

PROSPECTUS

SCALE SALE LOCKED GATES

Sale Date: January 23, 2018

Roseburg Sale No.: ORR05-TS-2018.0008
Douglas County, Oregon: O&C, PD: Oral Auction

Sale Name: Mister Ed Suppression Deck Removal
Bid Deposit Required: \$8,000.00

All timber designated for removal on:

Lot 10	Sec. 19	T. 30 S.	R. 7 W.	Willamette Meridian
SE $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 21	T. 30 S.	R. 7 W.	Willamette Meridian
NW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$	Sec. 27	T. 30 S.	R. 7 W.	Willamette Meridian
SE $\frac{1}{4}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$	Sec. 29	T. 30 S.	R. 7 W.	Willamette Meridian
Lot 1, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 30	T. 30 S.	R. 7 W.	Willamette Meridian
SE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$	Sec. 35	T. 30 S.	R. 8 W.	Willamette Meridian
NW $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$	Sec. 7	T. 31 S.	R. 6 W.	Willamette Meridian
W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 13	T. 31 S.	R. 7 W.	Willamette Meridian
SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$	Sec. 17	T. 31 S.	R. 7 W.	Willamette Meridian
NE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 11	T. 31 S.	R. 8 W.	Willamette Meridian
SE $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Sec. 13	T. 31 S.	R. 8 W.	Willamette Meridian
Lots 8,13 and 14	Sec. 15	T. 31 S.	R. 8 W.	Willamette Meridian

Est. Vol. MBF 32' Log	Species	Est. Vol. MBF 16' Log	Appraised Price Per MBF	Est. Volume Times Appraised Price
454	Douglas-fir	568	\$125.30	\$71,170.40
29	Ponderosa Pine	36	\$30.40*	\$1,094.40
28	Incense-cedar	35	\$66.70	\$2,334.50
28	Grand Fir	35	\$37.60*	\$1,316.00
11	Sugar Pine	14	\$29.60*	\$414.40
6	Western Hemlock	7	\$40.10*	\$280.70
6	Western Redcedar	7	\$469.40	\$3,285.80
562		702		\$79,896.20

THE VOLUMES LISTED herein are based on ocular estimates and comparable sales, which must be taken into consideration if comparisons are made with volume predictions based on other standards. The volumes based on 32-foot taper breaks are shown for comparison purposes. Total quantity of timber actually cut or removed or designated for taking will be determined by scale.

APPRAISED PRICES are determined by analytical appraisal methods unless otherwise noted on individual timber sale notices.

LOG EXPORT AND SUBSTITUTION RESTRICTIONS:

All timber sales, including timber from Federal rights-of-ways, shall be subject to the restrictions relating to the export and substitution of unprocessed timber from the United States in accordance with P.L. 94-165 and 43 CFR 5400 and 5424 as amended.

Excepting Port-Orford-cedar, all timber offered for sale hereunder 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.

CUTTING AREA: This sale consists of approximately 40 acres. Timber to be removed consists of log decks and individual logs and felled trees along identified roads in the Harvest Areas. See Exhibit A for details.

ACCESS: Access to the sale area is provided by Government, County, and privately controlled roads. Road use fees are approximated based on volumes determined in Exhibit B of this contract and on mileage of roads used. Final fees will be determined after all merchantable timber has been cut and scaled, as determined by the Authorized Officer.

- A road use fee of \$907.80 will be required to be paid to Roseburg Resources Company.
- A road use fee of \$69.54 will be required to be paid to Seneca Jones Timber Company.

LOCKED GATE: There are locked gates to access portions of the Contract Area. See BLM receptionist for key.

DIRECTIONS TO SALE AREA: From Roseburg, take Interstate 5 south to the Riddle exit (exit 103). Turn onto the Riddle Bypass/Cow Creek road and continue west to the Contract Area. Please refer to Exhibits A and D for further details.

ROAD MAINTENANCE: Rockwear and maintenance fees due are approximated based upon volumes determined in Exhibit B of this contract and mileage of roads used. Final fees will be determined after all merchantable timber has been cut and scaled, as determined by the Authorized Officer.

- Rockwear and maintenance fees of \$6,608.32 will be required to be paid to the Roseburg BLM.
- Rockwear and maintenance fees of \$896.75 will be required to be paid to Roseburg Resources Company.
- Rockwear and maintenance fees of \$140.87 will be required to be paid to Seneca Jones Timber Company.

DURATION OF CONTRACT will be 12 months for removal of timber. The contract will contain SPECIAL PROVISIONS regarding: logging, road use, road maintenance, environmental protection, fire prevention, slash disposal, optional contributions, log exports, and safety. Log scaling is required under the terms of this contract. See Exhibit B for details.

ADDITIONAL INFORMATION: This prospectus includes maps and tables that cannot be made Section 508 compliant. For help with its data or information, please contact the Roseburg District Office at 541-440-4930.

NOTES:

1. A revised Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and /or to modify or terminate the contract when necessary to: (1) Comply with the Endangered Species Act or to prevent incidental take of northern spotted owls in accordance with the management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), or; (2) Comply with a court order, or; (3) Protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP.

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

2. Seasonal restrictions on operations apply to this sale regarding bucking, yarding, loading, hauling, and wildlife nesting seasons. Refer to Sections 42(A)(9-10), 42(B)(2), and Exhibit E for details.
3. This is a scale for payment sale; please refer to the Exhibit B of the contract for specific requirements such as log branding on all logs, and hauling restrictions.
4. Trees designated for removal have been felled and are in decks and individual logs alongside roads. Some areas may require up to one hundred (100) feet of yarding distance to the road.
5. The Purchaser will be required to label with a permanent ink marker each load ticket with the corresponding Harvest Area (ex. Doe 21) that the logs originated from, as shown on Exhibit A, and as directed by the Authorized Officer.
6. License Agreements with Seneca Jones Timber Company, LLC. and Roseburg Resource Co. are required. The terms and conditions of the license agreement are available for inspection at the Roseburg District Office.
7. Suspension of commercial road use may occur where the road surface is deteriorating due to vehicular rutting or standing water, or where turbid runoff is likely to reach stream channels, as directed by Authorized Officer. Refer to 42(B)(2).
8. Slash disposal requirements consist of the following: machine piling, covering and burning slash and debris created by harvesting operations. The Purchaser will have the option to assist in burning or to make a contribution to the Bureau of Land Management in lieu thereof. Refer to Sections 42(E) and 42(F) for details.

THIS IS A SALE PROSPECTUS ONLY. ATTACHMENTS MAY NOT INCLUDE ALL EXHIBITS REFERRED TO IN THE CONTRACT PROVISIONS. THE COMPLETE CONTRACT, INCLUDING ALL EXHIBITS, IS AVAILABLE FOR INSPECTION AT THE ROSEBURG DISTRICT OFFICE.

Section 41. TIMBER RESERVED FROM CUTTING - The following timber in the Contract Area is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of the Government.

- (a) All timber in the Reserve Areas, except log decks and individual logs and felled trees along identified roads in the Harvest Areas as shown in Exhibit A. Standing trees which pose a hazard to operations may be felled with the approval of the Authorized Officer.
- (b) Approximately one hundred eighteen (118) pink-painted logs within the Harvest Areas, and all pink-painted and posted trees which are on or mark the boundaries, as shown on Exhibit A.
- (c) All existing coarse woody debris (logs and snags) classified as decay Classes 3, 4, and 5, (having bark substantially sloughed off and in advanced stages of decay), within the Harvest Areas as shown on Exhibit A. Decay classes are illustrated on Exhibit F which is attached hereto and made a part hereof. Snags which pose a hazard to operations may be felled with the approval of the Authorized Officer.
- (d) All hardwood trees and logs in Harvest Areas as shown on Exhibit A, unless otherwise approved by the Authorized Officer.
- (e) A minimum of thirty-one (31) additional cull and merchantable logs may be reserved as designated by the Authorized Officer.

Section 42. The Purchaser shall comply with the special provisions which are attached hereto and made a part hereof, unless otherwise authorized in writing by the Authorized Officer.

Section 42(A) Logging:

- (1) Before beginning operations on the Contract Area for the first time or after a shutdown of ten (10) or more days, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of ten (10) or more days.
- (2) 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 must be held at a location designated by the Authorized Officer before the logging plan will be approved. All logging shall be done in accordance with the plan developed by this provision.
- (3) 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.
- (4) During logging operations, the Purchaser shall keep all roads that pass through the Contract Area clear of trees, rock, dirt and other debris so far as is practicable. The roads shall not be blocked by such operations for more than thirty (30) minutes unless otherwise approved by the Authorized Officer.
- (5) The Purchaser will be required to label with a permanent ink marker each load ticket with the corresponding Harvest Area that the logs originated from, as shown on Exhibit A, as directed by the Authorized Officer.
- (6) The Purchaser shall brand clearly and legibly one end of all logs prior to the removal of timber from the Contract Area. One end of all branded logs to be processed domestically will be marked with a spot of highway yellow paint, unless otherwise directed in writing by the Authorized Officer.
- (7) The Purchaser shall not haul logs from the Contract Area on weekends; 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.
- (8) Purchaser shall be responsible for maintenance of the loading sites along rocky roads. Use of a rubber-tired loader is recommended on all rocky roads in the Contract Area.
- (9) To prevent potential disturbance to nesting Marbled Murrelets (MAMU), the following restrictions apply:

For Harvest Areas Cattle 17, Doe 21, Doe 27, Doe 29, Doe 30, Union 11, Union 13 (Por), Union 15 and Union 35, as designated on Exhibit E, which is attached hereto and made apart hereof, no yarding, processing, or loading of logs may be conducted from April 1 through September 15, both days inclusive.

- (10) For Harvest Areas Council 7, Cattle 17, Doe 29, Union 13(Por), Union 15 and Union 35 as shown on Exhibit E, no yarding, processing, or loading of logs may be conducted from March 1 to July 15, both days inclusive, of each calendar year due to the potential noise disturbance of northern spotted owls (NSO).

Section 42(B) Road Maintenance – Use:

- (1) The Purchaser shall renovate as shown on the Exhibits A and C, all roads in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof. Any required renovation of structures and roads shall be completed and accepted, in accordance with Section 18, prior to the removal of any timber, except right-of-way timber, over that road.
- (2) Road renovation may be conducted any time that site conditions allow. The Authorized Officer shall halt road renovation and use at any time if conditions are determined to be unsuitable for road renovation, or if resource damage is likely to occur. Examples of unsuitable site conditions include saturated road surfaces or when renovation or haul actions are likely to impact water quality in the Contract Area.
- (3) The Purchaser is authorized to use the roads listed and shown on Exhibit D, attached hereto and made apart hereof, which are under the jurisdiction of the Bureau of Land Management for the removal of Government timber sold under the terms of this contract, provided that the Purchaser pay the required maintenance and rockwear obligations described in Section 42(B)(4). Any road listed on Exhibit D and requiring improvement or renovation in Exhibit C of this contract shall be maintained by the Purchaser until receiving written acceptance of the construction or renovation from the Authorized Officer. The Purchaser shall pay current Bureau of Land Management maintenance and rockwear fees for the sale of additional timber under modification to the contract.
- (4) The Purchaser shall pay the Government a road maintenance and rockwear obligation estimated at six thousand six hundred and eight and 32/100 dollars (\$6,608.32) to the Roseburg District BLM, to be determined by log scale upon completion of haul, for the transportation of timber included in the contract price over roads listed and shown on Exhibit D, which are under the jurisdiction of the Bureau of Land Management. This approximated maintenance fee due is based upon volumes determined pursuant to Exhibit B of this contract and mileage of roads used determined by the Authorized Officer. Unless the total maintenance amount is paid prior to commencement of operations on the Contract Area, payments shall be made in installments of not less than Five Hundred and No/100 dollars (\$500.00) payable in the same manner as and together with payments required in Section 3 of this contract. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total maintenance payments made under this contract exceed the total maintenance payments due, such excess shall be returned to the Purchaser after such determination is made.

- (5) The Purchaser shall perform any required road repair and maintenance work on roads used by them, under the terms of Exhibit D of this contract.
- (6) The Purchaser also agrees that if they elect to use any other private road which is the subject of a right-of-way agreement with the Government for the removal of Government timber sold under the terms of this contract, the Purchaser shall request and agree to the modification of this contract to provide for such use and for allowances for amortization of the Government's share of the capital investment of any such road.

IF OTHER THAN ROSEBURG RESOURCES COMPANY PURCHASES:

- (7) In the use of Roads No.30-7-18.0 Segment G2(Base)(Por), No. 30-7-27.0 Segments A, B, and C, No. 30-7-29.0 Segments A(Imp) and B(Imp), No. 30-7-30.0 Segment A(Base), No. 30-8-26.1 Segments A2(Imp) and B, No. 30-8-35.1 Segment A(Por), No. 31-6-17.0 Segment C(Por), No. 31-6-7.3 Segment A(Por), and No. 31-8-15.2 Segments A(Imp) & B(Por) as shown on Exhibit D, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. R-851, dated December 20, 1966, between the United States of America and Roseburg Resources Company. This document is available for inspection at the Bureau of Land Management, Roseburg District Office, 777 NW Garden Valley Blvd., Roseburg, Oregon 97471. These conditions include:
 - (a) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a copy of the executed license agreement.
 - (b) Payment of a road use obligation estimated at nine hundred and seven and 80/100 dollars (\$907.80).
 - (c) Payment of a rockwear and maintenance obligation estimated at eight hundred ninety-six and 75/100 dollars (\$896.75).
 - (d) Provide a performance bond in the amount of ten thousand and 00/100 dollars (\$10,000.00).
 - (e) 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.

IF ROSEBURG RESOURCES COMPANY PURCHASES:

- (7) In accordance with 43 CFR 2812.6-2(a)(5), the following allowances have been made for amortization on capital investment of the roads covered by Road Agreements No. R-851 with the Purchaser; nine hundred and seven and 80/100 dollars (\$907.80) for Road No. 30-7-27.0 Segments A,B,and C, Road No. 30-8-26.1 Segment A2(Imp) and Segment B (Base)(Imp), Road No. 30-8-35.1 Segment A(Por), Road No. 31-6-17.0 Segment C(Por), and Road No. 31-6-7.3

Segment A(Por). It is understood that the purchase price stated in Sec. 2 of this contract is the net price and no deductions will be made from the purchase price because of such allowances.

IF OTHER THAN SENECA JONES TIMBER CO. PURCHASES:

- (8) In the use of Roads No. 30-8-26.1 Segment B1, No. 31-8-11.3 Segment A, No 31-8-13.0 Segments A2(Imp) and B, and No. 31-8-3.0 Segment A(Base), as shown on Exhibit D, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. R-791, dated February 1, 1965, between the United States of America and Seneca Jones Timber Co. This document is available for inspection at the Bureau of Land Management, Roseburg District Office, 777 NW Garden Valley Blvd., Roseburg, Oregon 97471. These conditions include:
- (a) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a copy of the executed license agreement.
 - (b) Payment of a road use obligation estimated at sixty-nine and 54/100 dollars (\$69.54).
 - (c) Payment of a maintenance and rockwear obligation estimated at one hundred forty and 87/100 (\$140.87) to be determined by log scale upon completion of haul.
 - (d) Provide a performance bond in the amount of five thousand and 00/100 dollars (\$5,000.00).
 - (e) 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.

IF SENECA JONES TIMBER COMPANY PURCHASES:

- (8) In accordance with 43 CFR 2812.6-2(a)(5), the following allowances have been made for amortization on capital investment of the roads covered by Road Agreements No. R-791 with the Purchaser; sixty-nine and 54/100 dollars (\$69.54) for Roads No. 30-8-26.1 Segment B1, No. 31-8-11.3 Segment A, No 31-8-13.0 Segments A2(Imp) and B, No. 31-8-3.0 Segment A(Base). It is understood that the purchase price stated in Sec. 2 of this contract is the net price and no deductions will be made from the purchase price because of such allowances.

Section 42(C) Environmental Protection:

- (1) In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall clean road surfaces, cut banks, landings, ditch lines and culverts of all debris created by logging operations.

- (2) In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall steam clean or pressure wash all logging and road building equipment, except logging trucks and crew transport, prior to initial move-in, to minimize the likelihood of spreading or introducing noxious weeds to the Contract Area. Equipment washing shall occur at a location approved by the Authorized Officer. Equipment will be visually inspected by the Authorized Officer prior to use. Any logging or road building equipment removed from the Contract Area during the duration of the contract must be steam cleaned or pressure washed before it is returned to the Contract Area. Cleaning shall be defined as removal of all dirt, grease, plant parts and material that may carry noxious weed seeds.
- (3) 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 re-initiation of consultation is required concerning the species prior to continuing operation, or;
 - (b) When, in order to comply with the Endangered Species Act, or to prevent incidental take of northern spotted owls in accordance with management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
 - (c) Federal proposed, federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
 - (d) Other active raptor nests have been discovered, and a determination is made that continued operations under this contract would adversely affect the present use of the discovered nesting area by the raptor, or;
 - (e) When, in order to comply with a court order which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;
 - (f) When, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
 - (g) Species have been discovered which were identified for protection through Survey and Manage and/or protection buffer standards and guidelines, or management direction 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, or management direction 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 thirty (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 thirty (30) days, the First Installment on deposit may be reduced to five (5) percent of the First Installment amount listed in Section 3(b) of the contract. Any First Installment amount temporarily reduced may be refunded or transferred to another BLM contract at the request of the Purchaser. However, if the Purchaser has outstanding debt owing the United States, the Contracting Officer must first apply the amount of First Installment that could be refunded to the debt owed in accordance with the Debt Collection Improvement Act, as amended (31 USC 3710, *et seq.*). Upon Purchaser's receipt of a bill for collection and written notice from the Contracting Officer lifting the suspension, the Purchaser shall restore the First Installment to the full amount shown in Section 3(b) of the contract within fifteen (15) days after the bill for collection is issued, subject to Section 3(j) 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 thirty (30) days, the unamortized Out-of-Pocket Expenses for road or other construction required pursuant to Exhibit C of the contract shall be refunded or transferred to another BLM contract at the request of the Purchaser. Upon written notice from the Contracting Officer lifting the suspension, the Purchaser shall reimburse the Government the amounts refunded or transferred. The Purchaser may choose to pay this reimbursement at once or in installments payable at the same time as payments are due for the timber under the contract and in amounts approximately equal to the expenses associated with the timber for which payment is due.

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

The Contracting Officer may determine that it is necessary to terminate the cutting and removal rights under the contract in order to comply with the Endangered Species Act, prevent incidental take of northern spotted owls in accordance with the ROD and RMP, protect species that have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines, or management direction 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, if able to proceed without causing incidental take of northern spotted owls in accordance with ROD and RMP, survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or court order requirements necessitating the modification or termination.

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

The Purchaser specifically and expressly waives any right to claim damages, other than those described in the preceding paragraph, 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.

Section 42(D) Fire Prevention and Control:

- (1) Primarily for purposes of fire prevention and control, the Purchaser shall, prior to the operation of power driven equipment in construction or logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the Authorized Officer.

Section 42(E) Slash Disposal:

- (1) Fire Hazard Reduction. In addition to the requirements of Section 15 of this contract, and notwithstanding the Purchaser's satisfactory compliance with state laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following hazard reduction measures required by this contract:
 - (a) Prior to commencement of any operation under Section 42(E) (Slash Disposal and Site Preparation) of this contract, a slash disposal prework conference between the Purchaser's representative and the Authorized Officer must be held at a location designated by the Authorized Officer. All slash disposal and site preparation shall be done in accordance with the plans developed at the prework conference.

- (b) Machine pile all Harvest Areas as shown in Exhibit A. Piles shall be located away from Harvest Area boundaries, retention trees, and snags. Piling is to be completed within thirty (30) days of the completion of yarding for each Harvest Area, unless otherwise directed by the Authorized Officer. Piles are to be tight and free of dirt.
 - (1) Slash, as defined for this section, shall mean all material (brush, limbs, tops, unmerchantable stems, and chunks) severed or knocked over as a result of Purchaser's operations under the terms of this contract.
 - (2) Cover each pile with a minimum ten (10) foot by ten (10) foot sheet of four (4) mil. black plastic, unless otherwise directed by the Authorized Officer, to meet ignition and combustion needs. The cover shall be firmly fixed or weighed down to hold in place. Covering shall be done concurrently with piling.
- (2) Notwithstanding the provisions of Section 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by the 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 the earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or designated representative, assist in preparing units for burning by furnishing, at the Purchaser's own expense, the services of personnel and equipment on each unit as shown below.

For igniting and burning all slash piles in the Contract Area, the Purchaser shall provide one (1) eight (8) person hand crew including a designated crew foreman. The crew shall be equipped with fuel, ten (10) drip torches or propane burners, four (4) fire shovels, four (4) pulaskis, one (1) power saw and enough radios to facilitate inter-crew communications.

