Engineering\RoadCostAppraisals\Rockstar.mdb

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: 33-7-03.01 Road Name:

Road Renovation: 0.15 mi 16 ft Subgrade 1 ft ditch 5/1/2013

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:	\$338.90
Blading 0.15 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: 0.3 acres	\$83.50
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$15.09 Surf. \$0.00.....	\$15.09
Quarry Development:	\$0.00

Total: \$437.49

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-03.01 Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$519.72/\text{mi} \times 0.15 \text{ mi} = \77.96

Pull Ditches: $\$140.38/\text{mi} \times 0.15 \text{ mi} = \21.06

Compaction: $\$1329.15/\text{mi} \times 0.15 \text{ mi} = \199.37

Clean Culverts: $\$270.05/\text{mi} \times 0.15 \text{ mi} = \40.51

Subtotal: \$338.90

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 8ft. Right: 8ft.

RoadSide Brushing Light: $\$278.34/\text{acre} \times 0.30 \text{ acres} = \83.50

Subtotal: \$83.50

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 0.52% of total Costs = \$15.09

surfacing = 0% \$0.00

Subtotal: \$15.09

Quarry Development:

Subtotal: \$0.00

Total: \$437.49

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: 33-7-21.00 Road Name:

Road Renovation: 2.98 mi 16 ft Subgrade 1 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$6,732.71
Blading 2.98 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: 5.8 acres	\$1,614.37
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$298.23 Surf. \$0.00.....	\$298.23
Quarry Development:	\$0.00
Total:	\$8,645.32

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-21.00 Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$519.72/\text{mi} \times 2.98 \text{ mi} = \$1,548.77$

Pull Ditches: $\$140.38/\text{mi} \times 2.98 \text{ mi} = \418.33

Compaction: $\$1329.15/\text{mi} \times 2.98 \text{ mi} = \$3,960.87$

Clean Culverts: $\$270.05/\text{mi} \times 2.98 \text{ mi} = \804.75

Subtotal: \$6,732.71

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 8ft. Right: 8ft.

RoadSide Brushing Light: $\$278.34/\text{acre} \times 5.80 \text{ acres} = \$1,614.37$

Subtotal: \$1,614.37

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 10.34% of total Costs = \$298.23

surfacing = 0% \$0.00

Subtotal: \$298.23

Quarry Development:

Subtotal: \$0.00

Total: \$8,645.32

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: 33-7-21.03 Road Name:

Road Renovation: 0.19 mi 16 ft Subgrade 1 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.2 acres	\$307.98
Clearing:5.5 sta Grubbing:0.2 acres	
Slash Treatment:0.2 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:	\$474.84
Blading 0.19 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 1.0 acres	\$389.77
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.2 acres	\$55.67
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$43.88 Surf. \$0.00.....	\$43.88
Quarry Development:	\$0.00

Total: \$1,272.15

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-21.03 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Light: $\$15.28/\text{sta} \times 5.50 \text{ sta} = \84.04

Grubbing - Light: $\$395.63/\text{acre} \times 0.20 \text{ acres} = \79.13

Scatter: $\$724.08/\text{acre} \times 0.20 \text{ acres} = \144.82

Subtotal: \$307.98

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$519.72/\text{mi} \times 0.19 \text{ mi} = \98.75

Scarification: $\$866.20/\text{mi} \times 0.10 \text{ mi} = \86.62

Pull Ditches: $\$140.38/\text{mi} \times 0.09 \text{ mi} = \12.63

Compaction: $\$1329.15/\text{mi} \times 0.19 \text{ mi} = \252.54

Clean Culverts: $\$270.05/\text{mi} \times 0.09 \text{ mi} = \24.30

Subtotal: \$474.84

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$389.77/\text{acre} \times 1.00 \text{ acres} = \389.77

Includes Small Quantity Factor of 1.06

Subtotal: \$389.77

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 8ft. Right: 8ft.

RoadSide Brushing Light: $\$278.34/\text{acre} \times 0.20 \text{ acres} = \55.67

Subtotal: \$55.67

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 1.52% of total Costs = \$43.88

surfacing = 0% \$0.00

Road Number: 33-7-21.03 Continued

Subtotal: \$43.88

Quarry Development:

Subtotal: \$0.00

Total: \$1,272.15

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: 33-7-29.01 Road Name:

Road Renovation: 0.11 mi 16 ft Subgrade 1 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.5 acres	\$1,157.09
Clearing:5.8 sta Grubbing:0.5 acres	
Slash Treatment:0.5 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:	\$203.38
Blading 0.11 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 1.0 acres	\$389.77
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.2 acres	\$111.34
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$66.51 Surf. \$0.00.....	\$66.51
Quarry Development:	\$0.00

Total: \$1,928.09

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-29.01 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Light: $\$15.28/\text{sta} \times 5.81 \text{ sta} = \88.78