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 with the following personal safety equipment: lug-soled leather boots with minimum eight (8) inch uppers that provide ankle support; an approved hardhat; leather gloves; long pants and a long sleeve shirt made of approved aramid fabric (Nomex or equivalent); and an approved fire shelter.

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.

In addition, all listed personnel directly involved in burning operations shall be certified Firefighter Type 2 (FFT2), as a minimum requirement, qualified according to National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System guide, PMS 310-1 and provide documentation. The work leaders must be fluent in English and be able to effectively speak to all crew members under their direction. Personnel who do not meet these requirements or who do not have proper clothing and personal protective equipment (PPE) will not be allowed to participate.

Except as provided hereafter for fire escapement, the Purchaser shall continue the required assistance in mop up on each unit shown on Exhibit A for seventy-two (72) hours as directed by the Authorized Officer within a thirty (30) day period 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, take action to suppress, including control and mop-up, the escaped fire until released from such services 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 the Purchaser for such additional use of personnel and equipment at wage rates shown in the current Administratively Determined Pay Rates for Western Area and at equipment rates shown in the current Oregon-Washington Interagency Fire Fighting Equipment Rental Rates schedule, until the Purchaser is released from such service by the Government, or
- (2) release the Purchaser from additional suppression work and assume responsibility for suppressing the escaped fire.

In situations where an escaped fire is controlled and contained by an adequate fire break (e.g., trail, road, stream, rock formation), 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 a 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 shall also be responsible for such additional costs.

Section 42(F) Optional Contributions:

- (1) The Purchaser shall assist in burning as described in Section 42(F)(2). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a contribution to the Bureau of Land Management in the amount of two thousand six hundred and seventy-nine and 60/100 dollars (\$2,679.60) and upon making such contribution, the Purchaser shall be relieved of the obligations

set out in these subsections. The amount of the contribution shown above shall be paid prior to cutting. The Purchaser shall notify the Authorized Officer of his intention to make this contribution upon execution of this contract.

Section 42(G) Log Exports:

- (1) All timber sold to the Purchaser under the terms of this contract, except exempted species, is restricted from export from the United States in the form of unprocessed timber, and is prohibited from being used as a substitute for exported private timber. For the purpose of this contract, unprocessed timber is defined as: (1) any logs except those of utility grade or below, such as sawlogs, peeler logs and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three-quarters (8¾) inches in thickness; (3) split or round bolts or other roundwood not processed to standards and specifications suitable for end-product uses; or (4) western red cedar lumber which does not meet lumber of American Lumber Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 Common or better. Thus, timber manufactured into the following will be considered processed: (1) lumber and construction timber, regardless of size, manufactured to standards and specifications suitable for end-product uses; (2) chips, pulp, and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacturing of eight and three-quarters (8¾) inches in thickness or less; (6) shakes and shingles.

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

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

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

In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party buying, exchanging, or receiving such timber to execute a Form 5460-16 (Certificate as to No substitution and the Domestic Processing of Timber). The original of such certification shall be filed with the Authorized Officer. Additionally, when the other party is an affiliate of the Purchaser, the Purchaser will be required to update information under item (2) of Form 5450-17 (Export Determination) and file the form with the Authorized Officer.

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

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

Unless otherwise authorized in writing by the Authorized Officer, the Purchaser shall brand clearly and legibly one end of all logs prior to the removal of timber from the contract area. One end of all branded logs to be processed domestically will be marked with a 3 square inch spot of highway yellow paint. The Purchaser will stop trucks for accountability monitoring at mutually agreed upon locations when notified by the Authorized Officer.

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

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.

Section 42(H) Safety:

- (1) Purchaser's operations shall facilitate BLM's safe and practical inspection of Purchaser's operations and BLM's conduct of other official duties on Contract Area. Purchaser has all responsibility for compliance with safety requirements for Purchaser's employees, contractors and subcontractors.

In the event that the Authorized Officer identifies a conflict between the requirements of this contract or agreed upon methods of proceeding hereunder and State or Federal safety requirements, the contract may be modified. If the cost of such contract modification is of a substantial nature (\$2,000.00 or more), the Purchaser may request, in writing, an adjustment in the total contract purchase price specified in Section 2 of the timber sale contract, as amended, to compensate for the changed conditions.

Unless otherwise specified in writing, when operations are in progress adjacent to or on roads and/or trails in the harvest unit area, Purchaser shall furnish, install, and maintain all temporary traffic controls that provide the road or trail user with adequate warning of and protection from hazardous or potentially hazardous conditions associated with its operations. Purchaser shall prepare a Traffic Control Plan, which the Purchaser has determined is compliant with state and local OSHA and Transportation standards no later than the pre-work meeting and prior to commencing operations. Traffic control devices shall be appropriate to current operating and/or

weather conditions and shall be covered or removed when not needed. Flagmen and devices shall be as specified in state OSHA and Transportation standards for logging roads or the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD) published by the U.S. Department of Transportation – Federal Highway Administration. Included in the Traffic Control Plan, Purchaser shall note traffic control device locations on a Purchaser produced copy of the contract Exhibit A Map.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0113
Expires: July 31, 1992

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

LUMP SUM SALE

Tract Number
(1) 2018.0008
Sale Name
Mister Ed Suppression Deck Removal
Sale Notice (dated)
December 26, 2017 (sale date 01/23/2018)
BLM District
Roseburg

☐ Sealed Bid for Sealed Bid Sale ☒ Written Bid for Oral Auction Sale

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

Required bid deposited is \$ **8,000.00** and is enclosed in for 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			(Est. Volume MBF 16' Log)		ORAL BID MADE	
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Incense-cedar	MBF	35	x _____ = _____		x _____ = _____	
Grand Fir	MBF	35	x _____ = _____		x _____ = _____	
Sugar Pine	MBF	14	x _____ = _____		x _____ = _____	
Western Hemlock	MBF	7	x _____ = _____		x _____ = _____	
Western Redcedar	MBF	7	x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
Totals	MBF	702	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	Business address, include zip code <i>(type or print)</i>
<input type="checkbox"/> Corporation organized under the state laws of	<i>(To be completed following oral bidding)</i>
Signature of Authorized Corporate Signing Officer	I HEREBY confirm the above oral bid By <i>(signature)</i>
Title	Date
Submit bid, in <i>duplicate</i> , to qualify for either an oral auction or sealed bid sale together with the required bid deposit made payable to the Department of the Interior—BLM.	Sealed Bid — Send to District Manager, who issued the sale notice, in a sealed envelope marked on the outside: (1) "Bid for Timber" (2) Vegetative Resource Other Than Timber (3) Time bids are to be opened (4) Legal description
Oral Auction — Submit to Sales Supervisor prior to closing of qualifying period for tract.	

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et. seq.) requires us to inform you that:

This information is being collected to obtain data relevant to the operation of this timber sale contract.

This information will be used to administer our timber sale program.

Response to this request is required to obtain a benefit.

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 timer or vegetative resources.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 1 hr. 15 min. per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W. Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0113), Washington, D.C. 20503.

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.*

*Applies to Timber Only

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.

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 Num-

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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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0113
Expires: July 31, 1992

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

LUMP SUM SALE

Tract Number
(1) 2018.0008
Sale Name
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☐ Sealed Bid for Sealed Bid Sale ☒ Written Bid for Oral Auction Sale

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☐ guaranteed remittance approved by the authorized officer.

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

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	MBF		x _____ = _____		x _____ = _____	
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(Continued on reverse)

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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	Business address, include zip code <i>(type or print)</i>
<input type="checkbox"/> Corporation organized under the state laws of	<i>(To be completed following oral bidding)</i>
Signature of Authorized Corporate Signing Officer	I HEREBY confirm the above oral bid By <i>(signature)</i>
Title	Date
Submit bid, in <i>duplicate</i> , to qualify for either an oral auction or sealed bid sale together with the required bid deposit made payable to the Department of the Interior—BLM.	Sealed Bid — Send to District Manager, who issued the sale notice, in a sealed envelope marked on the outside: (1) "Bid for Timber" (2) Vegetative Resource Other Than Timber (3) Time bids are to be opened (4) Legal description
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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 timer or vegetative resources.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 1 hr. 15 min. per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W. Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0113), Washington, D.C. 20503.

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.*

*Applies to Timber Only

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.

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 Num-

ber 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.

Township 30 South, Range 7 West, Sections 19, 21, 27, 29, & 30 Willamette Meridian
Township 30 South, Range 8 West, Section 35 Willamette Meridian
Township 31 South, Range 6 West, Section 7 Willamette Meridian
Township 31 South, Range 7 West, Sections 13 & 17 Willamette Meridian
Township 31 South, Range 8 West, Sections 11, 13, & 15 Willamette Meridian

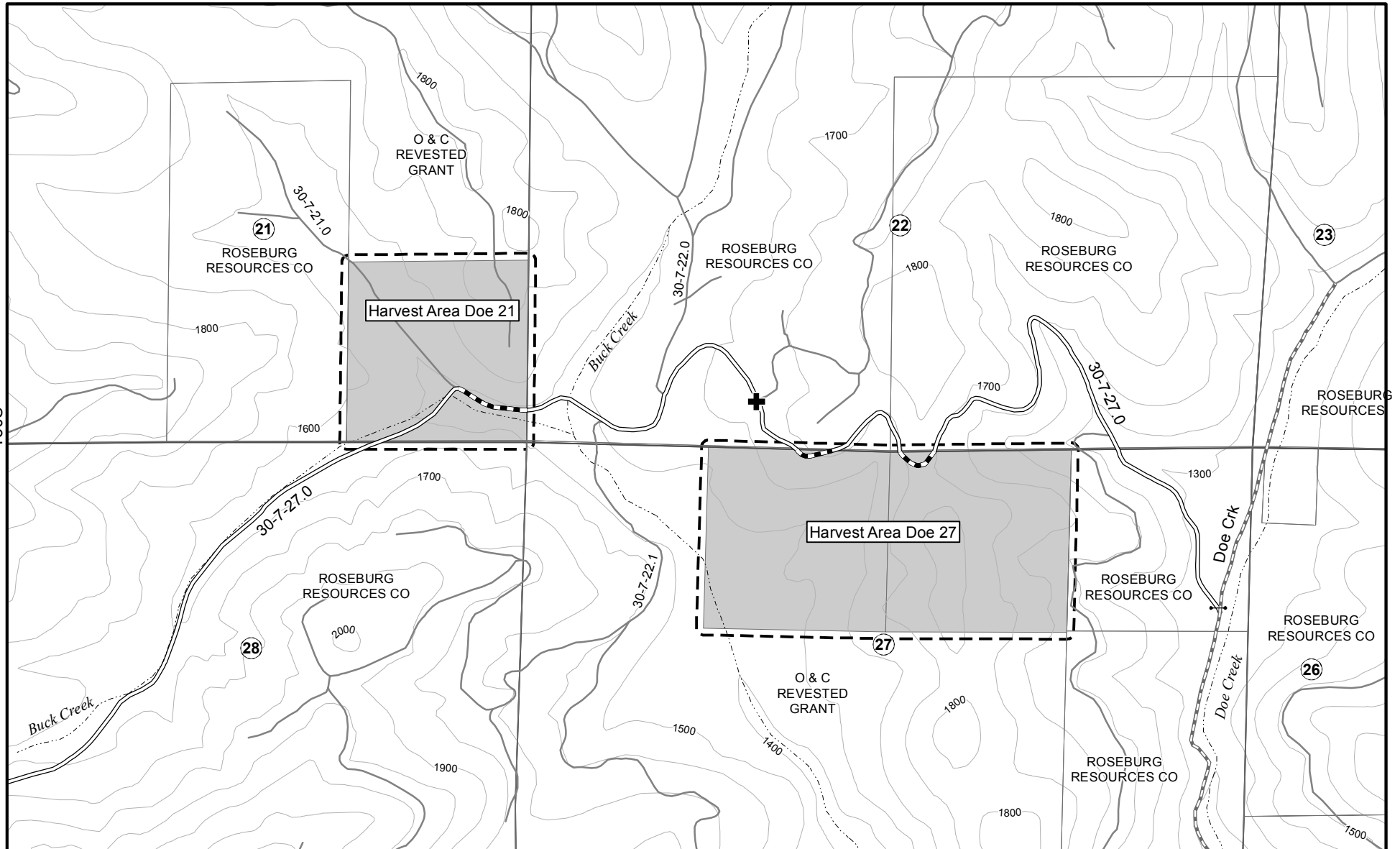
TOTAL HARVEST AREA-----	40	Acres
RESERVE AREA -----	2041	Acres
TOTAL CONTRACT AREA -----	2081	Acres

1. Harvest Area boundaries are posted with tags that read "Boundary of Timber Reserve" and trees are painted pink.
2. Trees and logs marked with pink paint in all Harvest Areas are reserved by the Government.
3. Felled trees and logs outside of the Harvest Area marked with blue paint can be removed.
4. Property lines are posted with orange and white tags that read "Timber Cutting Boundary".
5. Felled trees and logs designated for removal lay along the roadside, or are cut-to-length and decked.



R07W

T30S



Legend

- Gate
- Blue Painted Logs
- Major Stream
- Existing Roads
- Haul Route
- Roadside Removal Harvest Area
- County Road
- Contract Area
- Reserve Area

1:12,000

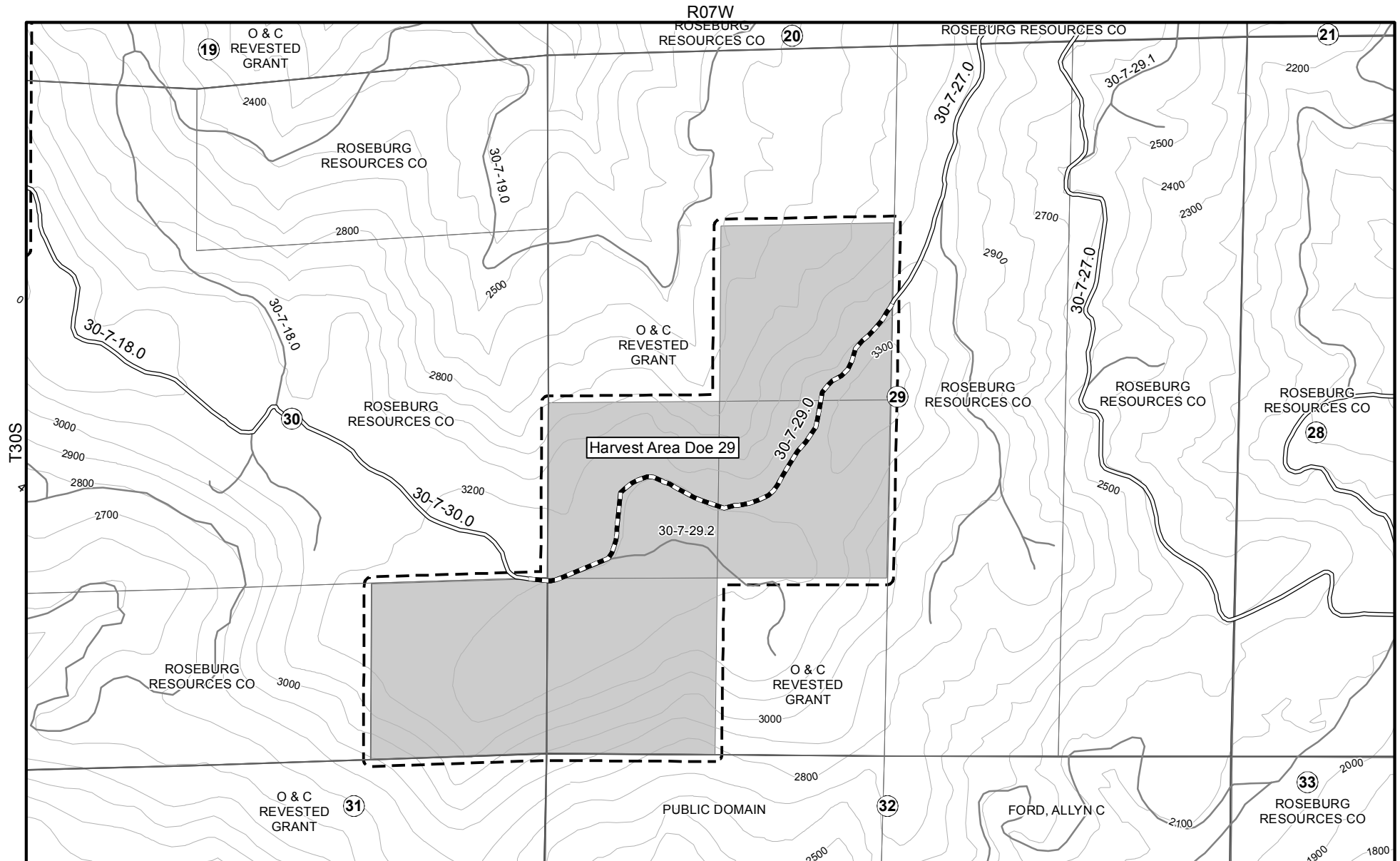


Date: 12/15/2017

Roseburg District
Bureau of Land Management
777 NW Garden Valley Blvd.
Roseburg, Oregon 97471



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.



Legend

- Gate
- Major Stream
- Existing Roads
- Haul Route
- Roadside Removal Harvest Area
- Contract Area
- Reserve Area

1:12,000

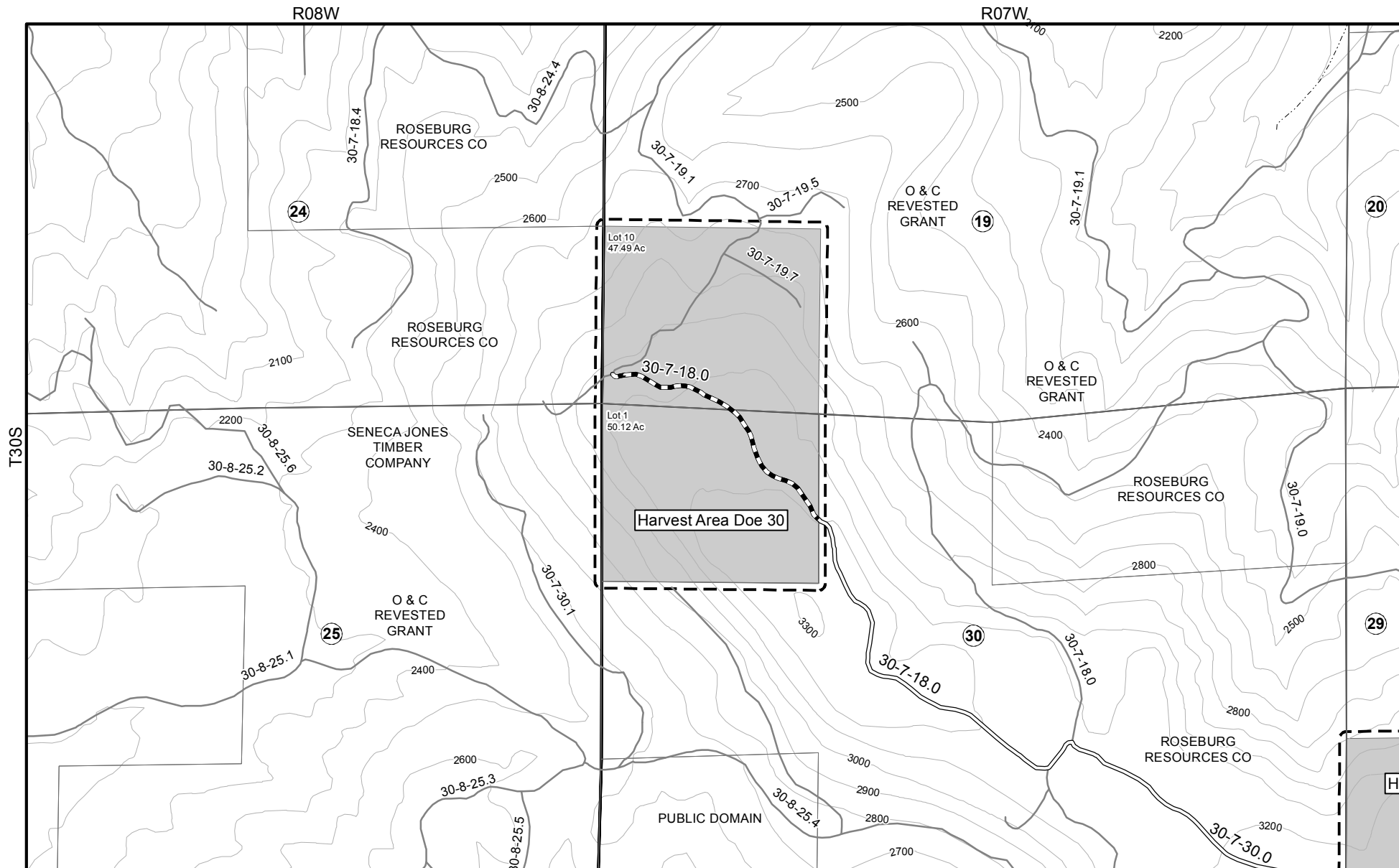


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Legend

- Gate
- Major Stream
- Existing Roads
- Haul Route
- Roadside Removal Harvest Area
- Contract Area
- Reserve Area

1:12,000



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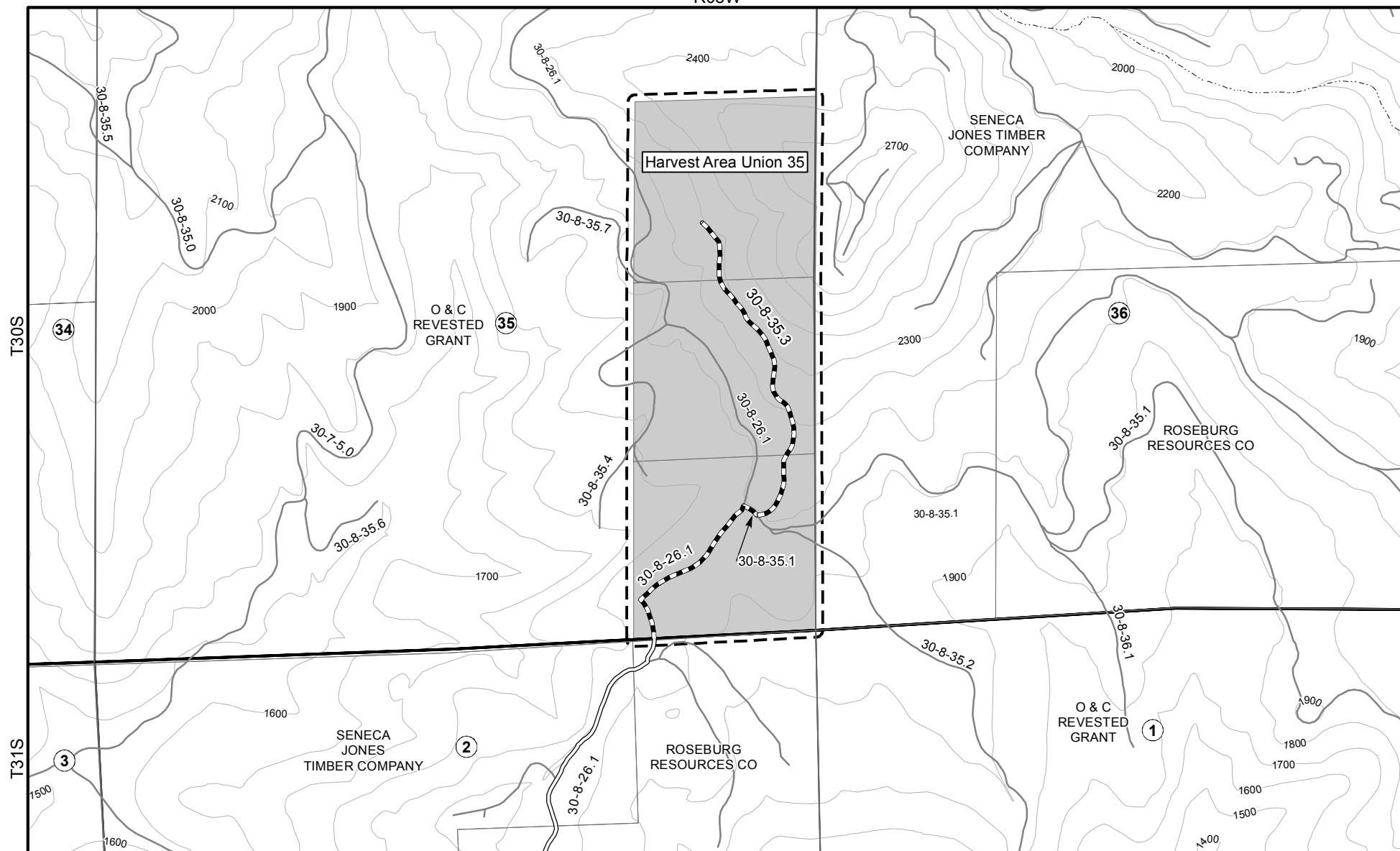
EXHIBIT A

Sheet 5 of 11








R08W

Mister Ed Suppression Deck Removal

Contract # ORR05-TS-2018.0008



Legend

-  Gate
  Roadside Removal Harvest Area
 Major Stream
  Contract Area
 Existing Roads
  Reserve Area
 Haul Route

1:12,000

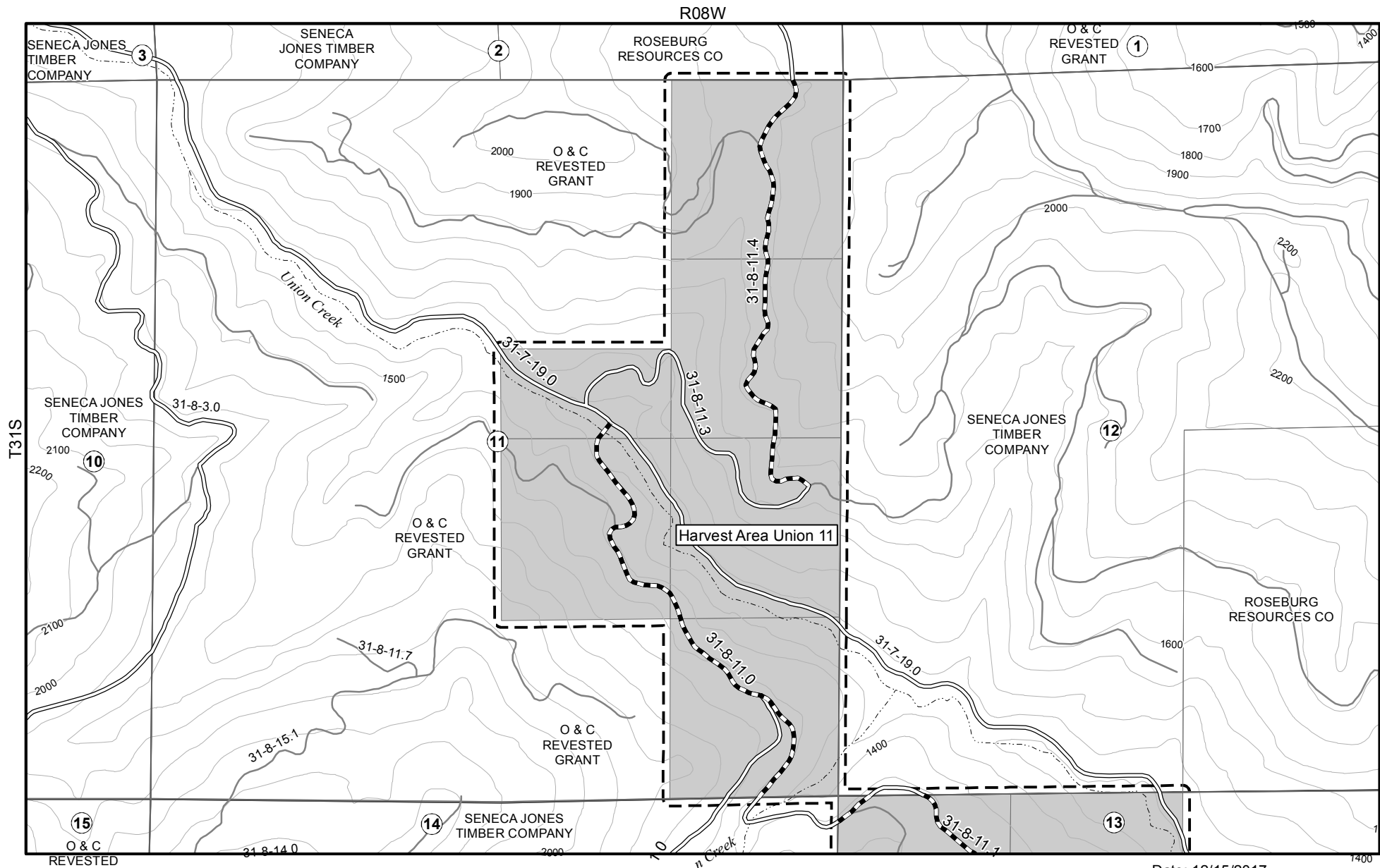


Date: 12/15/2017

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Roseburg, Oregon 97471



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Legend

- Gate
- Major Stream
- Existing Roads
- Haul Route
- Roadside Removal Harvest Area
- Contract Area
- Reserve Area

1:12,000



Date: 12/15/2017

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Roseburg, Oregon 97471

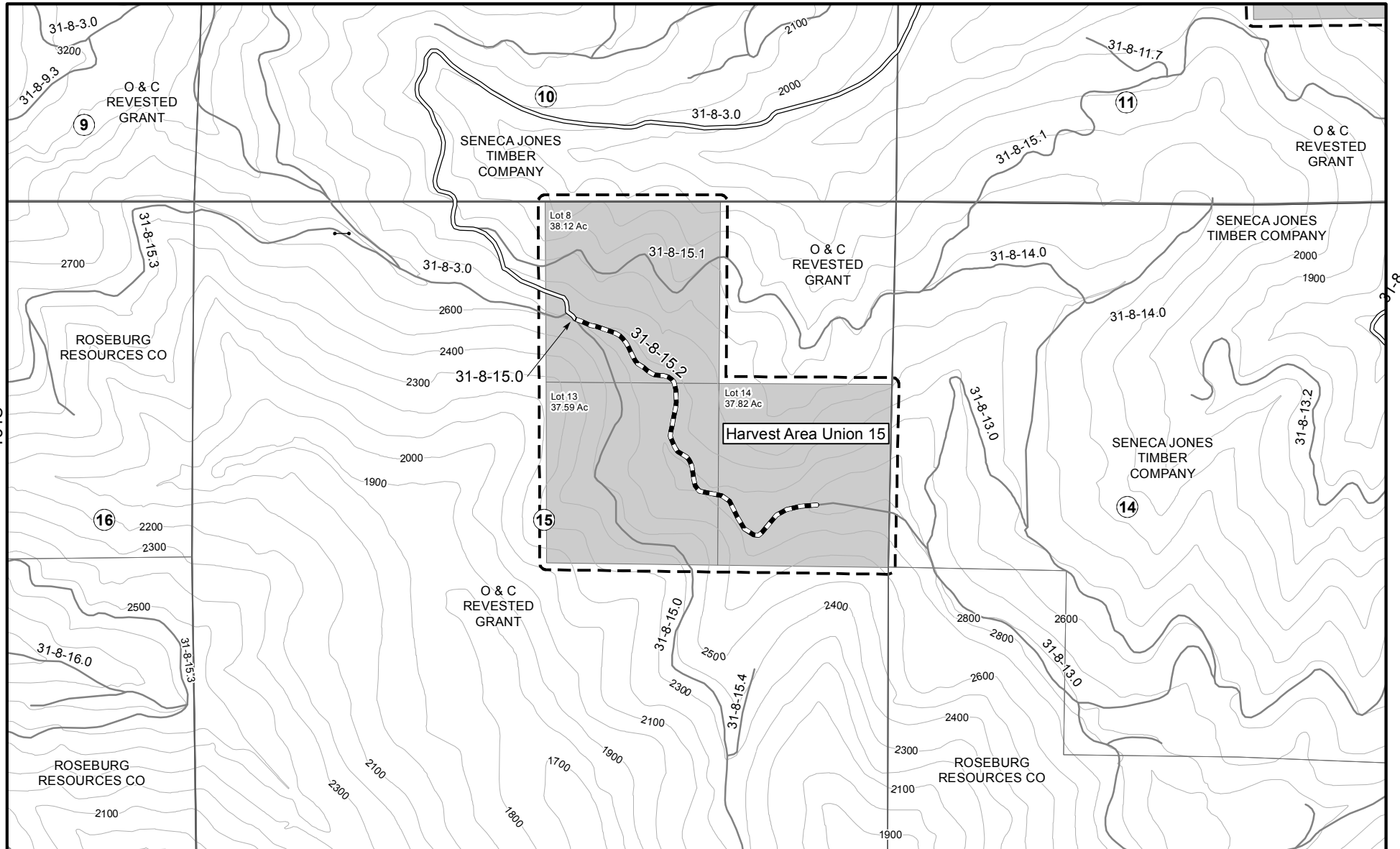


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R08W

T31S



Legend

- Gate
- Major Stream
- Existing Roads
- Haul Route
- Roadside Removal Harvest Area
- Contract Area
- Reserve Area

1:12,000

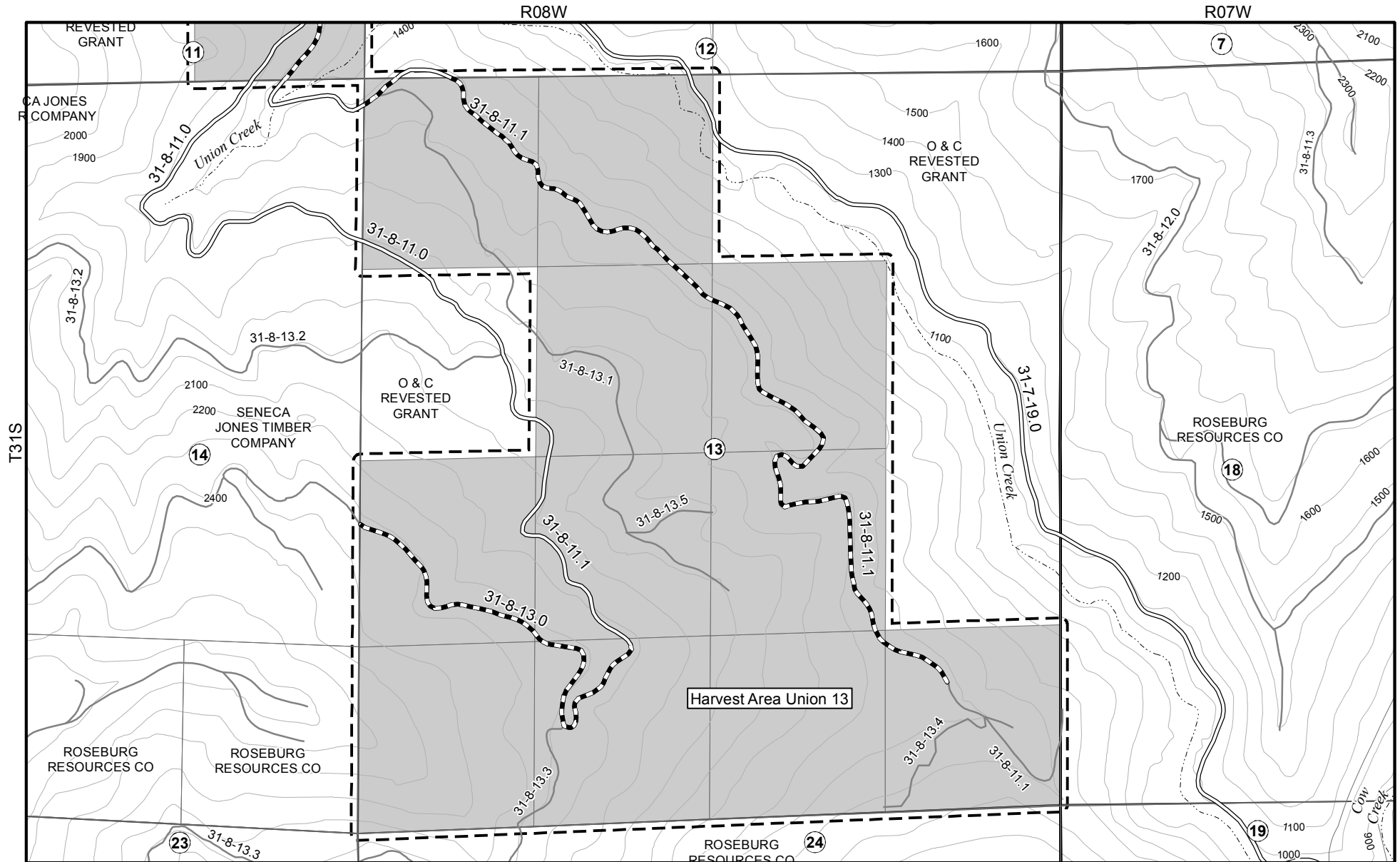


Date: 12/15/2017

Roseburg District
Bureau of Land Management
777 NW Garden Valley Blvd.
Roseburg, Oregon 97471



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Legend

- Gate
- Major Stream
- Existing Roads
- Haul Route
- Roadside Removal Harvest Area
- Contract Area
- Reserve Area

1:12,000



Date: 12/15/2017

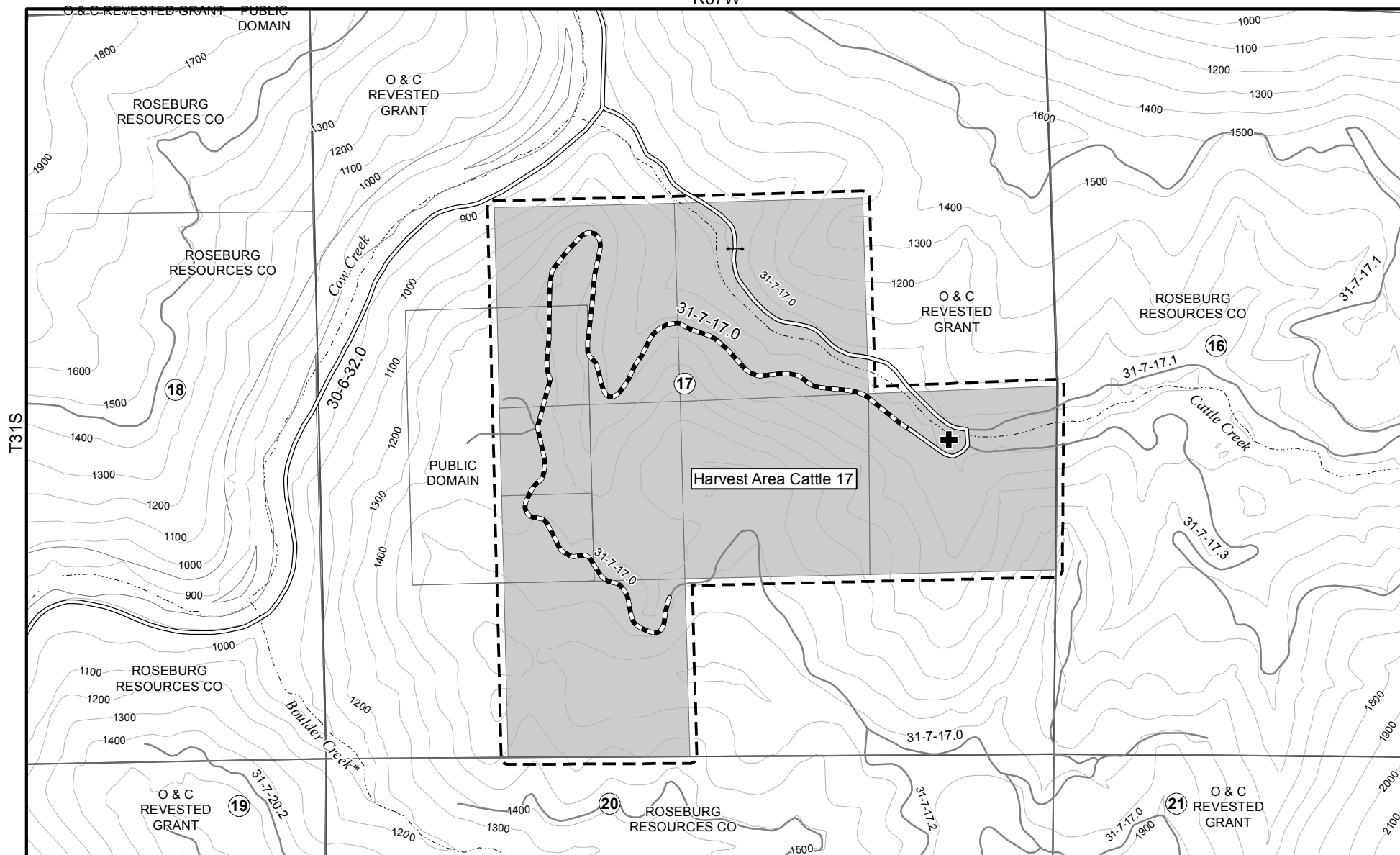
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Bureau of Land Management
777 NW Garden Valley Blvd.
Roseburg, Oregon 97471



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R07W



Legend

- Gate
- Blue Painted Logs
- Major Stream
- Existing Roads
- Haul Route
- Roadside Removal Harvest Area
- Contract Area
- Reserve Area

1:12,000



Date: 12/15/2017

Roseburg District
Bureau of Land Management
777 NW Garden Valley Blvd.
Roseburg, Oregon 97471