Grubbing - Heavy: $\$1598.35/\text{acre} \times 0.46 \text{ acres} = \735.24

Scatter: $\$724.08/\text{acre} \times 0.46 \text{ acres} = \333.08

Subtotal: \$1,157.09

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$519.72/\text{mi} \times 0.11 \text{ mi} = \57.17

Compaction: $\$1329.15/\text{mi} \times 0.11 \text{ mi} = \146.21

Subtotal: \$203.38

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$389.77/\text{acre} \times 1.00 \text{ acres} = \389.77

Includes Small Quantity Factor of 1.06

Subtotal: \$389.77

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

RoadSide Brushing Medium: $\$556.68/\text{acre} \times 0.20 \text{ acres} = \111.34

Subtotal: \$111.34

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 2.31% of total Costs = \$66.51

surfacing = 0% \$0.00

Subtotal: \$66.51

Quarry Development:

Subtotal: \$0.00

Road Number: 33-7-29.01 Continued

Total: \$1,928.09

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: L32 Road Name: Phils Landing

Road Construction: 0.07 mi 16 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.2 acres	\$717.31
Clearing:3.6 sta Grubbing:0.2 acres	
Slash Treatment:0.2 acres	
300 Excavation:	\$1,715.27
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.2 acres	\$77.95
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$89.70 Surf. \$0.00.....	\$89.70
Quarry Development:	\$0.00
Total:	\$2,600.23

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: L32 Road Name: Phils Landing

Section 200 Clearing and Grubbing:

Clearing - Heavy: $\$45.05/\text{sta} \times 3.55 \text{ sta} = \159.93

Grubbing - Heavy: $\$1598.35/\text{acre} \times 0.24 \text{ acres} = \383.60

Scatter: $\$724.08/\text{acre} \times 0.24 \text{ acres} = \173.78

Subtotal: \$717.31

Section 300 Excavation:

Comment: Place 1630 cy here for roadside landing, hauled from P4.

Layer Embankment - Common: $\$0.24/\text{cy} \times 1,630 \text{ cy} = \391.20

Subgrade Compaction: 6 Sta/hr $\$12.59/\text{sta.} \times 3.6 \text{ sta} = \44.69

Compaction - Common: $\$0.76/\text{cy} \times 1,630 \text{ cy} = \$1,238.80$

Blading: $\$11.43/\text{station} \times 3.55 \text{ stations} = \40.58

Subtotal: \$1,715.27

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$389.77/\text{acre} \times 0.20 \text{ acres} = \77.95

Includes Small Quantity Factor of 1.06

Subtotal: \$77.95

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 3.11% of total Costs = \$89.70

surfacing = 0% \$0.00

Subtotal: \$89.70

Road Number: L32 Phils Landing Continued

Quarry Development:

Subtotal: \$0.00

Total: \$2,600.23

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: P3 Road Name:

Road Construction: 0.25 mi 14 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.9 acres	\$2,678.09
Clearing:13.1 sta Grubbing:0.9 acres	
Slash Treatment:0.9 acres	
300 Excavation: 860 cy	\$2,652.66
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.9 acres	\$350.80
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$202.99 Surf. \$0.00.....	\$202.99
Quarry Development:	\$0.00
Total:	\$5,884.54

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: P3 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: \$45.05/sta x 13.05 sta = \$587.90

Grubbing - Heavy: \$1598.35/acre x 0.90 acres = \$1,438.52

Scatter: \$724.08/acre x 0.90 acres = \$651.67

Subtotal: \$2,678.09

Section 300 Excavation:

Excavation - Common: \$1.72/cy x 860 cy = \$1,479.20

Layer Embankment - Common: \$0.24/cy x 860 cy = \$206.40

Subgrade Compaction: 6 Sta/hr \$12.59/sta. x 13.1 sta = \$164.30

Compaction - Common: \$0.76/cy x 860 cy = \$653.60

Blading: \$11.43/station x 13.05 stations = \$149.16

Subtotal: \$2,652.66

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$389.77/acre x 0.90 acres = \$350.80

Includes Small Quantity Factor of 1.06

Subtotal: \$350.80

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 7.04% of total Costs = \$202.99

surfacing = 0% \$0.00

Subtotal: \$202.99

Road Number: P3 Continued

Quarry Development:

Subtotal: \$0.00

Total: \$5,884.54

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: P4 Road Name:

Road Construction: 0.67 mi 14 ft Subgrade 1 ft ditch 5/1/2013

200 Clearing and Grubbing: 2.5 acres	\$7,293.73
Clearing:35.6 sta Grubbing:2.5 acres	
Slash Treatment:2.5 acres	
300 Excavation: 4,580 cy	\$13,437.71
Haul: 13,750 sta-yds	
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 2.5 acres	\$974.43
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$775.53 Surf. \$0.00.....	\$775.53
Quarry Development:	\$0.00

Total: \$22,481.40

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: P4 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: \$45.05/sta x 35.60 sta = \$1,603.78

Grubbing - Heavy: \$1598.35/acre x 2.45 acres = \$3,915.96

Scatter: \$724.08/acre x 2.45 acres = \$1,774.00

Subtotal: \$7,293.73

Section 300 Excavation:

Comment: End haul 1630 cy to L32, and 170 cy to P7, from 0+00-6+00.