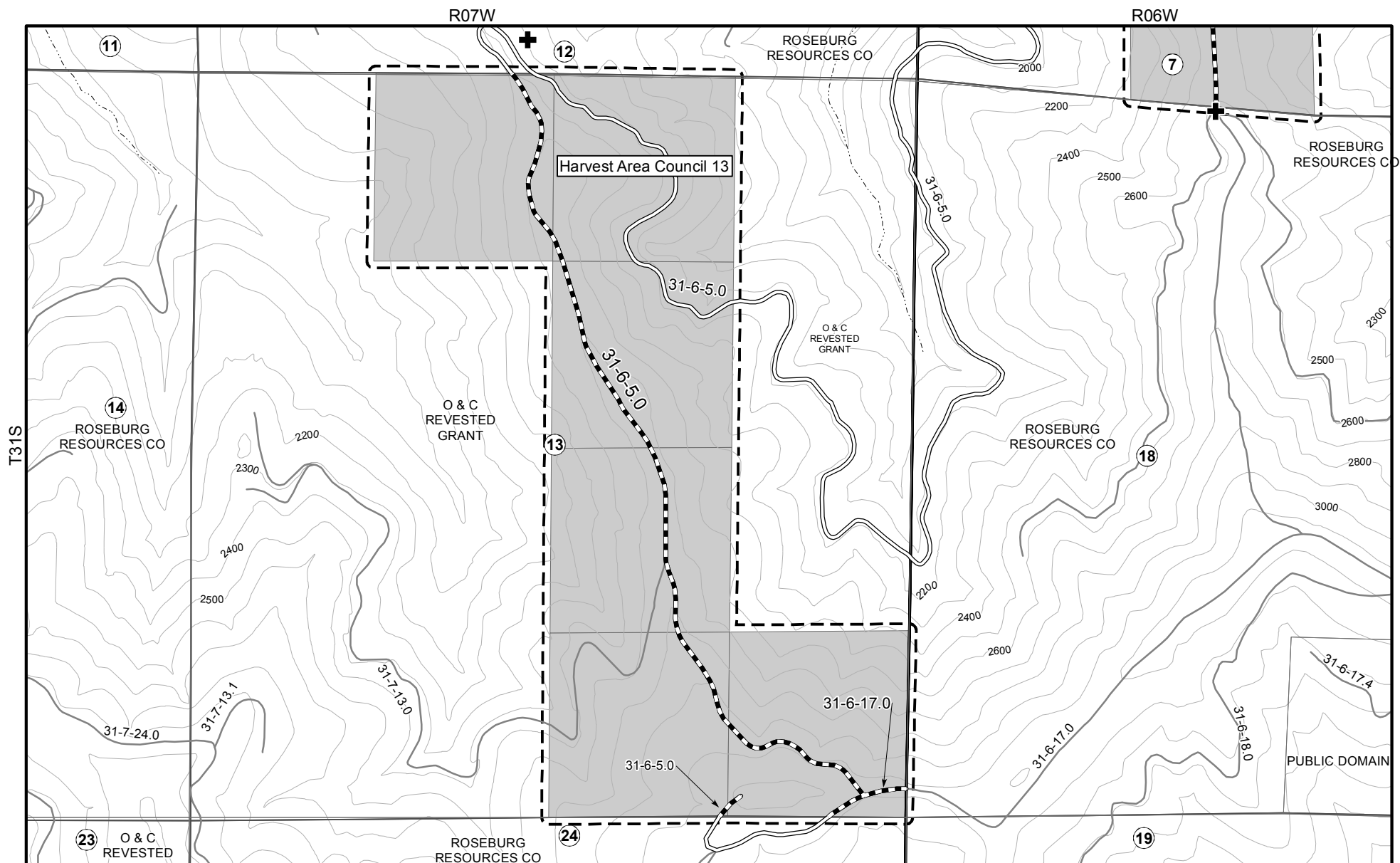
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EXHIBIT A









Sheet 10 of 11

Mister Ed Suppression Deck Removal

Contract # ORR05-TS-2018.0008



Legend

-  Gate
  Roadside Removal Harvest Area
 Blue Painted Logs
  Contract Area
 Major Stream
  Reserve Area
 Existing Roads
 Haul Route

1:12,000

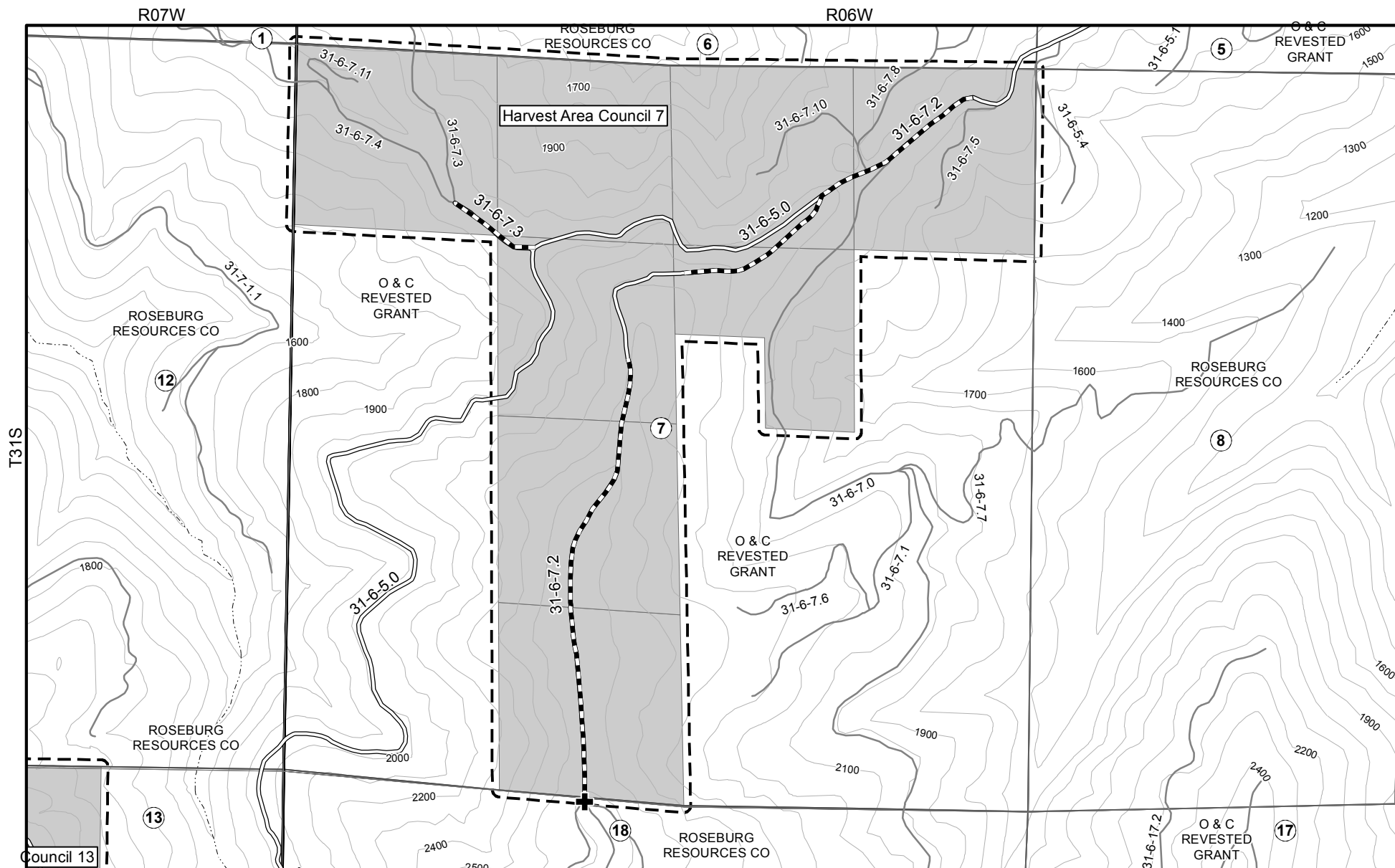


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Legend

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- Contract Area
- Reserve Area

1:12,000



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

**EXHIBIT B
SCALE SALE
PURCHASE PRICE SCHEDULE AND
MEASUREMENT SPECIFICATIONS**

Contract No.: ORR05-TS-2018.0008

**Sale Name: Mister Ed Suppression
Deck Removal**

Issuing Office: Roseburg

I. Total Actual Purchase Price - In accordance with Section 3(f) 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
Douglas-fir	MBF	\$125.30
Ponderosa Pine	MBF	\$30.40
Incense-cedar	MBF	\$66.70
Grand Fir	MBF	\$37.60
Sugar Pine	MBF	\$29.60
Western Hemlock	MBF	\$40.10
Western Redcedar	MBF	\$469.40

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	16 feet	6 inches	33 1/3% of gross volume of any log segment

If Purchaser elects to remove any logs which do not meet the above minimum log specifications and which have not been reserved to Government in Sec. 41 of the contract, such logs shall be scaled for their merchantable content as provided herein and be paid for in accordance with Sec. 2 and 3 of this contract and the value in Section 1 of this Exhibit.

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.(g). 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.

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 Instruction Memorandum OR-2003-081, Item 2b (Administrative Check Scaler). 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, as set forth in Instruction Memorandum OR-2003-081, Item 2b (Administrative Check Scaler), 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 five (5) 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. 42(A) of the contract. If Sale Area is within a State that maintains a log brand register, brands shall be registered with the State. Purchaser shall use assigned brand(s) exclusively on logs from this sale until the Authorized Officer releases the brand(s).** 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. A designated area shall be identified at the yard scaling location for logs arriving during off hours. Logs arriving during off hours shall be left on the truck or may be off loaded to the designated area.
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 42(A) 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.

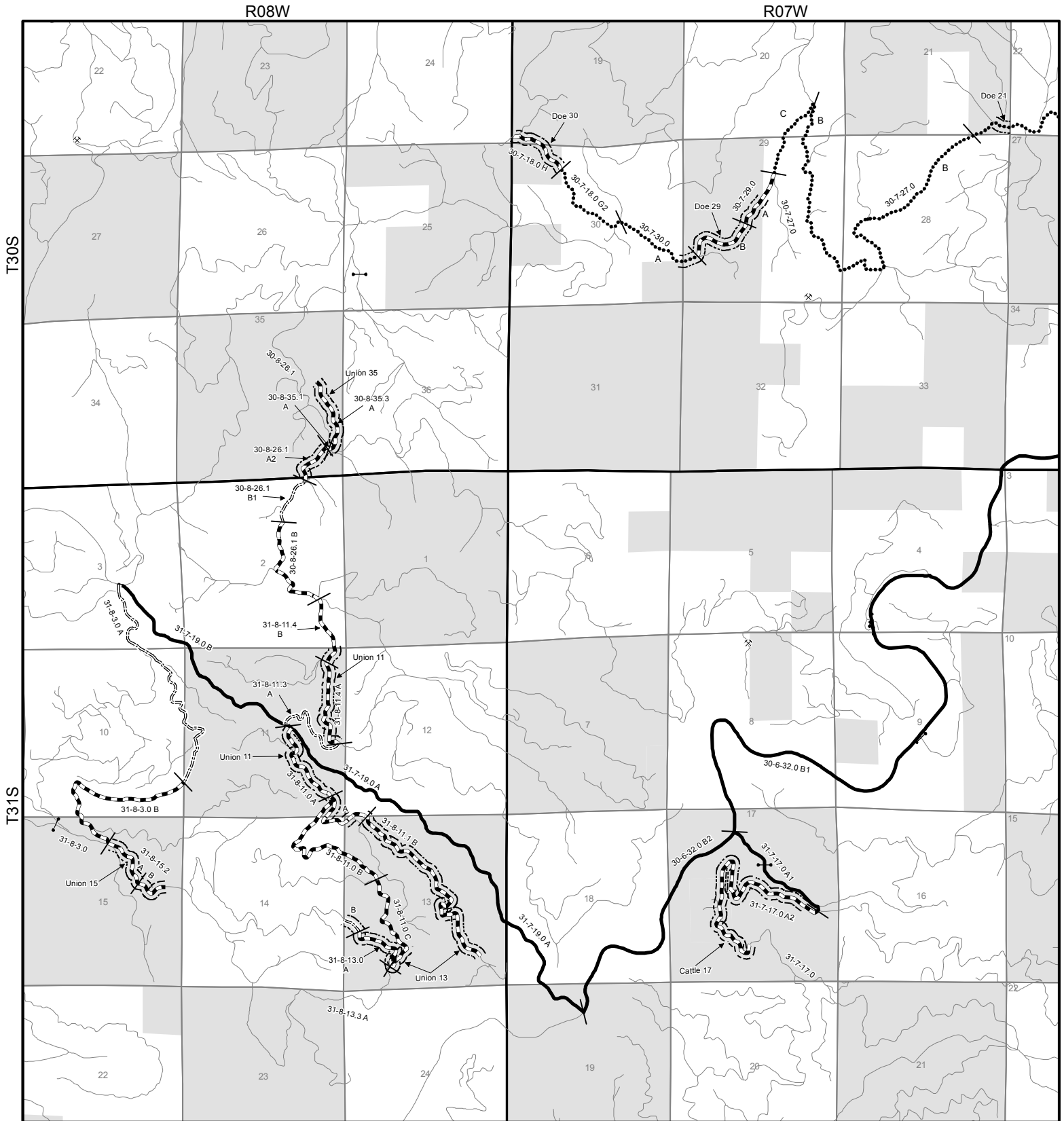
H. **Scaling Lost Products** - The value of lost loads shall be equal to the highest value load for the month in which the lost load is hauled regardless of where the highest value load is scaled. If no loads have been scaled in that month, value will be determined from the closest month in which loads 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
Doe 30	1	20.0	20.0	\$2,182.10	\$2,182.10
Doe 21	1	24.0	24.0	\$2,795.10	\$2,795.10
Doe 27	1	4.0	4.0	\$442.60	\$442.60
Doe 29	3	23.0	69.0	\$2,618.03	\$7,854.10
Union 35	3	9.7	29.0	\$1,047.50	\$3,142.50
Union 11	5	13.0	65.0	\$1,490.28	\$7,451.40
Union13	8	11.8	104.0	\$1,593.66	\$12,749.30
Union 15	2	15.0	30.0	\$1,802.75	\$3,605.50
Cattle 17	6	20.3	122.0	\$2,195.95	\$13,175.70
Council 7	5	12.0	80.0	\$1,858.08	\$9,290.40
Council 13	5	31.0	155.0	\$3,441.50	\$17,207.50
Total	40	17.6	702	\$1,997.41	\$79,896.20



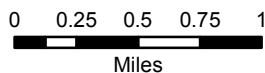
Legend

- BLM Ownership
- Doe 30 Roadside Harvest Areas
- Existing Road

Haul Route

- BLM Maintenance
- Purchaser Maintenance
- RRC Maintenance
- Seneca Maintenance
- Gate

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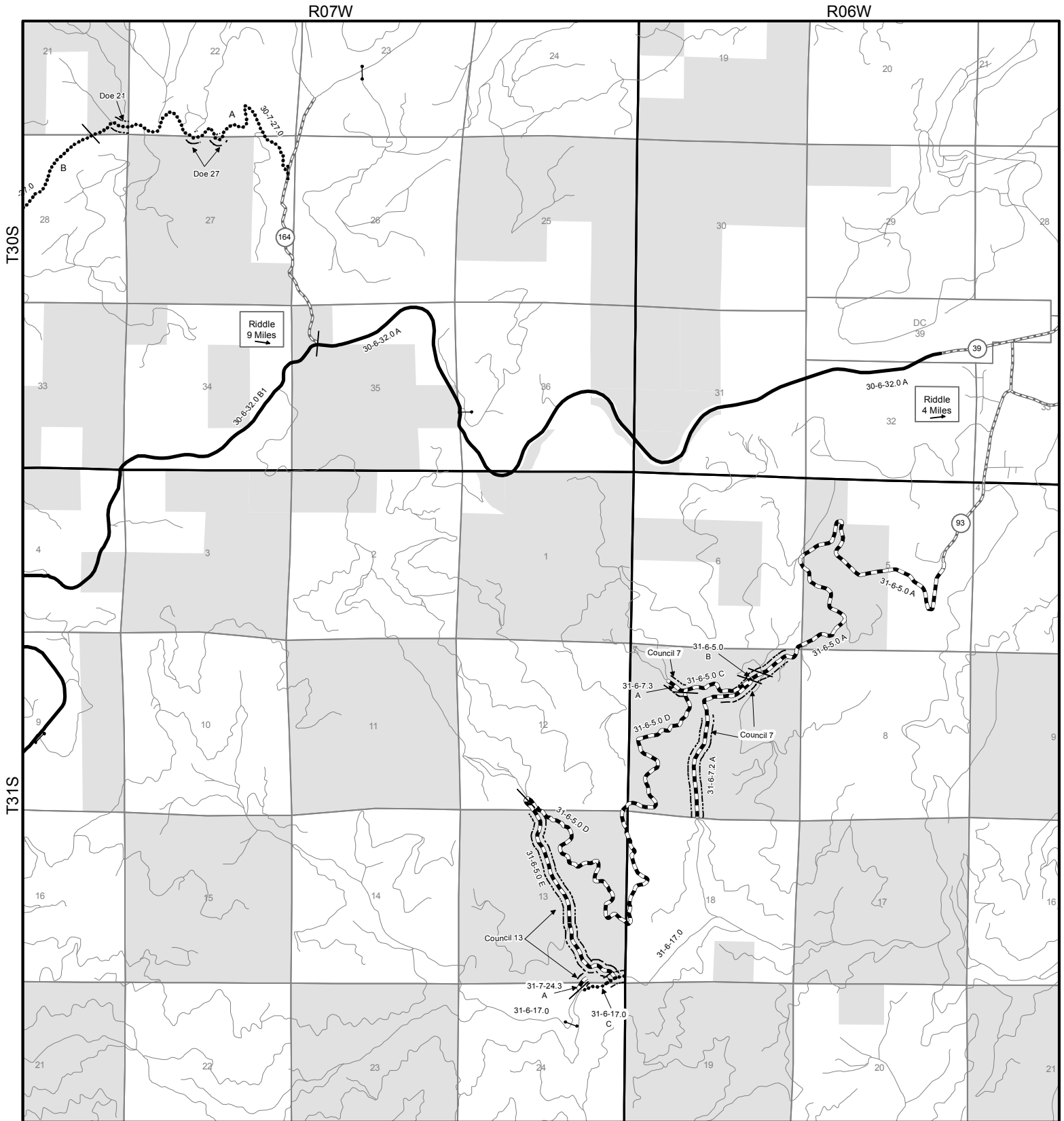


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Date: 12/15/2017

Roseburg District
Bureau of Land Management
777 NW Garden Valley Blvd.
Roseburg, Oregon 97471



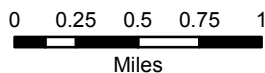


Legend

- BLM Ownership
- Doe 30 Roadside Harvest Areas
- Existing Road
- County Road

Haul Route

- BLM Maintenance
- Purchaser Maintenance
- RRC Maintenance
- Gate



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Date: 12/15/2017

Roseburg District
Bureau of Land Management
777 NW Garden Valley Blvd.
Roseburg, Oregon 97471



**United States Department of the Interior
Bureau of Land Management Roseburg District
EXHIBIT D**

Sale Name: Mister Ed Suppression Deck Removal							
Contract No. ORR05-TS-2018.0008							
Road Number	Road Seg.	Segment Length	Segment Owner	Road Use Fees	Surface Type	Timber Haul Fees	Maintained By
30-6-32.0	A	5.20	BLM		BST	\$0.92	BLM
30-6-32.0	B1	6.20	BLM		BST	\$0.92	BLM
30-6-32.0	B2	1.61	BLM		BST	\$0.92	BLM
30-7-18.0	G2 (Base)(Por)	0.63	RRC	Paid Off	Rock	\$1.55	RRC
30-7-18.0	G2 (Imp)	0.63	BLM		Rock		Purchaser
30-7-18.0	H	0.30	BLM		Rock	\$0.60	Purchaser
30-7-27.0	A (Base)	1.90	RRC	\$0.45	Native	\$0.95	RRC
30-7-27.0	A (Imp)	1.90	RRC	\$0.25	Rock	\$0.60	RRC
30-7-27.0	B	2.70	RRC	\$4.31	Rock	\$1.55	RRC
30-7-27.0	C	0.45	RRC	\$4.29	Rock	\$1.55	RRC
30-7-29.0	A (Base)	0.37	BLM		Native		Purchaser
30-7-29.0	A (Imp)	0.37	RRC	Free Use	Rock	\$0.60	Purchaser
30-7-29.0	B (Base)	0.45	BLM		Native		Purchaser
30-7-29.0	B (Imp)	0.45	RRC	Free Use	Rock	\$0.60	Purchaser
30-7-30.0	A (Base)	0.55	RRC	Paid Off	Rock	\$1.55	RRC
30-7-30.0	A (Imp)	0.55	BLM		Rock		Purchaser
30-8-26.1	A2 (Base)	0.30	BLM		Native		Purchaser
30-8-26.1	A2 (Imp)	0.30	RRC	\$0.20	Rock	\$0.60	Purchaser
30-8-26.1	B (Base)	0.69	RRC	\$0.86	Rock		Purchaser
30-8-26.1	B (Imp)	0.69	RRC	\$0.27	Rock	\$0.60	Purchaser
30-8-26.1	B1	0.26	SENECA	\$0.86	Rock	\$1.55	Seneca
30-8-35.1	A (Por)	0.02	RRC	\$0.14	Rock	\$0.60	Purchaser
30-8-35.3	A	0.50	BLM		Rock	\$0.60	Purchaser
31-6-17.0	C (Por)	0.29	RRC	\$0.44	Rock	\$1.55	RRC
31-6-5.0	A	2.92	BLM		Rock	\$0.60	Purchaser
31-6-5.0	B	0.24	BLM		Rock	\$0.60	Purchaser
31-6-5.0	C	0.35	BLM		Rock	\$0.60	Purchaser
31-6-5.0	D	3.46	BLM		Rock	\$0.60	Purchaser
31-6-5.0	E	1.32	BLM		Rock	\$0.60	Purchaser
31-6-7.2	A	1.02	BLM		Rock	\$0.60	Purchaser
31-6-7.3	A (Por)	0.13	RRC	\$5.51	Rock	\$0.60	Purchaser
31-7-17.0	A1	0.73	BLM		Rock	\$1.55	BLM
31-7-17.0	A2	1.54	BLM		Rock	\$0.60	Purchaser
31-7-19.0	A	2.70	BLM		BST	\$0.92	BLM