Excavation - Common: \$1.72/cy x 4,580 cy = \$7,877.60

Layer Embankment - Common: \$0.24/cy x 2,780 cy = \$667.20

Subgrade Compaction: 6 Sta/hr \$12.59/sta. x 35.6 sta = \$448.20

Compaction - Common: \$0.76/cy x 2,780 cy = \$2,112.80

End Hauling - 100 to 500 ft: \$0.14/sta-yd x 13,750 sta-yd = \$1,925.00

Blading: \$11.43/station x 35.60 stations = \$406.91

Subtotal: \$13,437.71

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$389.77/acre x 2.50 acres = \$974.43

Includes Small Quantity Factor of 1.06

Subtotal: \$974.43

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 26.89% of total Costs = \$775.53

surfacing = 0% \$0.00

Road Number: P4 Continued

Subtotal: \$775.53

Quarry Development:

Subtotal: \$0.00

Total: \$22,481.40

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: P5 Road Name:

Road Construction: 0.02 mi 14 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.1 acres	\$207.62
Clearing:1.0 sta Grubbing:0.1 acres	
Slash Treatment:0.1 acres	
300 Excavation: 190 cy	\$540.82
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$38.98
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$28.13 Surf. \$0.00.....	\$28.13
Quarry Development:	\$0.00
Total:	\$815.55

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: P5 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: \$45.05/sta x 1.00 sta = \$45.05

Grubbing - Heavy: \$1598.35/acre x 0.07 acres = \$111.88

Scatter: \$724.08/acre x 0.07 acres = \$50.69

Subtotal: \$207.62

Section 300 Excavation:

Excavation - Common: \$1.72/cy x 190 cy = \$326.80

Layer Embankment - Common: \$0.24/cy x 190 cy = \$45.60

Subgrade Compaction: 6 Sta/hr \$12.59/sta. x 1.0 sta = \$12.59

Compaction - Common: \$0.76/cy x 190 cy = \$144.40

Blading: \$11.43/station x 1.00 stations = \$11.43

Subtotal: \$540.82

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$389.77/acre x 0.10 acres = \$38.98

Includes Small Quantity Factor of 1.06

Subtotal: \$38.98

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 0.98% of total Costs = \$28.13

surfacing = 0% \$0.00

Subtotal: \$28.13

Road Number: P5 Continued

Quarry Development:

Subtotal: \$0.00

Total: \$815.55

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: P6 Road Name:

Road Construction: 0.15 mi 14 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.6 acres	\$1,637.74
Clearing:8.0 sta Grubbing:0.6 acres	
Slash Treatment:0.6 acres	
300 Excavation: 460 cy	\$1,443.36
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.6 acres	\$233.86
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$118.44 Surf. \$0.00.....	\$118.44
Quarry Development:	\$0.00
Total:	\$3,433.40

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: P6 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: \$45.05/sta x 8.00 sta = \$360.40

Grubbing - Heavy: \$1598.35/acre x 0.55 acres = \$879.09

Scatter: \$724.08/acre x 0.55 acres = \$398.24

Subtotal: \$1,637.74

Section 300 Excavation:

Excavation - Common: \$1.72/cy x 460 cy = \$791.20

Layer Embankment - Common: \$0.24/cy x 460 cy = \$110.40

Subgrade Compaction: 6 Sta/hr \$12.59/sta. x 8.0 sta = \$100.72

Compaction - Common: \$0.76/cy x 460 cy = \$349.60

Blading: \$11.43/station x 8.00 stations = \$91.44

Subtotal: \$1,443.36

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$389.77/acre x 0.60 acres = \$233.86

Includes Small Quantity Factor of 1.06

Subtotal: \$233.86

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 4.11% of total Costs = \$118.44

surfacing = 0% \$0.00

Subtotal: \$118.44

Road Number: P6 Continued

Quarry Development:

Subtotal: \$0.00

Total: \$3,433.40

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: P7 Road Name:

Road Construction: 0.04 mi 14 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.1 acres	\$389.76
Clearing:2.0 sta Grubbing:0.1 acres	
Slash Treatment:0.1 acres	
300 Excavation: 100 cy	\$488.84
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$38.98
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$32.78 Surf. \$0.00.....	\$32.78
Quarry Development:	\$0.00
Total:	\$950.36

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: P7 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: $\$45.05/\text{sta} \times 1.95 \text{ sta} = \87.85

Grubbing - Heavy: $\$1598.35/\text{acre} \times 0.13 \text{ acres} = \207.79

Scatter: $\$724.08/\text{acre} \times 0.13 \text{ acres} = \94.13

Subtotal: \$389.76

Section 300 Excavation:

Excavation - Common: $\$1.72/\text{cy} \times 100 \text{ cy} = \172.00

Layer Embankment - Common: $\$0.24/\text{cy} \times 270 \text{ cy} = \64.80

Subgrade Compaction: 6 Sta/hr $\$12.59/\text{sta.} \times 2.0 \text{ sta} = \24.55

Compaction - Common: $\$0.76/\text{cy} \times 270 \text{ cy} = \205.20

Blading: $\$11.43/\text{station} \times 1.95 \text{ stations} = \22.29

Subtotal: \$488.84

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$389.77/\text{acre} \times 0.10 \text{ acres} = \38.98

Includes Small Quantity Factor of 1.06

Subtotal: \$38.98

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 1.14% of total Costs = \$32.78

surfacing = 0% \$0.00

Subtotal: \$32.78

Road Number: P7 Continued

Quarry Development:

Subtotal: \$0.00

Total: \$950.36

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: P8 Road Name:

Road Construction: 0.16 mi 14 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.6 acres	\$1,669.97
Clearing:8.2 sta Grubbing:0.6 acres	
Slash Treatment:0.6 acres	
300 Excavation: 1,305 cy	\$3,746.56
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.6 acres	\$233.86
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$201.88 Surf. \$0.00.....	\$201.88
Quarry Development:	\$0.00
Total:	\$5,852.28

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: P8 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: \$45.05/sta x 8.20 sta = \$369.41

Grubbing - Heavy: \$1598.35/acre x 0.56 acres = \$895.08

Scatter: \$724.08/acre x 0.56 acres = \$405.48

Subtotal: \$1,669.97

Section 300 Excavation:

Excavation - Common: \$1.72/cy x 1,305 cy = \$2,244.60

Layer Embankment - Common: \$0.24/cy x 1,305 cy = \$313.20

Subgrade Compaction: 6 Sta/hr \$12.59/sta. x 8.2 sta = \$103.24

Compaction - Common: \$0.76/cy x 1,305 cy = \$991.80

Blading: \$11.43/station x 8.20 stations = \$93.73

Subtotal: \$3,746.56

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$389.77/acre x 0.60 acres = \$233.86

Includes Small Quantity Factor of 1.06

Subtotal: \$233.86

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 7.00% of total Costs = \$201.88

surfacing = 0% \$0.00

Subtotal: \$201.88

Road Number: P8 Continued

Quarry Development:

Subtotal: \$0.00

Total: \$5,852.28

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: P9 Road Name:

Road Construction: 0.21 mi 14 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.8 acres	\$2,235.12
Clearing:11.0 sta Grubbing:0.8 acres	
Slash Treatment:0.8 acres	
300 Excavation: 1,800 cy	\$5,159.02
400 Drainage:	\$1,162.56
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 48 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.8 acres	\$311.82
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$316.86 Surf. \$0.00.....	\$316.86
Quarry Development:	\$0.00
Total:	\$9,185.38

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: P9 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: \$45.05/sta x 10.95 sta = \$493.30

Grubbing - Heavy: \$1598.35/acre x 0.75 acres = \$1,198.76

Scatter: \$724.08/acre x 0.75 acres = \$543.06

Subtotal: \$2,235.12

Section 300 Excavation:

Excavation - Common: \$1.72/cy x 1,800 cy = \$3,096.00

Layer Embankment - Common: \$0.24/cy x 1,800 cy = \$432.00

Subgrade Compaction: 6 Sta/hr \$12.59/sta. x 11.0 sta = \$137.86

Compaction - Common: \$0.76/cy x 1,800 cy = \$1,368.00

Blading: \$11.43/station x 10.95 stations = \$125.16

Subtotal: \$5,159.02

Section 400 Drainage:

Poly Pipe temporary pipe 18 inch 24 ea x \$24.22/ea = \$581.28

Poly Pipe temporary pipe 18 inch 24 ea x \$24.22/ea = \$581.28

Subtotal: \$1,162.56

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$389.77/acre x 0.80 acres = \$311.82

Includes Small Quantity Factor of 1.06

Subtotal: \$311.82

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 10.99% of total Costs = \$316.86

surfacing = 0% \$0.00

Road Number: P9 Continued

Subtotal: \$316.86

Quarry Development:

Subtotal: \$0.00

Total: \$9,185.38

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: R1 Road Name:

Road Renovation: 0.16 mi 16 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.6 acres	\$1,384.91
Clearing:4.0 sta Grubbing:0.6 acres	
Slash Treatment:0.6 acres	
300 Excavation: 494 cy	\$2,789.48
Haul: 10,560 sta-yds	
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$434.41
Blading 0.16 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.6 acres	\$233.86
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.2 acres	\$44.53
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$174.61 Surf. \$0.00.....	\$174.61
Quarry Development:	\$0.00
Total:	\$5,061.81

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: R1 Road Name:

Section 200 Clearing and Grubbing:

Comment: Clearing and grubbing for widening at corner.