**United States Department of the Interior
Bureau of Land Management Roseburg District
EXHIBIT D**

Sale Name: Mister Ed Suppression Deck Removal							
Contract No. ORR05-TS-2018.0008							
Road Number	Road Seg.	Segment Length	Segment Owner	Road Use Fees	Surface Type	Timber Haul Fees	Maintained By
31-7-19.0	B	1.50	BLM		BST	\$0.92	BLM
31-7-24.3	A	0.10	BLM		Rock	\$0.60	Purchaser
31-8-11.0	A	0.50	BLM		Rock	\$0.60	Purchaser
31-8-11.0	B	1.08	BLM		Rock	\$0.60	Purchaser
31-8-11.0	C	0.66	BLM		Rock	\$0.60	Purchaser
31-8-11.1	A	0.50	BLM		Rock	\$0.60	Purchaser
31-8-11.1	B	1.40	BLM		Rock	\$0.60	Purchaser
31-8-11.3	A	0.50	SENECA	\$0.16	Rock	\$1.55	Seneca
31-8-11.4	A	0.59	BLM		Rock	\$0.60	Purchaser
31-8-11.4	B	0.46	BLM		Rock	\$0.60	Purchaser
31-8-13.0	A (Base)	0.44	BLM		Native		Purchaser
31-8-13.0	A1 (Imp)	0.11	BLM		Rock	\$0.60	Purchaser
31-8-13.0	A2 (Imp)	0.33	SENECA	\$0.17	Rock		Seneca
31-8-13.0	B	0.20	SENECA	\$0.68	Rock	\$1.55	Seneca
31-8-15.2	A (Base)	0.33	BLM		Native		Purchaser
31-8-15.2	A (Imp)	0.33	RRC	Free Use	Rock	\$0.60	Purchaser
31-8-15.2	B (Por)	0.20	RRC	Free Use	Rock	\$0.60	Purchaser
31-8-3.0	A (Base)	1.60	SENECA	\$0.14	Native	\$1.55	Seneca
31-8-3.0	A (Imp)	1.63	BLM		Rock		Purchaser
31-8-3.0	B	1.30	BLM		Rock	\$0.60	Purchaser

ROAD MAINTENANCE SPECIFICATIONS

General road maintenance specifications are designated by numeric symbols according to the type of work performed as follows:

SECTION	DESCRIPTION
3000	General
3100	Operational Maintenance
3200	Seasonal Maintenance
3300	Final Maintenance
3400	Other Maintenance

ROAD MAINTENANCE SPECIFICATIONS

GENERAL - 3000

- 3001 The Purchaser shall be required to maintain all roads listed and/or referenced in Exhibit D 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, improved, or renovated under 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. 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.
- 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, street sweeper, 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.
- 3104b The Purchaser shall be responsible for removal of all slides or slough, 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.

ROAD MAINTENANCE SPECIFICATIONS

Prior to removal of any slough or slide 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, method of disposal, and the disposal site. Work may commence immediately after agreement.

Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work, based on current BLM 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.

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.

ROAD MAINTENANCE SPECIFICATIONS

- 3108a The Purchaser shall perform logging operations on gravel or bituminous roadways only where the locations have been marked on the ground and/or approved by the Authorized Officer. Repair of the roads is not considered maintenance and shall be repaired at the Purchaser's expense.
- 3109 The maximum allowable rut depth on aggregate surfaced roads is 2". Roads with ruts exceeding this requirement shall be bladed and brought back into conformance with the typical sections shown in the drawings. Rut depth shall be measured by centering a minimum 3 foot long straightedge across the wheel rut maintaining contact with the aggregate at both ends of the strait edge. The rut depth shall be the distance measured between the bottom of the straight edge and the lowest point of the wheel rut.

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.
- 3202 The Purchaser shall perform and complete maintenance specified in Sections 3000, 3100, and 3200 on all roads maintained by the Purchaser, prior to October 1 each year, except as specified in Subsection 3203, after initial commencement of construction or logging operations. Thereafter, all roads shall have continuous preventive maintenance and road cleanup until suspension of seasonal operations. This includes all roads used and not used during the 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 or the expiration of the Purchaser's right to cut and remove timber and in accordance with Sec. 16(b) of this contract. This work shall include any maintenance and/or damage repairs specified

ROAD MAINTENANCE SPECIFICATIONS

in Sections 3000, 3100, and 3200 necessary to meet the conditions specified in Subsection 3002 and shall be executed in accordance with Subsection 3302 of this section.

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

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

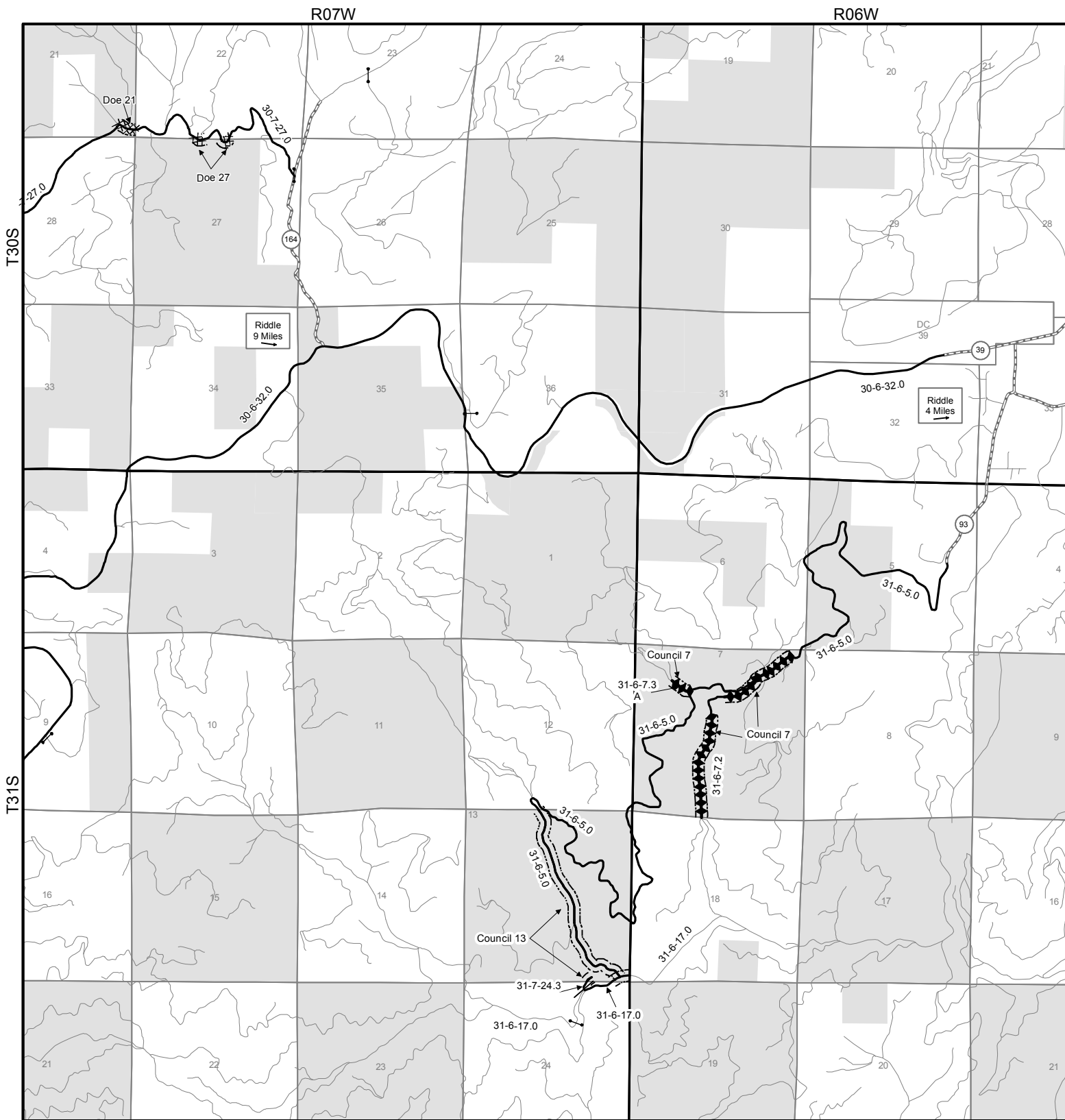
If final maintenance is delayed after the date required in Subsection 3301 of this contract by adverse soil moisture or unsuitable equipment operating conditions, the Purchaser will be notified by the Authorized Officer when soil moisture and equipment operating conditions are suitable. The Purchaser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

OTHER MAINTENANCE - 3400

3401 The Purchaser shall repair any damage to road surfaces that was specified under Subsection 3108. 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.

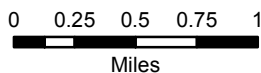
Upon receiving written authorization for ice or snow removal, the Purchaser will perform the work according to the conditions and equipment requirements set forth in the authorization.



Legend

- Haul Route
- Existing Road
- County Road
- Gate
- BLM Ownership
- Roadside Harvest Areas
- MAMU RESTRICTIONS (4/1-9/15)
- NSO RESTRICTIONS (3/1-7/15)
- NO RESTRICTIONS

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Date: 12/15/2017



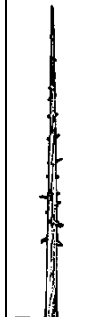


Roseburg District
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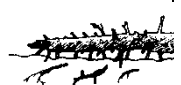



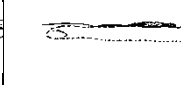
EXHIBIT F

ORR05-TS-2018.0008

Dead Tree Decay Classification

					
Class	1	2	3	4	5
Bark	Tight intact	50% loose or missing	75% Missing	75% Missing	75% Missing
Heartwood decay	Minor	None to advanced	Incipient to advanced	Incipient to advanced	Advanced to crumbly
Sapwood decay	None to incipient	None to incipient	None to 25%	25% +	50% + advanced
Limbs	Mostly present	Small limbs missing	Few remain	Few remain	Absent
Top breakage	May be present	May be present	Approx. 1/3	Approx. 1/3-1/2	Approx. 1/2 +
Bole form	Intact	Intact	Mostly intact	Losing form, soft	Form mostly lost

Coarse Woody Debris Decay Classification

					
Class	1	2	3	4	5
Bark	Intact	Intact	Trace	Absent	Absent
Twigs	Present	Absent	Absent	Absent	Absent
Texture	Intact	Intact to soft	Hard, large pieces	Soft, blocky pieces	Soft, powdery
Shape	Round	Round	Round	Round to oval	Oval
Color of wood	Original	Original	Original to faded	Light brown to faded brown	Faded to light yellow or gray
Bole portion on ground	None, elevated on supports	Parts touch, still elevated	Bole on ground	Partially below ground	Mostly below ground



**United States
Department of the Interior
Bureau of Land Management**

Timber Appraisal

Sale Name: Mr. Ed Suppression Deck Removal	Sale Date: Tuesday, January 23, 2018
BLM District: Roseburg DO	Unit of Measure: 16' MBF
Contract #: ORR05-TS-2018.0008	Contract Term: 12 months
Sale Type: Advertised	Contract Mechanism: 5450-4 Sale of Timber - Scale Sale

Content

Timber Appraisal Summary
Stumpage Summary
Unit Summary
Stump to Truck
Transportation
Engineering Allowances
Other Allowances

Prepared By: Kehoe, Mark C
Approved By: Snider, Douglas A

Legal Description of Contract Area

Land Status	County	Township	Range	Section	Subdivision	Meridian
O&C	Douglas	30S	7W	19	Lot 10	Willamette
O&C	Douglas	30S	7W	21	SE1/4SE1/4	Willamette
O&C	Douglas	30S	7W	27	NW1/4NE1/4,NE1/4NW1/4	Willamette
O&C	Douglas	30S	7W	29	SE1/4NW1/4, N1/2SW1/4, SW1/4SW1/4	Willamette
PD	Douglas	30S	7W	30	Lot 1, SE1/4SE1/4	Willamette
O&C	Douglas	30S	8W	35	SE1/4NE1/4,E1/2SE1/4	Willamette
O&C	Douglas	31S	6W	7	N1/2NE1/4,SW1/4NE1/4,N1/2NW1/4,SE1/4NW1/4,E1/2SW1/4	Willamette
O&C	Douglas	31S	7W	17	SW1/4NE1/4,SE1/4NW1/4,E1/2SW1/4, N1/2SE1/4	Willamette
PD	Douglas	31S	7W	17	SE1/4NW1/4,NE1/4SW1/4	Willamette
O&C	Douglas	31S	8W	11	NE1/4NE1/4,S1/2NE1/4,N1/2SE1/4,SE1/4SE1/4	Willamette
O&C	Douglas	31S	8W	13	SW1/4,NE1/4,N1/2NW1/4,SE1/4NW1/4,SW1/4,W1/2SE1/4,SE1/4SE1/4	Willamette
O&C	Douglas	31S	8W	15	Lots 8,13,14	Willamette
O&C	Douglas	31S	7W	13	W1/2NE1/4,NE1/4NW1/4,W1/2SE1/4,SE1/4SE1/4	Willamette

Species Totals

Species	Net	Gross Merch	Gross	# of Merch Logs	# of Cull Logs	# of Trees
Douglas Fir	568.0	648.0	648.0	0	0	0
Ponderosa Pine	36.0	41.0	41.0	0	0	0
Incense-cedar	35.0	40.0	40.0	0	0	0
Grandfir	35.0	40.0	40.0	0	0	0
Sugar Pine	14.0	16.0	16.0	0	0	0
Western Hemlock	7.0	8.0	8.0	0	0	0
Western Redcedar	7.0	8.0	8.0	0	0	0
Totals	702.0	801.0	801.0	0	0	0

Cutting Area Acres

Regeneration Harvest Acres	Partial Cut Acres	Right of Way Acres	Total Acres	Net Volume per Acre
0.0	0.0	40.0	40.0	17.6

Logging Costs

Stump to Truck	\$93,649.67
Transportation	\$27,680.00
Road Construction	\$90,837.99
Maintenance/Rockwear	\$9,850.27
Road Use	\$977.34
Other Allowances	\$23,310.00
Total:	\$246,305.27
Total Logging Cost per MBF:	\$350.86

Utilization Centers

Location	Distance	% of Net Volume
Riddle	15.5 miles	17 %
Riddle	15.5 miles	83 %

Profit & Risk

Basic Profit & Risk	10 %
Additional Risk	3 %
Total Profit & Risk	13 %

Tract Features

Quadratic Mean DBH	19.0 in
Average GM Log	60 bf
Average Volume per Acre	17.6 mbf
Recovery	88 %
<u>Net MBF volume:</u>	
Green	0.0 mbf
Salvage	702 mbf
Export	0 mbf
<u>Ground Base Logging:</u>	
Percent of Sale Volume	100 %
Average Yarding Slope	10 %
Average Yarding Distance	40 ft
<u>Cable Logging:</u>	
Percent of Sale Volume	0 %
Average Yarding Slope	0 %
Average Yarding Distance	0 ft
<u>Aerial Logging:</u>	
Percent of Sale Volume	0 %
Average Yarding Slope	0 %
Average Yarding Distance	0 ft

Cruise

Cruise Completed	December 2017
Cruised By	MK, DS, SR, JC, KT
Cruise Method	
Estimated Loads: Ocular Estimation of logs and decks assuming a load was 8'x8'x36'. Comparable Sales from the area were used for grade breakdowns.	

Stumpage Computation

Species	# of Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Costs	(+) Marginal Log Value	Appraised Price/MBF	Appraised Value
Douglas Fir	0	568.0	\$547.36	\$71.16	\$350.86	\$0.00	\$125.30	\$71,170.40
Ponderosa Pine	0	36.0	\$303.11	\$39.40	\$350.86	\$0.00	\$30.40 *	\$1,094.40
Incense-cedar	0	35.0	\$480.00	\$62.40	\$350.86	\$0.00	\$66.70	\$2,334.50
Grandfir	0	35.0	\$375.20	\$48.78	\$350.86	\$0.00	\$37.60 *	\$1,316.00
Sugar Pine	0	14.0	\$295.62	\$38.43	\$350.86	\$0.00	\$29.60 *	\$414.40
Western Hemlock	0	7.0	\$400.69	\$52.09	\$350.86	\$0.00	\$40.10 *	\$280.70
Western Redcedar	0	7.0	\$942.81	\$122.57	\$350.86	\$0.00	\$469.40	\$3,285.80
Totals	0	702.0						\$79,896.20

* Minimum Stumpage values were used to compute the Appraised Price/MBF (10% of Pond Value)

Percent of Volume By Log Grade

Species	No. 1 & 2 Peeler	No. 3 Peeler	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Douglas Fir		1.0 %	1.0 %	25.0 %	55.0 %	18.0 %	

Comments: Grade Breakdowns were from averages of previous sales in the area.