Clearing - Light: $\$15.28/\text{sta} \times 4.00 \text{ sta} = \61.12

Grubbing - Heavy: $\$1598.35/\text{acre} \times 0.57 \text{ acres} = \911.06

Scatter: $\$724.08/\text{acre} \times 0.57 \text{ acres} = \412.73

Subtotal: \$1,384.91

Section 300 Excavation:

Excavation - Rippable: $\$3.46/\text{cy} \times 494 \text{ cy} = \$1,709.24$

Layer Embankment - Common: $\$0.24/\text{cy} \times 269 \text{ cy} = \64.56

Subgrade Compaction: 4 Sta/hr $\$18.88/\text{sta.} \times 4.0 \text{ sta} = \75.52

Compaction - Common: $\$0.76/\text{cy} \times 269 \text{ cy} = \204.44

End Hauling > 500 ft and 10 mph: $\$3.45/\text{yd-mi} \times 200 \text{ yd-mi} = \690.00

Blading: $\$11.43/\text{station} \times 4.00 \text{ stations} = \45.72

Subtotal: \$2,789.48

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$519.72/\text{mi} \times 0.16 \text{ mi} = \83.16

Scarification: $\$866.20/\text{mi} \times 0.16 \text{ mi} = \138.59

Compaction: $\$1329.15/\text{mi} \times 0.16 \text{ mi} = \212.66

Subtotal: \$434.41

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$389.77/\text{acre} \times 0.60 \text{ acres} = \233.86

Includes Small Quantity Factor of 1.06

Subtotal: \$233.86

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 8ft. Right: 8ft.

RoadSide Brushing Light: $\$278.34/\text{acre} \times 0.16 \text{ acres} = \44.53

Subtotal: \$44.53

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Road Number: R1 Continued

Subtotal: \$0.00

Mobilization:

Construction - 6.05% of total Costs = \$174.61

surfacing = 0% \$0.00

Subtotal: \$174.61

Quarry Development:

Subtotal: \$0.00

Total: \$5,061.81

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: R3 Road Name:

Road Renovation: 0.06 mi 16 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.4 acres	\$961.52
Clearing:3.3 sta Grubbing:0.4 acres	
Slash Treatment:0.4 acres	
300 Excavation: 3,270 cy	\$8,994.42
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$81.45
Blading 0.03 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.2 acres	\$77.95
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$361.41 Surf. \$0.00.....	\$361.41
Quarry Development:	\$0.00

Total: \$10,476.75

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: R3 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: $\$45.05/\text{sta} \times 3.30 \text{ sta} = \148.67

Grubbing - Heavy: $\$1598.35/\text{acre} \times 0.35 \text{ acres} = \559.42

Scatter: $\$724.08/\text{acre} \times 0.35 \text{ acres} = \253.43

Subtotal: \$961.52

Section 300 Excavation:

Comment: Helicopter landing construction, 100' x 130' at EOR

Excavation - Common: $\$1.72/\text{cy} \times 3,270 \text{ cy} = \$5,624.40$

Layer Embankment - Common: $\$0.24/\text{cy} \times 3,270 \text{ cy} = \784.80

Subgrade Compaction: 4 Sta/hr $\$18.88/\text{sta.} \times 3.3 \text{ sta} = \62.30

Compaction - Common: $\$0.76/\text{cy} \times 3,270 \text{ cy} = \$2,485.20$

Blading: $\$11.43/\text{station} \times 3.30 \text{ stations} = \37.72

Subtotal: \$8,994.42

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$519.72/\text{mi} \times 0.03 \text{ mi} = \15.59

Scarification: $\$866.20/\text{mi} \times 0.03 \text{ mi} = \25.99

Compaction: $\$1329.15/\text{mi} \times 0.03 \text{ mi} = \39.87

Subtotal: \$81.45

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$389.77/\text{acre} \times 0.20 \text{ acres} = \77.95

Includes Small Quantity Factor of 1.06

Subtotal: \$77.95

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Road Number: R3 Continued

Construction - 12.53% of total Costs = \$361.41
surfacing = 0% \$0.00

Subtotal: \$361.41

Quarry Development:

Subtotal: \$0.00

Total: \$10,476.75

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: Y1 Road Name:

Road Construction: 0.07 mi 14 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.3 acres	\$805.00
Clearing:4.0 sta Grubbing:0.3 acres	
Slash Treatment:0.3 acres	
300 Excavation: 780 cy	\$2,481.32
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.3 acres	\$116.93
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$121.59 Surf. \$0.00.....	\$121.59
Quarry Development:	\$0.00
Total:	\$3,524.85

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: Y1 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: \$45.05/sta x 3.95 sta = \$177.95

Grubbing - Heavy: \$1598.35/acre x 0.27 acres = \$431.55

Scatter: \$724.08/acre x 0.27 acres = \$195.50

Subtotal: \$805.00

Section 300 Excavation:

Comment: Place 200cy on landing, hauled from R1 widening.