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Ponderosa Pine				20.0 %	75.0 %	5.0 %	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Incense-cedar							100.0 %

Species	Peeler	No. 1 Sawmill	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Grandfir				35.0 %	55.0 %	10.0 %	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Sugar Pine				20.0 %	75.0 %	5.0 %	

Species	Peeler	No. 1 Sawmill	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Western Hemlock				20.0 %	70.0 %	10.0 %	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill			Camp Run
Western Redcedar							100.0 %

Unit: Cattle 17

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	99.0	118.0	118.0	0
Ponderosa Pine	20.0	24.0	24.0	0
Incense-cedar	2.0	3.0	3.0	0
Sugar Pine	1.0	2.0	2.0	0
Totals:	122.0	147.0	147.0	0

Net Volume/Acre: 20.3 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	6.0
Total Acres:	6.0

Unit: Council 7

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	70.0	81.0	81.0	0
Incense-cedar	6.0	6.0	6.0	0
Sugar Pine	3.0	3.0	3.0	0
Ponderosa Pine	1.0	1.0	1.0	0
Totals:	80.0	91.0	91.0	0

Net Volume/Acre: 16.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	5.0
Total Acres:	5.0

Unit: Council 13

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	126.0	144.0	144.0	0
Incense-cedar	15.0	17.0	17.0	0
Sugar Pine	8.0	9.0	9.0	0
Ponderosa Pine	6.0	7.0	7.0	0
Totals:	155.0	177.0	177.0	0

Net Volume/Acre: 31.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	5.0
Total Acres:	5.0

Unit: Doe 21

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	21.0	23.0	23.0	0
Incense-cedar	2.0	3.0	3.0	0
Ponderosa Pine	1.0	1.0	1.0	0
Totals:	24.0	27.0	27.0	0

Net Volume/Acre: 24.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	1.0

Unit: Doe 27

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	3.0	4.0	4.0	0
Incense-cedar	1.0	1.0	1.0	0
Totals:	4.0	5.0	5.0	0

Net Volume/Acre: 4.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	1.0

Unit: Doe 29

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	59.0	66.0	66.0	0
Western Hemlock	5.0	6.0	6.0	0
Incense-cedar	3.0	3.0	3.0	0
Ponderosa Pine	2.0	2.0	2.0	0
Totals:	69.0	77.0	77.0	0

Net Volume/Acre: 23.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	3.0
Total Acres:	3.0

Unit: Doe 30

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	16.0	18.0	18.0	0
Western Hemlock	2.0	2.0	2.0	0
Ponderosa Pine	1.0	1.0	1.0	0
Incense-cedar	1.0	1.0	1.0	0
Totals:	20.0	22.0	22.0	0

Net Volume/Acre: 20.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	1.0

Unit: Union 11

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	47.0	50.0	50.0	0
Grandfir	14.0	16.0	16.0	0
Western Redcedar	2.0	3.0	3.0	0
Ponderosa Pine	1.0	1.0	1.0	0
Incense-cedar	1.0	2.0	2.0	0
Totals:	65.0	72.0	72.0	0

Net Volume/Acre: 13.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	5.0
Total Acres:	5.0

Unit: Union 13

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	76.0	85.0	85.0	0
Grandfir	20.0	23.0	23.0	0
Western Redcedar	5.0	5.0	5.0	0
Ponderosa Pine	2.0	2.0	2.0	0
Incense-cedar	1.0	1.0	1.0	0
Totals:	104.0	116.0	116.0	0

Net Volume/Acre: 13.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	8.0
Total Acres:	8.0

Unit: Union 15

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	28.0	34.0	34.0	0
Ponderosa Pine	1.0	1.0	1.0	0
Incense-cedar	1.0	1.0	1.0	0
Totals:	30.0	36.0	36.0	0

Net Volume/Acre: 15.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	2.0
Total Acres:	2.0

Unit: Union 35

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	23.0	25.0	25.0	0
Incense-cedar	2.0	2.0	2.0	0
Sugar Pine	2.0	2.0	2.0	0
Ponderosa Pine	1.0	1.0	1.0	0
Grandfir	1.0	1.0	1.0	0
Totals:	29.0	31.0	31.0	0

Net Volume/Acre: 9.7 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	3.0
Total Acres:	3.0

Total Stump To Truck	Net Volume	\$/MBF
\$93,649.67	702.0	\$133.40

Stump to Truck: Falling, Bucking, Yarding, & Loading

Yarding System	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Shovel	GM MBF	151.0	\$91.54	\$13,822.54	@ 4.5 MBF/load
Shovel	GM MBF	137.0	\$74.90	\$10,261.30	@ 5.5 MBF/load
Harvester/Forwarder	GM MBF	513.0	\$65.72	\$33,714.36	
Shovel	GM MBF	513.0	\$58.19	\$29,851.47	For work w/ Processor
Subtotal				\$87,649.67	

Additional Costs

Item	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Subtotal				\$0.00	

Additional Moves

Equipment	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Shovel	Hour	3.0	\$150.00	\$450.00	For additional seasonal move
Harvester/Forwarder	Hour	12.0	\$150.00	\$1,800.00	For inter unit moves
Shovel	Hour	12.0	\$150.00	\$1,800.00	Inter unit moves for work w/ processor
Harvester/Forwarder	Hour	3.0	\$150.00	\$450.00	For additional seasonal move
Shovel	Hour	3.0	\$150.00	\$450.00	Additional seasonal move for work w/ processor
Shovel	Hour	7.0	\$150.00	\$1,050.00	For inter unit moves
Subtotal				\$6,000.00	

Comments:

Ground Based Cost Summary:

Processor: @ \$2.25/Gallon, No forwarder, 5 loads/day @ 4.5 mbf/load

\$65.72 x 513 MBF(16'GM) = \$33,714.36

Shovel (for work w/ processor): @ \$2.25/Gallon, No Saws, no chaser, 5 loads/day @ 4.5 MBF/load

\$58.19 x 513 (16'GM) = \$29,851.47

Shovel @ 4.5MBF/load: @ \$2.25/Gallon, 2 saws, 5 loads/day

\$91.54 x 151 MBF(16'GM) = \$13,822.54

Shovel @ 5.5 MBF/load: @ \$2.25/Gallon, 2 Saws, 5 loads/day

\$74.90 x 137 MBF (16'GM) = \$10,261.30

Inter-unit Moves: \$4,650.00

Processor: 12 hrs x \$150.00/hr = \$1,800.00

Shovel (for processor work): 12 hrs x \$150.00/hr = \$1,800.00

Shovel: 7 hrs x \$150.00/hr = \$1,050.00

Additional seasonal Move-ins: \$1,350.00

Processor: 3 hrs x \$150.00/hr = \$450.00

Shovel (for processor work): 3 hrs x \$150.00/hr = \$450.00

Shovel: 3 hrs x \$150.00/hr = \$450.00

Total Ground Based Cost Summary: \$93,649.67

Total	Net Volume	\$/MBF
\$27,680.00	702.0	\$39.43

Utilization Center	One Way Mileage	Description	Unit of Measure	# of Units	\$/Unit of Measure	Total Cost	% of Sale Volume
Riddle	15.5	For volume estimated @ 5.5 MBF/load	Hour	50.0	\$80.00	\$4,000.00	17 %
Riddle	15.5	For volume estimated @ 4.5 MBF/load	Hour	296.0	\$80.00	\$23,680.00	83 %

Comments:

Wtd. Time & Distance to Junction of DC #39 and DC #93-13. Miles 58 Min

Jct. DC 39/93 to Utilization Center-2.5 Miles 5.0 Min

One Hour Delay-60 Min

123 Return Min / 60 min/hr = 2 hrs./load

136 MBF (16'GM)/5.5 MBF/load = 25 loads

25 loads x 2 hrs/load = 50 Total hours

50 Total hrs. x \$80.00/hr. = \$4,000.00

665 MBF (16'GM) / 4.5 MBF/load = 148 loads

148 loads x 2 hrs./load = 296 Total hrs.

296 Total hrs. x \$80.00/hr = \$23,680.00

\$4,000.00 + \$23,680.00 = \$27,680.00

Engineering Allowances

Total	Net Volume	\$/MBF
\$101,665.60	702.0	\$144.82

Cost Item	Total Cost
Road Construction:	\$90,837.99
Road Maintenance/Rockwear:	\$9,850.27
Road Use Fees:	\$977.34

Total	Net Volume	\$/MBF
\$23,310.00	702.0	\$33.21

Environmental Protection

Cost item	Total Cost
Equipment cleaning	\$1,110.00
Subtotal	\$1,110.00

Slash Disposal & Site Prep

Cost item	Total Cost
Burning Machine Piles	\$2,200.00
Machine Pile and Cover	\$20,000.00
Subtotal	\$22,200.00

Comments:

Slash Disposal:

Pile & Cover: \$20,000.00

Machine Pile & Cover 40 Ground Base acres @ \$500.00/acre = \$20,000.00

Burning: \$2,200.00

Burning Machine Piles: 40 Ground Base acres @ \$55.00/acre = \$2,200.00

Equipment Cleaning:

Processor Side: \$740.00

1 Processor & 1 Shovel @ \$370.00/piece x 1 seasons = \$740.00

Shovel Side: \$370.00

1 Shovel @ \$370.00/piece x 1 seasons = \$370.00

Total Other Allowances: \$23,310.00

Buy-out: \$2,679.60

Burning Machine Piles: 40 Ground Base Acres @ \$25.00/Pile = \$2,200.00

\$2,200.00 x 21.8%(Administration Fee) = \$2,679.60

Grade Breakdowns were from averages of previous sales in the area.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Version: 5.2.0.110
Updated: 6/14/2017

Summary of All Roads and Projects

T.S. Contract Name: Mister Ed Tract No: 2018.0008 Sale Date:

Prepared by: Adam Murphy Ph: (816)520-0252 Print Date: 12/15/2017 9:31:34 AM

200 Clearing and Grubbing: 0.0 acres	\$0.00
300 Excavation:	\$0.00
Haul < 500 ft: 0 sta-yds	
Haul > 500 ft: 0 yd-mi	
400 Drainage:	\$0.00
Culvert: 0 lf	DownSpout: 0 lf
PolyPipe: 0 lf	
500 Renovation:	\$0.00
700-1200 Surfacing:	\$82,644.44
Commercial Quarry Name: 1.5 Open 2,340 LCY	
Commercial Quarry Name: 6" Pit Run 100 LCY	
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing:	\$5,476.55
Mechanical Brushing: 8.5 acres	
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$734.00 Surf. \$1,983.00.....	\$2,717.00
Quarry Development:	\$0.00
Total: 702 mbf @ \$129.399/mbf = \$90,837.99	

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are loose cubic yards.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Contract Name: Mister Ed

Tract No: 2018.0008

ROAD CONSTRUCTION SUMMARY

1/ Const/Impr/Renov/Decom/Temp						2/ yd-miles haul		3/ Lin ft CMP		4/ Lin ft Polypipe			5/ Lin ft Downspout			6/ slide removal cy			
Road Number	Type 1/	Miles	Clear Grubb	Excav -ation	Drain -age	Reno- vation	Surf- acing	Geo- textile	Slope Protect	Soil Stabil	Cattle Guard	Rdside Brush	Engin- eering	Minor Concrete	Gab- ions	Miscel- laneous	Mobil- ization	Quarry Develop	Sub- Total
31-6-5.0	R	8.20					\$2,533					\$5,477					\$148		\$8,157
31-6-7.2	R	1.11					\$4,305										\$174		\$4,479
31-7-17.0	R	2.76					\$73,135										\$2,316		\$75,450
31-8-11.0	R	2.39					\$747										\$22		\$769
31-8-11.1	R	1.87					\$1,525										\$45		\$1,570
31-8-13.0	R	0.51					\$400										\$11		\$412

TIMBER SALE ROAD SPECIFICATIONS

TABLE OF CONTENTS

SECTION	DESCRIPTION
100	General
500	Renovation and Improvement of Existing Roads
600	Watering
1000	Aggregate Base Course - Crushed Rock
1200	Aggregate Surface Course - Crushed Rock
1700	Erosion Control
2100	Roadside Brushing

TIMBER SALE ROAD SPECIFICATIONS

GENERAL – 100

101 - Prework Conference(s):

A prework conference will be held prior to the start of new construction, improvement, renovation, quarry development, surfacing, 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 representatives, subcontractors and/or his or their representatives and the Authorized Officer and/or his representatives.

The purpose of the prework conference will be to review the required work, exhibits and specifications, and to establish a work schedule and a list of the Purchaser's representatives, and subcontractors.

102 - Definitions:

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

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

ACI - American Concrete Institute

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

ASTM - American Society for Testing and Materials.

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

TIMBER SALE ROAD SPECIFICATIONS

Burst Strength - The resistance of a geotextile material to rupture from pressure applied at right angles to the plane of the geotextile material under specified conditions, usually expressed as the amount of pressure causing failure. Rupture or burst results from tensile failure of the geotextile material.

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

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

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

End Haul - Excavated material moved, other than by dozer, to an embankment or waste area to prevent 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).

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

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

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

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

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

TIMBER SALE ROAD SPECIFICATIONS

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

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

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

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

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

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

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

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

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

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

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

Road Centerline - The longitudinal center of a roadbed.

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

TIMBER SALE ROAD SPECIFICATIONS

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

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

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

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

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

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

Slash – All material (brush, limbs, tops, unmerchantable stems, and chunks) severed or knocked over as a result of clearing or brushing operations.

Slash Mulch – A mulch consisting of clearing, grubbing, or logging debris, commonly used for road decommissioning. If slash mulch is not available, other mulches may be substituted as described in sections 1800 and 3500 of this contract.

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 rock or crushed stone. Usually confined to roads having wet subgrades or subgrades with weak support characteristics.

TIMBER SALE ROAD SPECIFICATIONS

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.

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

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

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

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

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

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

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

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

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

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

102a - Tests Used in These Specifications:

AASHTO T 11

Quantity of rock finer than No. 200 sieve.

TIMBER SALE ROAD SPECIFICATIONS

AASHTO T 27

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

AASHTO T 89

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

AASHTO T 90

Plastic limits and plasticity index of soil.

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

AASHTO T 96

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

AASHTO T 99

Relationship between soil moisture and density of soil.

Method A - 4" mold, soil passing a No. 4 sieve

25 blows/layer & 3 layers.

Method C - 4" mold, soil passing a 3/4 inch sieve

25 blows/layer & 3 layers.

Method D - 6" mold, soil passing a 3/4 inch sieve. 56 blows/layer & 3 layers.

AASHTO T 119

Slump of hydraulic cement concrete.

AASHTO T 152

Air content of freshly mixed concrete.

AASHTO T 166

Specific Gravity of compacted Bituminous Mixtures.

AASHTO T 176

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

AASHTO T 180

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

TIMBER SALE ROAD SPECIFICATIONS

AASHTO T 191

Sand Cone. Density of soil in place: For subgrade use 6-inch or 12-inch cone. For rock surfacing for 1-1/2-inch minus to 3-inch minus use 12-inch cone.

AASHTO T 205

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

AASHTO T 209

Maximum Specific Gravity of Bituminous Paving Mixtures.

AASHTO T 210

Durability of aggregates based on resistance to produce fines.

AASHTO T 224

Correction for coarse particles in the soil.

AASHTO T 238

Density of Soil and Soil-Aggregate in place by nuclear methods.

AASHTO T 248

Reducing field samples of aggregate to testing size by mechanical splitter, quartering, or miniature stockpile sampling.

ASTM D 4564

Determination of relative density of cohesionless soils.

DMSO (dimethyl sulfide)

Determines volume of expanding clays in aggregates. Usually associated with marine basalts.

- 103 - Compaction equipment shall meet the following requirements:
- 103a - Padded Drum (Tamping) Rollers. The unit shall consist of a drum with pads, be either self propelled or towed by a tractor, and capable of operating at a speed of 6 mph. The drum shall be no less than 48 inches in diameter over the pads and not less than 60 inches in width. The pads shall have a minimum height of 3 inches, and a face area of not less than 14 square inches. The weight at drum shall be no less than 8000 lb.

TIMBER SALE ROAD SPECIFICATIONS

- 103b - Sheepfoot (Tamping) rollers. A tamping roller unit shall consist of two watertight metal drums mounted in frames in such manner as to be fully oscillating, together with a tractor having sufficient weight and power under actual working conditions to pull the roller drums at a minimum speed of 2.5 miles per hour. The drums shall be no less than 60 inches in diameter and no less than 54 inches in length, measured at the drum's surface, and shall be studded with tamping feet projecting not less than 7 inches from the face of the drums.

The distance between circumferential rows of tamper feet shall be such that the diagonal distance from any foot to the nearest foot in each adjacent row shall be not more than 12 inches. The cross-sectional area of the face of each tamper foot, measured perpendicular to the axis of the stud, shall be not less than 5-1/2 square inches nor more than 8 square inches.

The weight of the tamping-roller unit shall be such as to exert a minimum pressure of 250 pounds per square inch on the ground area in contact with the tamping feet, and the roller shall be so designed that the weight may be increased to exert a pressure up to 500 pounds per square inch on the ground area in contact with the tamping feet. The ground pressure shall be determined by dividing the total weight of the roller unit, not including the weight of the tractor, by the total cross-sectional area of the tamping feet in one row of tamping feet parallel to the axis of the roller.

- 103c - Smooth-wheel power rollers. Smooth-wheel power rollers shall either be of the 3-wheel type, weighing not less than 10 tons, or of the tandem type, 2-wheel or 3-wheel, weighing not less than 8 tons. Smooth-wheel roller shall provide compression of 325 pounds per linear inch of width of rear wheels or drum.

- 103d - Pneumatic-tired rollers. Pneumatic-tired rollers shall be of the double-axle type equipped with pneumatic tires each of equal size and type. The spacing between the sidewalls of adjacent tires shall not exceed 5 inches and the rear tires shall be staggered in relation to the front tires. The rolling width of the unit shall be not less than 60 inches, exclusive of the power unit. The roller shall be so constructed that the contact pressure is uniformly distributed on all of the tires, and the tires shall be inflated to maintain the air pressure in the several tires within a total tolerance of 5 pounds per square inch. The roller shall be so constructed that the total weight shall be between 1,000 and 2,000 pounds per tire. The actual operating weight of the rollers shall be as ordered by the Authorized Officer.

TIMBER SALE ROAD SPECIFICATIONS

Each pneumatic-tired roller shall be drawn by equipment having sufficient power and weight under normal working condition to pull the roller at a minimum speed of 5 miles per hour, or it may be self-propelled to obtain a minimum speed of 5 miles per hour.

- 103e - Grid roller. A grid roller shall consist of two or more cylindrical drums independently mounted on a common shaft in a rigid frame. Each drum shall have a minimum outside diameter of 5 feet and a minimum width of 2 feet 6 inches. The overall width of the roller exclusive of frame shall be not less than 5 feet 6 inches of which not more than 6 inches shall be used for center spacing between two roller drums. The face of the drums shall have the appearance of woven open-mesh made by interlacing bars of not less than 1-1/4 inches nor more than 1-3/4 inches diameter space spaced on 4-1/2 inches to 5-1/2 inches center. Net opening between the bars shall be not less than 3 inches nor more than 4 inches. The roller shall be so constructed that counterweights can be used to adjust the gross weight of the roller to not less than 27,000 pounds. The grid roller shall be drawn by a power unit capable of propelling the fully loaded roller through 6 inches of loose embankment material at a speed of at least 4 miles per hour.
- 103f - Vibratory roller. The drum diameter shall be not less than 48 inches, the drum width not less than 58 inches, and have a turning radius of 15 feet or less. Vibration frequency shall be regulated in steps to 1400, 1500, and 1600 vibrations per minute (VPM), corresponding to engine speeds of 1575, 1690, and 1800 RPM. The centrifugal force developed shall be 7 tons at 1600 RPM. It shall be activated by a power unit of not less than 25 horsepower. The vibratory roller shall be self-propelled or drawn by a vehicle of sufficient horsepower to enable the unit to travel through a loose layer of material at a speed ranging from 0.9 mile to 1.8 miles per hour, as directed by the Authorized Officer.
- The towing vehicle and roller or self-propelled unit meeting the above requirements shall be considered a vibratory roller unit.
- 103g - Vibratory compactor. Vibratory compactors shall consist of multiple or gang-type compacting units or pads with a minimum variable width of 2 feet. It shall be self-contained and capable of compacting material as required.
- 103h - Drum drive self-propelled vibratory grid roller. The unit shall consist of one cylindrical drum with a drum diameter of not less than 56 inches, nor more than 66 inches and the drum width shall be 84 inches. Vibratory frequency shall be regulated in seeps from 1200 to 1800 vibrations per minute (VPM), and the centrifugal force developed shall be at least 40,000 pounds at 1800 RPM. The vibratory grid roller shall be self-propelled and have a power unit of not less than

TIMBER SALE ROAD SPECIFICATIONS

112 horsepower. The "grid" design shall be a herringbone or z-bar pattern around the circumference of the drum. The grid bars shall be 1 inch in height and spaced not more than 8-1/2 inches apart.

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

RENOVATION AND IMPROVEMENT OF EXISTING ROADS - 500

- 501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, installing culverts and splash pads, minor excavation and/or embankment, cleaning and shaping drainage ditches, brushing vegetation from cut and embankment slopes, daylighting, cleaning and repairing drainage structures of existing roads in accordance with these specifications, as shown on the plans, and as marked on the ground with stakes or metal tags.
- 501a - This work shall include the removal and disposal of slides in accordance with these specifications.
- 502 - The existing road surface shall be bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans and as marked on the ground with stakes or metal tags.
- 502a - Rocks larger than 4 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 surface shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width with equipment conforming to requirements of Subsection 103f and 103i.
- 504a - Minimum compaction required shall be a minimum of 8 passes over each full-width layer, or until visual displacement ceases.

TIMBER SALE ROAD SPECIFICATIONS

- 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.
- 509 - The finished grading shall be approved by the Authorized Officer 1 day prior to surfacing operations. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

WATERING - 600

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

TIMBER SALE ROAD SPECIFICATIONS

AGGREGATE BASE COURSE - 1000 CRUSHED ROCK MATERIAL

- 1001 - This work shall consist of furnishing, hauling, and placing one or more lifts of crushed rock material on roadbeds and landings approved for placing crushed rock material, in accordance with these specifications and conforming to the dimensions and typical cross sections shown on the plans. Material not conforming to these specifications will be rejected and shall be removed from the road at the purchaser's expense.

- 1002a - Crushed rock materials may be obtained from commercial sources selected by the Purchaser at his option and expense providing that the rock materials selected comply with the specifications in this section.

- 1002b - In accordance with Subsections 1005, 1006, and 1006a, the following test reports for crushed rock material shall be submitted to, and approved by, the Authorized Officer, prior to delivery and placement of aggregate: AASHTO T96, AASHTO T210, and DMSO. Tests must have been conducted within the last 365 days and be for the same quarry shot that the crushed rock is coming from. New tests must be performed if there is a new shot, or other change in the material being supplied to the crusher.

- 1002c - In accordance with Subsection 1004, the following test reports for crushed rock material shall be submitted to and approved by the Authorized Officer, prior to delivery and placement of aggregate: AASHTO T11 and AASHTO T27.

- 1003 - Crushed rock material produced from gravel shall have 2 manufactured fractured faces on 65 percent, by weight, of the material retained on the No. 4 sieve.

- 1004 - Crushed rock materials shall consist of hard durable rock fragments conforming to the following gradation requirements (as determined by AASHTO T11 & T27):

TIMBER SALE ROAD SPECIFICATIONS

TABLE 1004

AGGREGATE BASE COURSE

CRUSHED ROCK MATERIAL

Percentage by Weight Passing Square Mesh Sieves
 (AASHTO T 11 & T 27)

GRADATION

Sieve Designation	A	B	C	D	F	G	H	I
6 -inch	-	-	-	-	-	-	-	100
3-inch	100	-	100	-	100	-	-	45-65
2-inch	90-95	100	-	-	65-95	100	100	-
1 1/2-inch	-	90-95	-	-	-	-	-	-
1-inch	45-75	50-90	-	100	-	50-85	60-90	-
3/4-inch	-	-	-	-	28-70	-	-	-
1/2-inch	-	-	-	0-20	-	27-60	44-70	-
3/8-inch	-	-	-	-	-	-	-	-
No. 4	15-45	15-50	-	0-5	10-35	15-40	28-50	0-10
No. 8	-	-	-	-	-	-	20-41	-
No. 10	-	-	-	-	-	-	-	-
No. 30	-	-	-	-	5-22	8-26	9-26	-
No. 40	5-25	5-25	-	-	-	-	-	-
No. 200	2-15	2-15	-	-	3-10	3-12	3-12	-

- 1004j - Gabion rock shall be sound, durable and from a source approved by the Authorized Officer. Rock shall not be less than 4 inches minimum dimension, nor greater than 8 inches maximum dimension. The rock shall be reasonably well graded between the limiting sizes.
- 1005 - Crushed rock material retained on the No. 4 sieve shall have a percentage of loss of not more than 35 at 500 revolutions, as determined by AASHTO T 96.

TIMBER SALE ROAD SPECIFICATIONS

- 1006 - Crushed rock material shall show durability value of not less than 35, as determined by AASHTO T 210.

- 1006a - The crushed rock material shall show a loss of not more than 20 percent by weight, when submerged in DMSO, dimethyl sulfoxide, for five days, according to Federal Highway Administration Region 10 Accelerated Weathering Test Procedure.

- 1008a - Each layer of crushed rock material shall be thoroughly mixed on the roadbed by alternately blading, to full depth, until a uniform mixture has been obtained. The mixture shall then be spread to full width. When completed, the spreading shall produce a surface which is smooth, presents uniform shoulder lines, and conforms to the specified cross section.

- 1009 - The roadbed, as shaped and compacted under Sections 300 and 500 of these specifications, shall be approved by the Authorized Officer prior to placement of crushed rock materials. Notification for final inspection prior to rocking shall be 72 hours prior to that inspection.

- 1010 - Crushed rock materials shall be placed and processed on the approved roadbed in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans and compacted in layers not to exceed 3 inches in depth. When more than one layer is required, each shall be shaped, processed, compacted, and approved in writing by the Authorized officer before the succeeding layer is placed. Irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and adding or removing crushed rock material until the surface is smooth and uniform.

- 1010a - Crushed rock material used to repair or reinforce a soft, muddy, frozen, yielding, or rutted roadbed shall not be construed as surfacing under this specification unless approved as such by the Authorized Officer prior to placement.

- 1012 - Each layer of crushed rock material shall be placed, processed, shaped, moistened or dried to a uniform moisture content suitable for maximum compaction, and

TIMBER SALE ROAD SPECIFICATIONS

compacted to full width by compaction equipment conforming to the requirements of Subsection 103f and 103i. Minimum compaction shall be a minimum of 8 passes over each full-width layer, or until visual displacement ceases.

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

- 1201 - This work shall consist of furnishing, hauling, and placing one or more layers of crushed rock material on roadbeds and base courses approved for placing crushed rock material in accordance with these specifications and conforming to the dimensions and typical cross sections shown on the plans. Material not conforming to these specifications will be rejected, and shall be removed from the road at the purchaser's expense.

- 1202a - Crushed rock materials used in this work may be obtained from commercial sources selected by the Purchaser at his option and expense, providing the rock materials furnished comply with these specifications.

- 1202b - In accordance with Subsections 1205, 1206, and 1206a, the following test reports for crushed rock material shall be submitted to and approved by the Authorized Officer, prior to delivery and placement of aggregate: AASHTO T96, AASHTO T210, and DMSO. Tests must have been conducted within the last 365 days and be for the same quarry shot that the crushed rock is coming from. New tests must be performed if there is a new shot, or other change in the material being supplied to the crusher.

- 1202c - In accordance with Subsection 1204, the following test reports for crushed rock material shall be submitted to and approved by the Authorized Officer, prior to delivery and placement of aggregate: AASHTO T11 and AASHTO T27.

- 1203 - When crushed rock material is produced from gravel, not less than 65 percent by weight of the particles retained on the No. 4 sieve will have 2 manufactured fractured faces.

TIMBER SALE ROAD SPECIFICATIONS

- 1204 - Crushed rock material shall consist of hard durable rock fragments conforming to the following gradation requirements (as determined by AASHTO T11 & T27):

TABLE 1204

AGGREGATE SURFACE COURSE

CRUSHED ROCK MATERIAL

Percentage by weight passing square mesh sieves
AASHTO T 11 & T 27

GRADATION

Sieve Designation	C	C-1	D	D-1	E	E-1
1-1/2-inch	100	100	100	-	-	-
1-inch	-	-	60-85	100	-	-
3/4-inch	50-90	60-90	14-34	70-98	100	100
1/2-inch	-	-	-	-	-	70-98
No. 4	25-50	30-55	0-4	36-60	40-75	44-70
No. 8	-	22-43	-	25-47	-	30-54
No. 30	-	11-27	-	12-31	-	15-34
No. 40	5-25	-	0-3	-	5-35	-
No. 200	2-15	3-15	0-2.5	3-15	2-15	3-15

- 1205 - Crushed rock material retained on the No. 4 sieve shall have a percentage of loss of not more than 35 at 500 revolutions, as determined by AASHTO T 96.
- 1206 - Crushed rock material shall show a durability value of not less than 35 as determined by AASHTO T210.
- 1206a - The crushed rock material shall show a loss of not more than 20 percent by weight, when submerged in DMSO, dimethyl sulfoxide, for five days, according to Federal Highway Administration Region 10 Accelerated Weathering Test Procedure.

TIMBER SALE ROAD SPECIFICATIONS

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

- 1209 - Shaping and compacting of roadbed base course shall be completed and approved by the Authorized Officer, prior to placing crushed rock material, in accordance to the requirements of Subsections 300 and 500. Notification for final inspection prior to rocking shall be 72 hours prior to the inspection.

- 1210 - Crushed rock material conforming to the requirements of these specifications shall be placed on the approved roadbed and base course in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Compacted layers shall not exceed 3 inches in depth. When more than one layer is required, each shall be shaped, processed, compacted, and approved by the Authorized Officer before the succeeding layer is placed. Irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and then adding or removing crushed rock material until the surface is smooth and uniform.

- 1210a - Crushed rock material used to repair or reinforce soft, muddy, frozen, yielding, or rutted roadbed shall not be construed as surfacing required by this specification unless approved by the Authorized Officer.

- 1212 - Each layer of crushed rock material placed, processed, and shaped as specified shall be moistened or dried to a uniform moisture content suitable for maximum compaction and compacted to full width by compacting equipment conforming to the requirements of Subsections 103f and 103i. Minimum compaction shall be 8 passes over each full-width layer, or until visual displacement ceases.

TIMBER SALE ROAD SPECIFICATIONS

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, geofabric rolls, 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.
- 1703 - This work shall consist of furnishing and installing silt fences, straw bales, geofabric rolls, or similar erosion control devices in accordance with these specifications and in reasonably close conformity with the lines and grades as directed by the Authorized Officer.
- 1703a - Additional erosion control work consisting of furnishing and installing silt fences, straw bales, geofabric rolls, or similar erosion control devices, may be required at the option of the Authorized Officer. Providing that the additional erosion control 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 installing such additional erosion control devices. Costs shall be based upon the unit price set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 1708a - Road segments not completed during dry weather periods shall be winterized, by providing a well-drained roadway using water bars, maintaining drainage, and performing additional measures necessary to minimize erosion and other damage to the roadway, as directed by the Authorized Officer. Portions of roads not having surface rock in place will be blocked or barricaded to prevent vehicular traffic.

TIMBER SALE ROAD SPECIFICATIONS

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 maybe performed mechanically with self powered, self-propelled equipment and/or manually with hand tools, including chain saws.

- 2103 - Vegetation cut manually and/or mechanically less than 6 inches in diameter when measured 6 inches above the ground shall be cut to a maximum height of 2 inches above the ground surface or above obstructions such as rocks or stumps on cut and fill slopes and all limbs below the 2 inch area will be severed from the trunk.

- 2103a - Vegetation shall be cut and removed from the road bed between the outside shoulders and the ditch centerline and such vegetation shall be cut to a maximum height of 2 inches above the ground and running surface. Limbs below the 2 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.

- 2104 - Trees in excess of 6 inches in diameter when measured 6 inches above the ground line 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.

TIMBER SALE ROAD SPECIFICATIONS

- 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 distance of 15 feet from edge of subgrade, 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.

- 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.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ROSEBURG DISTRICT
TIMBER SALE EXHIBIT C

CONTRACT NAME: MISTER ED SUPPRESSION DECK REMOVAL
CONTRACT NO: ORR05-TS-2018.0008

ROAD NUMBER	STA / MP	TO	STA / MP	CONST.	RENOV.	DECOM. ¹	EXISTING SURFACE TYPE	PROPOSED BASE COURSE		PROPOSED SURFACE COURSE		ROAD DIMENSIONS			TYP. ROAD SECTION	SHEET NO.
								DEPTH	TYPE	DEPTH	TYPE	A	B	C		
RENOVATION																
30-7-18.0	0.00	-	0.99		X		ROCK			NOTE 2	1204D				4	5
30-7-29.0	0.00	-	0.82		X		ROCK			NOTE 2	1204D				4	5
30-8-26.1	0.00	-	1.25		X		ROCK			NOTE 2	1204D				4	5
30-8-35.1	0.00	-	0.03		X		ROCK			NOTE 2	1204D				4	5
30-8-35.3	0.00	-	0.46		X		ROCK			NOTE 2	1204D				4	5
31-6-5.0	0.00	-	8.20		X		ROCK			NOTE 2	1204D				4	5
31-6-7.2	0.00	-	1.11		X		ROCK			NOTE 2	1204D				4	6
31-6-7.3	0.00	-	0.14		X		ROCK			NOTE 2	1204D				4	6
31-7-17.0	0.00	-	2.76		X		ROCK			NOTE 2	1004I/1204D				4	6
31-7-24.3	0.00	-	0.11		X		ROCK			NOTE 2	1204D				4	6
31-8-3.0	0.00	-	2.90		X		ROCK			NOTE 2	1204D				4	6
31-8-11.0	0.00	-	2.39		X		ROCK			NOTE 2	1204D				4	6
31-8-11.1	0.00	-	1.87		X		ROCK			NOTE 2	1204D				4	7
31-8-11.4	0.00	-	0.56		X		ROCK			NOTE 2	1204D				4	7
31-8-13.0	0.00	-	0.51		X		ROCK			NOTE 2	1204D				4	7
31-8-15.2	0.00	-	0.65		X		ROCK			NOTE 2	1204D				4	7

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	ROAD SUMMARY
2	SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS
4	VICINITY MAP
5	RENOVATION NOTES
6	RENOVATION NOTES
7	RENOVATION NOTES
8	BRUSHING DETAIL

NOTES:

1. SEE EXHIBIT D
2. PLACE ROCK COURSES AND SPOT ROCK ONLY AT LOCATIONS SPECIFIED IN RENOVATION NOTES. SEE RENOVATION NOTES FOR DIMENSIONS OR QUANTITIES.



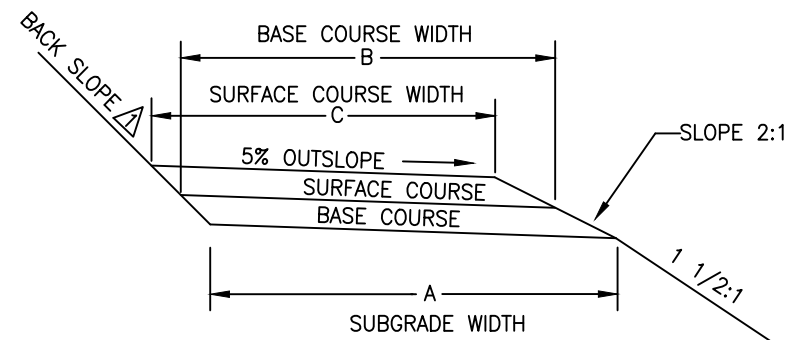
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT OREGON STATE OFFICE ROSEBURG DISTRICT	
MISTER ED ROAD SUMMARY	
DESIGNED: B. ALBIN	DATE: 12/12/2017
CONTRACT NO. ORR05-TS-2018.0008	SHEET 1 OF 8

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ROSEBURG DISTRICT
TIMBER SALE EXHIBIT C

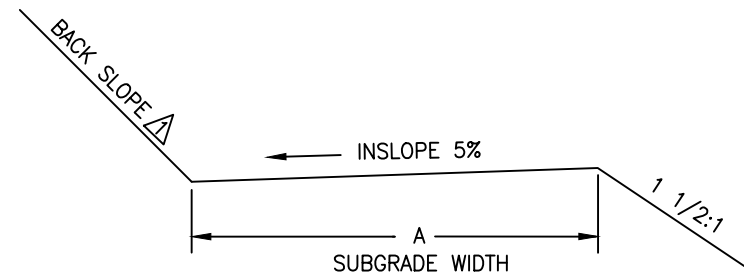
CONTRACT NAME: MISTER ED SUPPRESSION DECK REMOVAL
CONTRACT NO: ORR05-TS-2018.0008

ROAD NUMBER	LENGTH	CLEARING AND GRUBBING	ROADSIDE BRUSHING	CLEANING CULVERTS	SURFACING		BLADING	CLEANING DITCHES	COMPACTION	DITCH CONSTRUCTION	CULVERT INSTALLATION (18") ²	CULVERT INSTALLATION (24") ²	EXCAVATION	EMBANKMENT
					1004I	1204D								
					6" MINUS	1½" OPEN								
	STA/MI	ACRES	ACRES	STA/MI	L.C.Y.	L.C.Y.	STA/MI	STA/MI	STA/MI	STATIONS	LINEAR FEET	LINEAR FEET	C.Y. (IN-PLACE)	C.Y. (IN-PLACE)
RENOVATION														
31-6-5.0	8.20		8.50			100								
31-6-7.2	1.11					170								
31-7-17.0	2.76				100	2000								
31-8-11.0	2.39					20								
31-8-11.1	1.87					40								
31-8-13.0	0.51					10								

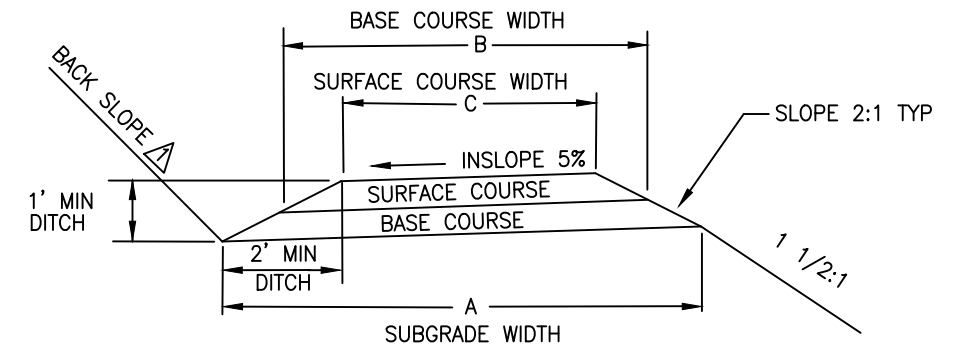




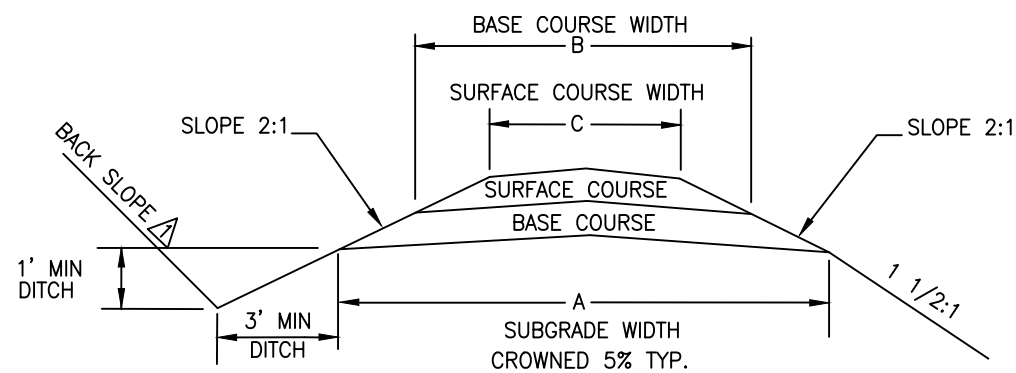
SECTION OUT SLOPE ROAD ①



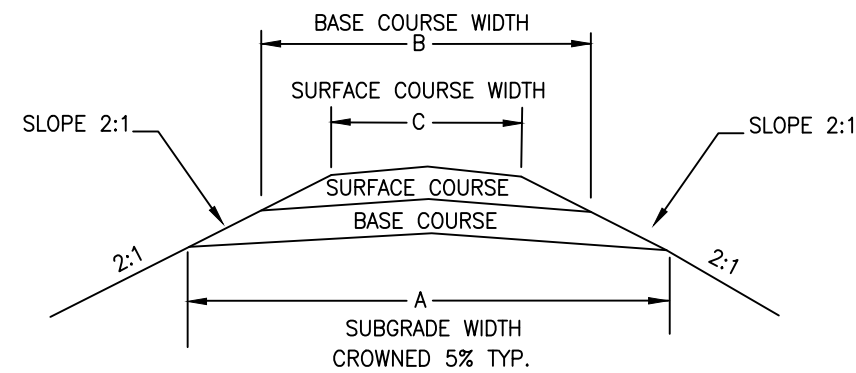
SECTION INSLOPE ROAD ②



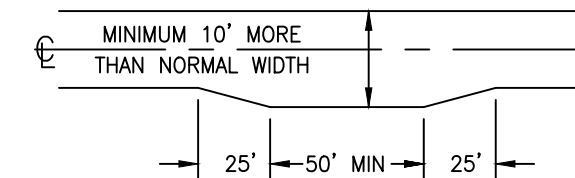
SECTION INSLOPE ROAD ③



SECTION ROAD ④



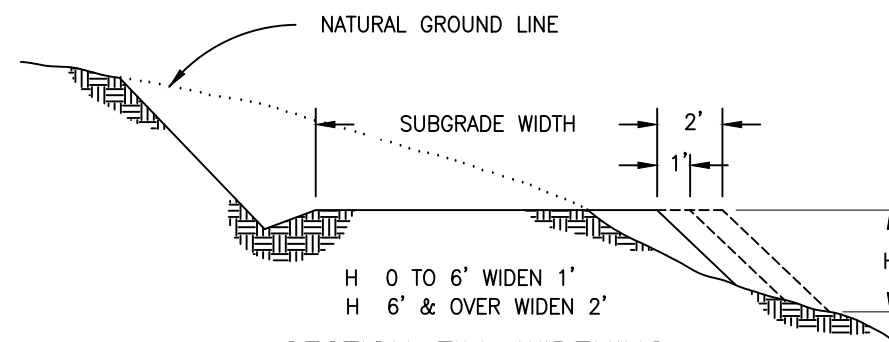
SECTION ROAD ⑤



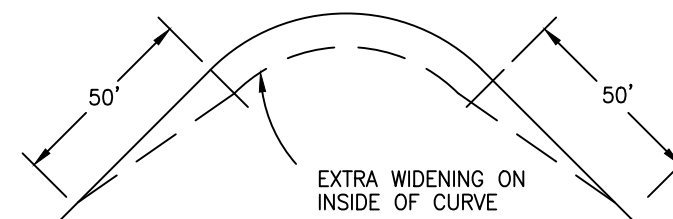
TYPICAL TURNOUT DIMENSIONS

NOTES:

- Backslope to match existing backslope unless otherwise specified.
- Backslope for Non-Design Roads:
Slopes under 50%, $\frac{3}{4}$:1
Slopes over 50%, $\frac{1}{2}$:1
Solid Rock $\frac{1}{4}$:1
- Out slope road segments with grades less than 6%, crown or inslope road segments with grades exceeding 6%.
- Inslope road sections permitted only for temporary roads. Native surface restricted to summer haul.