Excavation - Common: \$1.72/cy x 780 cy = \$1,341.60

Layer Embankment - Common: \$0.24/cy x 1,020 cy = \$244.80

Subgrade Compaction: 4 Sta/hr \$18.88/sta. x 4.0 sta = \$74.58

Compaction - Common: \$0.76/cy x 1,020 cy = \$775.20

Blading: \$11.43/station x 3.95 stations = \$45.15

Subtotal: \$2,481.32

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$389.77/acre x 0.30 acres = \$116.93

Includes Small Quantity Factor of 1.06

Subtotal: \$116.93

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 4.22% of total Costs = \$121.59

surfacing = 0% \$0.00

Subtotal: \$121.59

Quarry Development:

Subtotal: \$0.00
Total: \$3,524.85

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number: Y2 Road Name:

Road Construction: 0.03 mi 14 ft Subgrade 0 ft ditch 5/1/2013

200 Clearing and Grubbing: 0.1 acres	\$329.80
Clearing:1.7 sta Grubbing:0.1 acres	
Slash Treatment:0.1 acres	
300 Excavation: 220 cy	\$648.41
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$38.98
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$36.34 Surf. \$0.00.....	\$36.34
Quarry Development:	\$0.00

Total: \$1,053.53

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: Y2 Road Name:

Section 200 Clearing and Grubbing:

Clearing - Heavy: \$45.05/sta x 1.65 sta = \$74.33

Grubbing - Heavy: \$1598.35/acre x 0.11 acres = \$175.82

Scatter: \$724.08/acre x 0.11 acres = \$79.65

Subtotal: \$329.80

Section 300 Excavation:

Excavation - Common: \$1.72/cy x 220 cy = \$378.40

Layer Embankment - Common: \$0.24/cy x 220 cy = \$52.80

Subgrade Compaction: 4 Sta/hr \$18.88/sta. x 1.7 sta = \$31.15

Compaction - Common: \$0.76/cy x 220 cy = \$167.20

Blading: \$11.43/station x 1.65 stations = \$18.86

Subtotal: \$648.41

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$389.77/acre x 0.10 acres = \$38.98

Includes Small Quantity Factor of 1.06

Subtotal: \$38.98

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 1.26% of total Costs = \$36.34

surfacing = 0% \$0.00

Subtotal: \$36.34

Road Number: Y2 Continued

Quarry Development:

Subtotal: \$0.00

Total: \$1,053.53

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mobilization Costs - Construction and Surfacing

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

Graders-all:	1 ea x (1.00 x \$356.00/ea + 0 mi x \$13.91/mi)=	\$356.00
Brush Cutter:	1 ea x (1.00 x \$356.00/ea) =	\$356.00
Rollers & Comp:	1 ea x (1.00 x \$356.00/ea + 0 mi x \$15.10/mi)=	\$356.00
RTBackhoes 24/30:	1 ea x (1.00 x \$356.00/ea + 0 mi x \$4.93/mi)=	\$356.00
Tractors >= D8:	1 ea x (1.00 x \$688.00/ea + 0 mi x \$41.09/mi)=	\$688.00
Dump Truck<=10cy:	3 ea x (1.00 x \$185.00/ea + 0 mi x \$3.70/mi)=	\$555.00
Water Truck:	1 ea x (1.00 x \$217.00/ea + 0 mi x \$4.33/mi)=	\$217.00

Subtotal: \$2,884.00

Mobilization: Surfacing

Subtotal: \$0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of Construction Quantities

T.S. Contract Name: Rockstar Timber Sale Sale Date: 7/24/14

Road Number	Const	Improv	Renov	Decomm	Temp
33-7-03.01			7.92		
33-7-21.00			157.34		
33-7-21.03			10.03		
33-7-29.01			5.81		
L32	3.55				
P3	13.05				
P4	35.60				
P5	1.00				
P6	8.00				
P7	1.95				
P8	8.20				
P9	10.95				
R1			8.25		
R3			3.30		
Y1	3.95				
Y2	1.65				
Total Sta:	87.90		192.65		

200 Clearing and Grubbing	Clearing stations	Grubbing acres	Slash acres
33-7-21.03	5.50	0.2	0.2
33-7-29.01	5.81	0.5	0.5
L32	3.55	0.2	0.2
P3	13.05	0.9	0.9
P4	35.60	2.5	2.5
P5	1.00	0.1	0.1
P6	8.00	0.6	0.6
P7	1.95	0.1	0.1
P8	8.20	0.6	0.6
P9	10.95	0.8	0.8