SECTION FILL WIDENING



DEGREE OF CURVE	8-21	22-35	36-51	52-64	65-79	80-90
EXTRA WIDTH IN FEET	1	2	3	4	5	6

CURVE WIDENING TABLE FOR NON-DESIGN ROADS OR AS SHOWN ON PLANS. MAX 75' CURVE OR AS SHOWN ON PLANS.



T 30 S

T 31 S

R 6 W

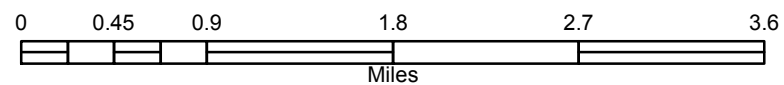
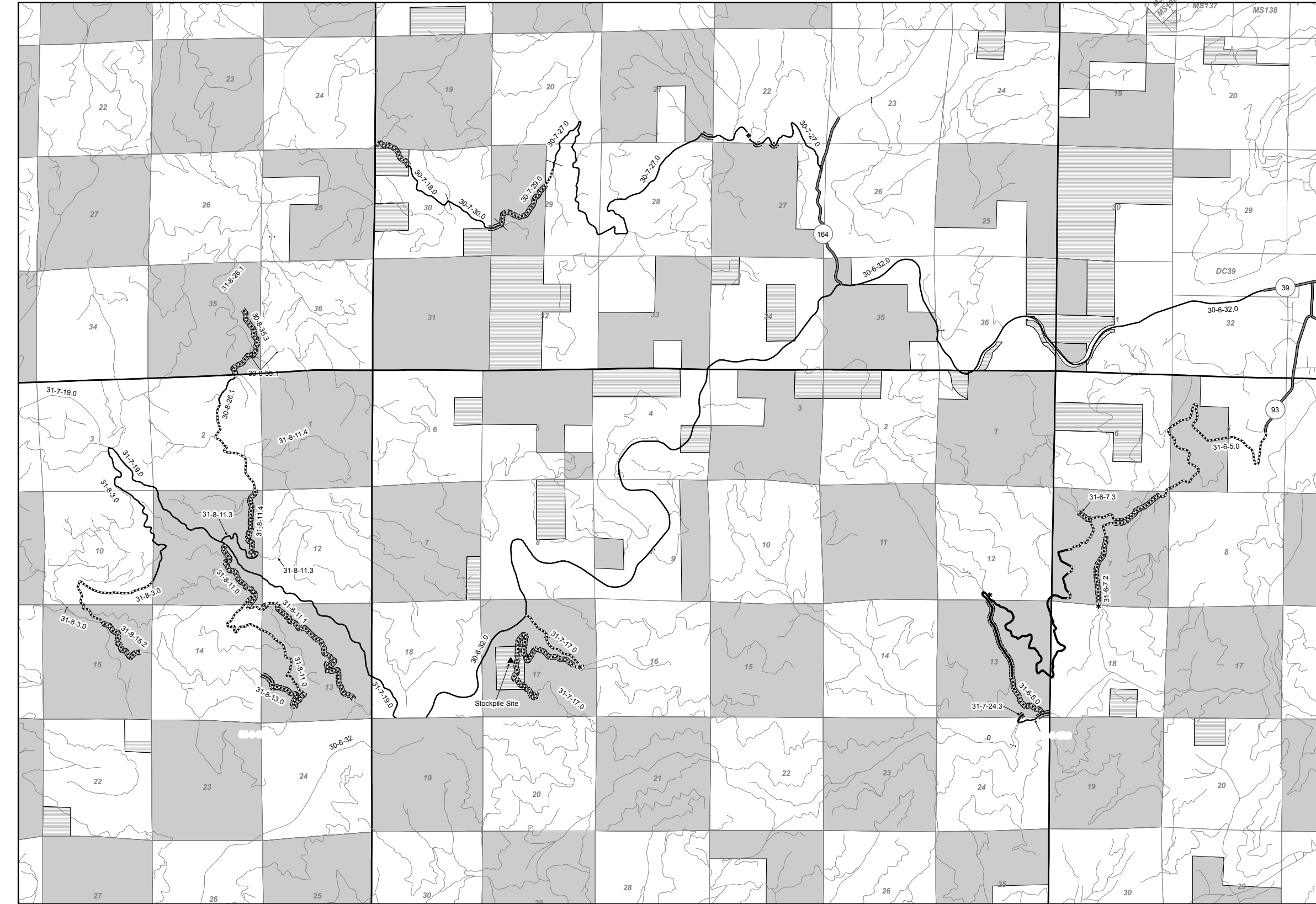
Exhibit C
VICINITY MAP
***MISTER ED
SUPPRESSION
DECK REMOVAL***



T 30 & 31 S, R 6, 7, & 8 W
Willamette Meridian, Douglas Co., OR

Legend

- Gate
- Haul Route
- Road Renovation
- Roadside Harvest Areas
- Blue Painted Logs
- County Road
- Other Roads
- Public Domain Lands
- Revested O&C lands



United States Department of the Interior
Bureau of Land Management
Roseburg District
777 NW Garden Valley Blvd
Roseburg, Oregon 97471

Universal Transverse Mercator Projection
Zone 10 North NAD 1983

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT OREGON STATE OFFICE ROSEBURG DISTRICT	
MISTER ED VICINITY MAP	
DESIGNED: B. ALBIN	DATE: 12/12/2017
CONTRACT NO. ORR05-TS-2018.0008	SHEET 4 OF 8

ROAD RENOVATION

Notes:

- 1. All roads shall be renovated in accordance with attached specifications and the work items listed below. Renovation may include roadside brushing, installing culverts and splash pads, blading, shaping, cleaning ditches, removing slide material, and cleaning existing drainage structures. Features to construct are so noted. Existing features are noted at approximate station in the notes below. The Purchaser shall dispose of all culvert pipe removed as a part of the work described in this contract at a legal site off of BLM land.
- 2. All renovation and construction shall be done and approved prior to any hauling activity.
- 3. Existing turnouts, on roads to be renovated, shall be surfaced to the same standard as the adjacent roadway.
- 4. Back slopes shall be cut to match existing unless otherwise specified.
- 5. All work shall be performed according to OSHA safety requirements.

MILE POST	DESCRIPTION	MILE POST	DESCRIPTION
30-7-18.0		30-8-35.3	
0.00	BEGINNING OF ROAD AT JUNCTION OF BLM ROAD NO. 30-7-30.0 AND BLM ROAD NO. 30-7-18.0	0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 30-8-35.1 AND BLM ROAD NO. 30-8-35.3
0.36	BEGIN RENOVATION BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0		BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0
0.99	END RENOVATION	0.46	END RENOVATION
30-7-29.0		31-6-5.0	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 30-7-27.0 AND BLM ROAD NO. 30-7-29.0 BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0	0.00	BEGIN RENOVATION AT JUNCTION OF COUNTY ROAD 93 (COUNCIL CREEK) AND BLM ROAD NO. 31-6-5.0
0.82	END RENOVATION	2.84	SPOT ROCK WITH 20 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
		2.88	SPOT ROCK WITH 20 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
		3.18	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
		3.37	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D). BEGIN BRUSHING
		4.91	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
		5.48	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
		6.87	SPOT ROCK WITH 20 C.Y. OF 1½" OPEN (SPEC NO. 1204D). END BRUSHING
		8.20	END RENOVATION
30-8-26.1			
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 31-8-11.4 AND BLM ROAD NO. 30-8-26.1 BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0		
0.69	SUSPEND RENOVATION.		
0.99	RESUME RENOVATION AT PROPERTY LINE. RESUME SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0		
1.25	END RENOVATION.		
30-8-35.1			
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 30-8-26.1 AND BLM ROAD NO. 30-8-35.1 BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0		
0.03	END RENOVATION		



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MISTER ED RENOVATION NOTES	
DESIGNED: B. ALBIN	DATE: 12/12/2017
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ROAD RENOVATION

Notes:

- 1. All roads shall be renovated in accordance with attached specifications and the work items listed below. Renovation may include roadside brushing, installing culverts and splash pads, blading, shaping, cleaning ditches, removing slide material, and cleaning existing drainage structures. Features to construct are so noted. Existing features are noted at approximate station in the notes below. The Purchaser shall dispose of all culvert pipe removed as a part of the work described in this contract at a legal site off of BLM land.
- 2. All renovation and construction shall be done and approved prior to any hauling activity.
- 3. Existing turnouts, on roads to be renovated, shall be surfaced to the same standard as the adjacent roadway.
- 4. Back slopes shall be cut to match existing unless otherwise specified.
- 5. All work shall be performed according to OSHA safety requirements.

<u>MILE POST</u>	<u>DESCRIPTION</u>
31-6-7.2	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD 31-6-5.0 AND BLM ROAD NO. 31-6-7.2
0.02	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
0.16	SPOT ROCK WITH 30 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
0.37	SPOT ROCK WITH 30 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
0.62	SPOT ROCK WITH 40 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
0.76	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
1.00	SPOT ROCK WITH 50 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
1.11	END RENOVATION
31-6-7.3	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 31-6-5.0 AND BLM ROAD NO. 31-6-7.3 BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0
0.14	END RENOVATION
31-7-17.0	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD 30-6-32.0 (COW CREEK) AND BLM ROAD NO. 31-7-17.0
1.89	SURFACE ROADSIDE LANDING WITH 100 C.Y. OF 6" MINUS (SPEC NO. 1004I). STOCKPILE 2000 C.Y. 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). STOCKPILED AGGREGATE TO BE USED FOR PRE-HAUL RENOVATION AND POST HAUL MAINTENANCE, IN ACCORDANCE WITH EXHIBITS C AND D OF THE CONTRACT. NOTE: IN LIEU OF STOCKPILING, AGGREGATE MAY BE PLACED DIRECTLY ON ROADS TO BE RENOVATED OR MAINTAINED, AS NEEDED.
2.76	END RENOVATION

<u>MILE POST</u>	<u>DESCRIPTION</u>
31-7-24.3	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 31-6-17.0 AND BLM ROAD NO. 31-7-24.3 BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0
0.11	END RENOVATION
31-8-3.0	
0.00	BEGINNING OF ROAD AT JUNCTION OF BLM ROAD NO. 31-7-19.0 AND BLM ROAD NO. 31-8-3.0
1.64	BEGIN RENOVATION AT PROPERTY LINE. BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0
2.90	END RENOVATION
31-8-11.0	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 31-7-19.0 AND BLM ROAD NO. 31-8-11.0
0.01	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
0.36	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
2.39	END RENOVATION



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ROAD RENOVATION


Notes:

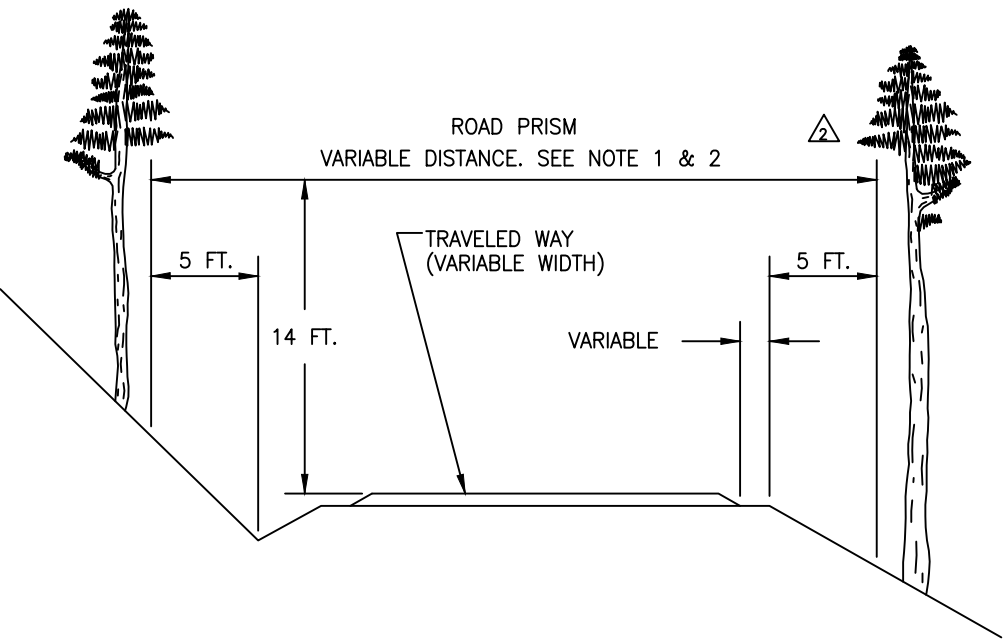
- 1. All roads shall be renovated in accordance with attached specifications and the work items listed below. Renovation may include roadside brushing, installing culverts and splash pads, blading, shaping, cleaning ditches, removing slide material, and cleaning existing drainage structures. Features to construct are so noted. Existing features are noted at approximate station in the notes below. The Purchaser shall dispose of all culvert pipe removed as a part of the work described in this contract at a legal site off of BLM land.
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<u>MILE POST</u>	<u>DESCRIPTION</u>
31-8-11.1	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 31-8-11.0 AND BLM ROAD NO. 31-8-11.1
0.22	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
0.36	SPOT ROCK WITH 20 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
1.45	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
1.87	END RENOVATION
31-8-11.4	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 31-8-11.3 AND BLM ROAD NO. 31-8-11.4 BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0
0.56	END RENOVATION
31-8-13.0	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 31-8-11.0 AND BLM ROAD NO. 31-8-13.0
0.08	SPOT ROCK WITH 10 C.Y. OF 1½" OPEN (SPEC NO. 1204D).
0.37	END RENOVATION
0.51	END OF ROAD USE AT PROPERTY LINE.
31-8-15.2	
0.00	BEGIN RENOVATION AT JUNCTION OF BLM ROAD NO. 31-8-3.0 AND BLM ROAD NO. 31-8-15.2 BEGIN SPOT ROCKING (AS NEEDED) WITH 1½" OPEN GRADED AGGREGATE (SPEC. NO. 1204D). SPOT ROCK TO BE OBTAINED FROM STOCK PILE AT MP. 1.89 ON ROAD NO. 31-7-17.0
0.65	END RENOVATION

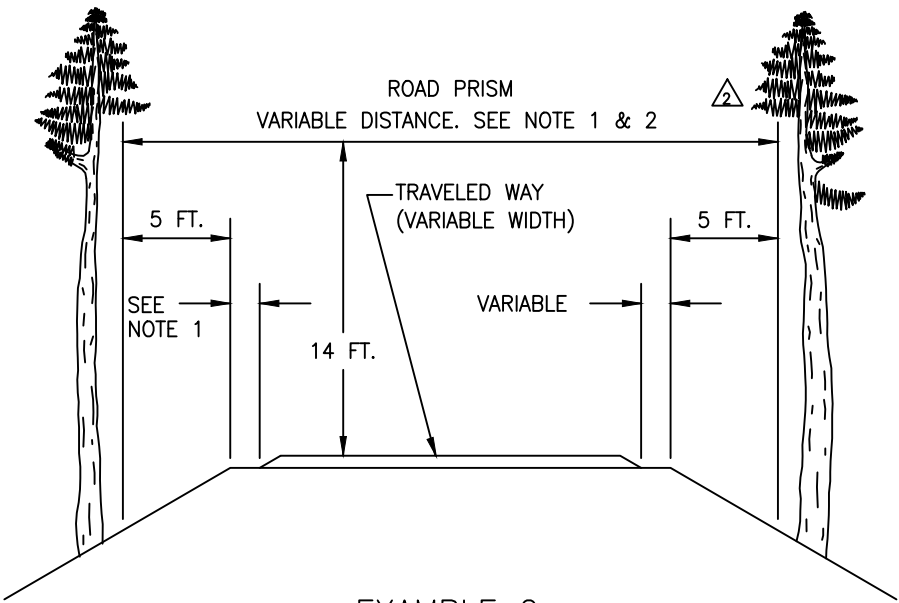


UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT OREGON STATE OFFICE ROSEBURG DISTRICT	
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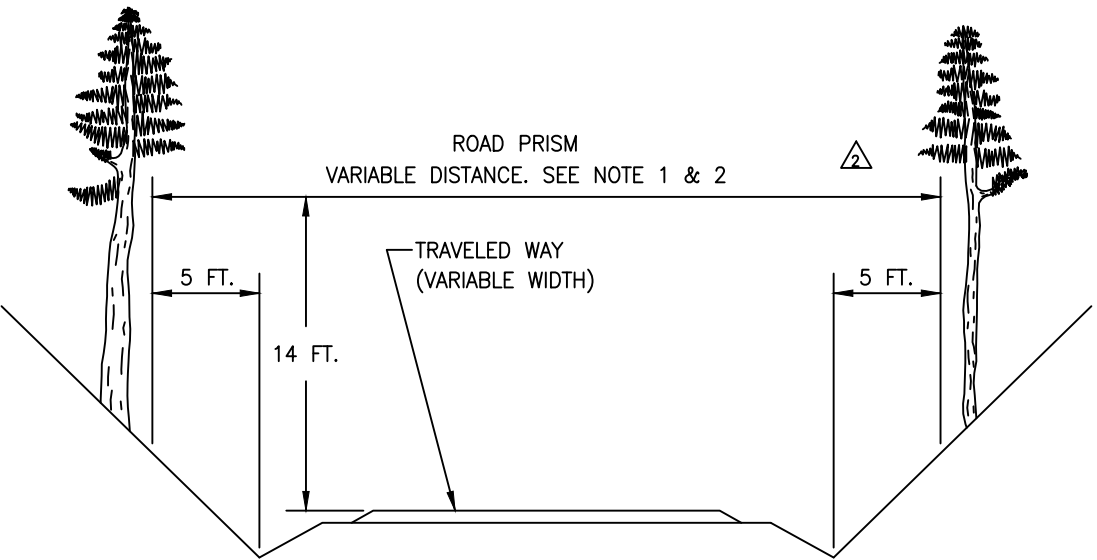
- NOTE:
- 1. ALL AREAS WITHIN THE VARIABLE DISTANCE SHALL BE CLEARED OF VEGETATION.
 - 2. ALL AREAS WITHIN THE VARIABLE DISTANCE SHALL BE FREE OF ALL OVERHANGING LIMBS AND BRANCHES WITHIN 14 FEET ELEVATION ABOVE RUNNING SURFACE. 



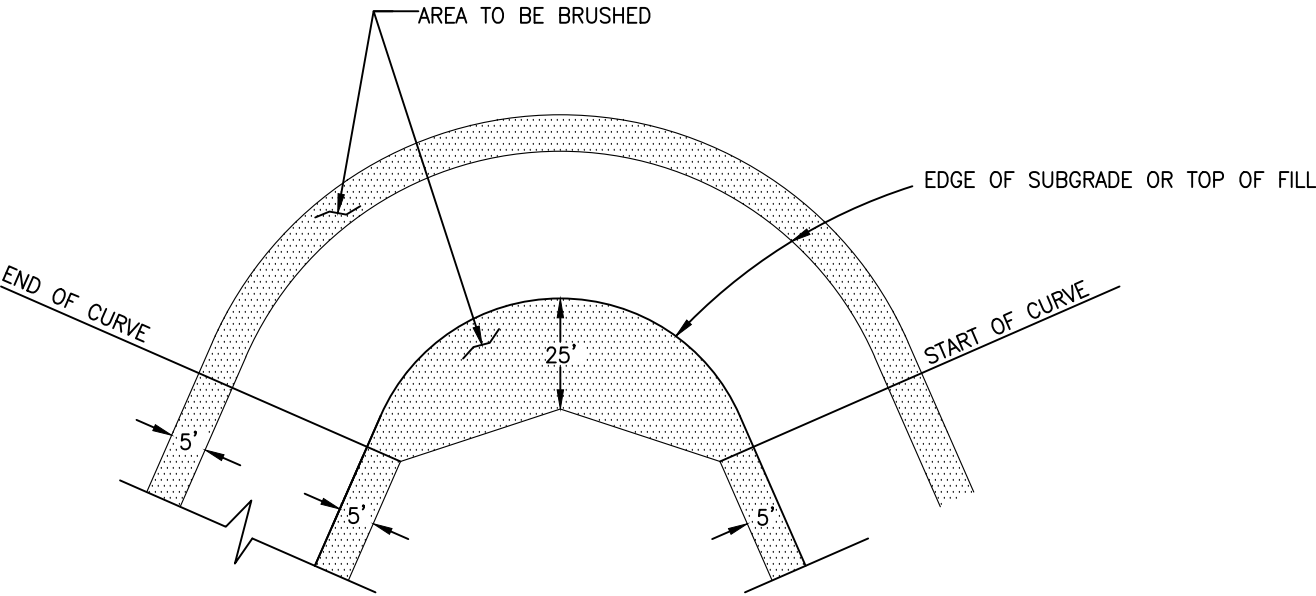
EXAMPLE 1



EXAMPLE 2



EXAMPLE 3



CURVE



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT OREGON STATE OFFICE ROSEBURG DISTRICT	
MISTER ED BRUSHING DETAIL	
DESIGNED: B. ALBIN	DATE: 12/12/2017
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