R1	4.00	0.6	0.6
R3	3.30	0.4	0.4
Y1	3.95	0.3	0.3
Y2	1.65	0.1	0.1

Totals:	<u>106.51</u>	<u>7.6</u>	<u>7.6</u>
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300 Excavation

	Excav C.Y.s	Haul sta-yds
P3	860	0
P4	4,580	13,750
P5	190	0
P6	460	0
P7	100	0
P8	1,305	0
P9	1,800	0
R1	494	10,560
R3	3,270	0
Y1	780	0
Y2	220	0

Totals:	<u>14,059</u>	<u>24,310</u>
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Continuation of Construction Quantities

400 Drainage

P9	temporary pipe	Poly Pipe	18 inch	24 lf
P9	temporary pipe	Poly Pipe	18 inch	24 lf

500 Renovation

	Miles	Slide cy
33-7-03.01	0.15	0
33-7-21.00	2.98	0
33-7-21.03	0.19	0
33-7-29.01	0.11	0
R1	0.16	0
R3	0.03	0

Totals:	3.62	0
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Surfacing (Cubic Yards)

1300 Geotextiles

Totals: No Quantities

1400 Slope Protection

Totals: 0

1800 Soil stabilization - acres

	Dry W/O Mulch	Dry/with Mulch	Hydro Mulch
33-7-21.03	0.0	1.0	
33-7-29.01	0.0	1.0	
L32	0.0	0.2	
P3	0.0	0.9	
P4	0.0	2.5	
P5	0.0	0.1	
P6	0.0	0.6	
P7	0.0	0.1	
P8	0.0	0.6	
P9	0.0	0.8	
R1	0.0	0.6	
R3	0.0	0.2	
Y1	0.0	0.3	
Y2	0.0	0.1	

Totals:	0.0	9.0	0.0
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Small Quantity Factor of 1.06 used

1900 Cattleguards

Totals: No Quantities

2100 RoadSide Brushing

	acres
33-7-03.01	0.3
33-7-21.00	5.8
33-7-21.03	0.2
33-7-29.01	0.2
R1	0.2

Continuation of Construction Quantities

Totals: 6.7

2300 Engineering stations

Totals: 0.00

2400 Minor Concrete

Totals: No Quantities

2500 Gabions

Totals: No Quantities

8000 Miscellaneous

Totals: No Quantities

1) Road Use Fees - Amortization

R/W Number	Road Number	Rd Use Fee x	Vol MBF =	Road Use Obligation
(1.1) Subtotal		\$0.00		

2) BLM Maintenance - Timber Haul

Road Number and Segment	A Surf N Type	Maint Mi	Vol x Fee x MBF	Total = Maint
33-7-3.0	A ASC	0.68	1.25 12073	\$10262.05
33-7-3.0	A ASC	1.66	1.25 11586	\$24040.95
33-7-3.0	A ASC	1.25	1.25 11572	\$18081.25
33-7-3.0	A ASC	0.42	1.25 8701	\$4568.03
33-7-3.0	A ASC	0.47	1.25 8399	\$4934.41
33-7-3.0	A ASC	1.84	1.25 8233	\$18935.90
33-7-3.0	A ASC	0.77	1.25 30	\$28.88
33-7-8.0	A ASC	0.67	1.25 8203	\$6870.01
33-7-32.0	A ASC	0.29	1.25 1638	\$593.78
33-7-32.0	A ASC	0.40	1.25 1037	\$518.50
33-7-32.0	A ASC	0.09	1.25 6565	\$738.56
33-7-32.0	A ASC	0.44	1.25 4182	\$2300.10
33-7-32.0	A ASC	1.10	1.25 3651	\$5020.13
33-7-32.0	A ASC	0.53	1.25 3296	\$2183.60
33-7-32.0	A ASC	0.73	1.25 2965	\$2705.56
33-7-32.0	A ASC	0.79	1.25 1136	\$1121.80
33-7-32.0	A ASC	2.00	1.25 1130	\$2825.00
(2.1) Subtotal		\$105728.50		

3) Third Party Maintenance and Rockwear

		MAINTENANCE (3.1)			ROCKWEAR (3.2)		
Agmmt Number	Road Number	Mi	x	Fee x MBF =	Maint	Fee x MBF =	Rkwear
(3.1) Subtotal		\$0.00			(3.2) Subtotal	\$0.00	

4) Other Maintenance Payments - USFS or Others Perform Maintenance

Agency	Road Number	Fee MBF/Mi x	Vol Mi =	Fee /MBF x	Maint Hauled =	Cost
(4.1) Subtotal		\$0.00				

5) Purchaser Maintenance - Rock Wear

TIMBER HAUL (5.1)

Road No 1/ and Segment	A	N	Mi	x	RkWear Fee	Vol x MBF	Total = RkWear
33-7-03.01	A		0.15	0.49		487	\$35.79
R1	A		0.16	0.49		1334	\$104.59
33-7-7.0	A		0.40	0.49		3	\$0.59
33-7-21.03	A		0.19	0.49		331	\$30.82
33-7-21.00	A		2.98	0.49		1641	\$2396.19
33-7-29.01	A		0.11	0.49		6	\$0.32

(5.1) Subtotal \$2568.30

Purchaser Operational Maintenance

Move In

Equipment 1/	No Units	Move x in	Cost/ 50 Mi	Dist x Factor	Sub- total
Motor Grader:	1	3	\$356.00	1.0035	\$1071.74
Back Hoe:	1	1	\$356.00	1.0035	\$357.25
Loader:	1	1	\$356.00	1.0035	\$357.25
Water Truck:	1	1	\$217.00	1.0035	\$217.76
Dump Truck 2/:	4	1	\$228.00	1.0035	\$915.19

(5.2A) Total \$2919.18

1/ Equipment limited to that allowed in Exhibit D.

Culvert Maintenance - Including Catch basins and Downpipes 1/

Miles	x	Cost/Mi	=	Subtotal
4.20		270.05		\$1134.21

(5.2B) Total \$1134.21

1/ Does not include purchase or installation of culvert pipe.

Grading (Includes Ditches and Shoulders)

	Miles	x	Cost/Mi	x Freq	= Subtotal
Blade Road:	5.86		519.72	2	\$6091.12
Blade Ditch:	4.87		140.38	1	\$683.65

(5.2C) Total \$6774.77

Slide and Slough removal, Slump Repair

Type Equipment	No Slides /Slumps	Hours x Each	Equip Cost	= Subtotal
Grader:	1	2	139.10	\$278.20
Loader:	1	8	91.63	\$733.04
Backhoe:	0	0	66.05	\$0.00

(5.2D) Total \$1011.24

Dust Palliative (Water) 1/

Spreading Hours

Miles	/ MPH	= Hours	x No Days	x Freq /Day	= Truck Hours
0.00	0		0	0	0
Load & Haul =		0.0	0	0	0
Total Hours =					0

Truck Cost: \$86.64/Hr. x 0.0 Hours = \$0.00

(5.2E) Total \$0.00

1/ Allow water for all BLM maintained non-oiled roads.

Surface Repair (Aggregate)

Production Cost:	0 C.Y. x \$0.00/C.Y.	=	\$0.00
Haul to Stockpile:	0 C.Y. x \$3.72/C.Y. x 0.00 Mi	=	\$0.00
Stockpile:	0 C.Y. x \$1.26/C.Y.	=	\$0.00
Load from Stockpile:	0 C.Y. x \$1.39/C.Y.	=	\$0.00
Haul from Stockpile:	0 C.Y. x \$3.72/C.Y. x 0.00 Mi	=	\$0.00
Process with Grader:	0 C.Y. x \$1.40/C.Y.	=	\$0.00

(5.2F) Total \$0.00

Other

Fallen Timber Cutting:	0.0 Hours x \$0.00/Hour	=	\$0.00
Brush Cutting/Tree Trimming:	0.0 Hours x \$0.00/Hour	=	\$0.00
Oil/Asphalt Materials:	Lump Sum	=	\$0.00
Signing for Dust Palliatives:	Lump Sum	=	\$0.00
Decom. - waterbars and ripping	Lump Sum	=	\$5307.71
Decom. - seed and mulch	Lump Sum	=	\$1333.01
Decom. - blocking roads	Lump Sum	=	\$903.44

-93.15 Stations decommissioned. Specifications in Exhibit C.

(5.2G) Total \$7544.16

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SCALE SALE

Name of Bidder
Tract Number ORM07-TS14-12
Sale Name Rockstar Salvage
Sale Notice (dated) 6/25/2014
BLM District Medford

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

Required bid deposited is **\$96,000.00** 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	10,148	X	=	X	=
Ponderosa Pine	MBF	1,108	X	=	X	=
Sugar Pine	MBF	726	X	=	X	=
Incense Cedar	MBF	91	X	=	X	=
Total		12,073	X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
TOTAL PURCHASE PRICE						

(Continued on reverse)

If sale contract is executed, undersigned is liable for total purchase price even though the quantity cut, removed, or designated

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

Bid submitted on *(date)*

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

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

NOTICE

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

AUTHORITY: 38 FR 6280 and 43 CFR 5442.1

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

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

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

INSTRUCTIONS TO BIDDERS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

10. **PERFORMANCE BOND** -

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

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

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

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

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

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

*Applies to Timber Only

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

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

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

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

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