

# PROSPECTUS

## SCALE SALE

Sale Date: March 22, 2016

(1) Roseburg Sale No.: 2016.0010  
Douglas County, Oregon: O&C, Public Domain: Oral Auction

Sale Name: Cable Crossing Salvage  
Bid Deposit Required: \$44,600.00

All timber designated for cutting on:

Lots 10, 11, 12, 13, 18, 19, 20 & 21  
Lot 1

Sec. 19, T. 26 S., R. 2 W., Willamette Meridian  
Sec. 30, T. 26 S., R. 2 W., Willamette Meridian

Approx. Number Merch. Trees	Est. Vol. MBF 32' Log	Species	Est. Vol. MBF 16' Log	Appraised Price Per MBF	Est. Volume Times Appraised Price
3,859	2,094	Douglas-fir	2,527	\$166.80	\$421,503.60
1,391	128	Western Hemlock	154	\$34.60	* \$5,328.40
189	98	Sugar Pine	116	\$33.60	* \$3,897.60
197	55	Western Redcedar	67	\$191.20	\$12,810.40
163	15	Incense-cedar	18	\$89.40	\$1,609.20
5,799	2,390		2,882		\$445,149.20

\* BLM appraised price per MBF is a minimum stumpage value.

THE VOLUMES LISTED herein are estimates only, based on 16-foot taper breaks, 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. No sale shall be made for less than the total purchase price, without regard to the amount bid per unit, even though quantity of timber actually cut or removed or designated for taking is more or less than the estimated volume or quantity so listed.

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.

## CRUISE INFORMATION:

For all Harvest Areas: the timber volumes for all tree species are based on a variable plot cruise, containing a total of 49 plots and 72 randomly selected sample trees. Plots were measured using a 20 basal area factor (BAF). The volume of the randomly selected sample trees has been expanded to a total sale volume. A map showing the location of the plots and sample trees is available at the Roseburg District Office.

With respect to merchantable trees of all species: the average tree is 21.4 inches D.B.H.O.B., the average log contains 119 bd. ft., the total gross volume is approximately 3660 MBF and 79% recovery is expected.

CUTTING AREA: An area of approximately 64 acres in 1 unit and a right-of-way totaling approximately 1 acre will be clearcut.

TIMBER ACREAGE: Area 1: 64 acres R/W: 1 acre

ACCESS: Access to the sale area is provided by Government, County, and privately controlled roads.

DIRECTIONS TO SALE AREA: From Roseburg, proceed east on OR 138 (North Umpqua Highway) approximately 16.2 miles to the junction with County Road 17A (Little River Road). Then:

1. To reach the harvest area in the SW ¼ of Section 19, turn right onto County Road 17A (Little River Road) and proceed approximately 5.6 miles to the intersection with Road 26-3-34.2 (Thunder Mountain Road). Turn left onto Thunder Mountain Road and follow the Exhibit D map northeast approximately 6 miles to the sale area.
2. To reach the harvest area in the NW ¼ of Section 19, proceed east on OR 138 (North Umpqua Highway) approximately 6.2 miles to the junction with Road 26-3-1.1 (Swiftwater Road). Turn right onto Swiftwater Road and follow the Exhibit D map southeast approximately 6 miles to the sale area.

ROAD MAINTENANCE: Rockwear and maintenance fees of \$11,483.78 will be required to be paid to the BLM; rockwear and maintenance fees of \$13,357.51 will be required to be paid to Seneca Jones Timber Company; rockwear and maintenance fees of \$1,683.42 will be required to be paid to FIA Timber Growth Master, LLC; and a rockwear fee of \$223.60 will be required to be paid to Lone Rock Timber Company.

ROAD CONSTRUCTION: Estimates include the following: construct 7+65 stations, renovate 46+70 stations, and decommission 14+45 stations of road. Additional information is available in Exhibit C and Exhibit D of the Timber Sale Contract.

DURATION OF CONTRACT will be 12 months for cutting and removal of timber. The contract will contain SPECIAL PROVISIONS regarding: logging; environmental protection; road construction, renovation, maintenance, and use; fire prevention; slash disposal; and log exports.

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; (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 road work, falling, bucking, yarding, loading, and hauling. Refer to Sections 42(A)(7), 42(A)(8), 42(C)(2), and Exhibit E for details. A “seasonal restriction matrix” is included with this prospectus to serve as a guide in planning and scheduling operations. Approximately 98% of the sale area is available for wet season operations.
3. License agreements with Seneca Jones Timber Company, Lone Rock Timber Company and FIA Timber Growth Master are required. The terms and conditions of each license agreement are available for inspection at the Roseburg District Office.
4. Slash disposal requirements consist of the following: machine piling, covering and burning slash and debris within a fifty (50) foot radius of landings (approximately 10 landings). 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 Section 42(D) and Section 42(E) for details.

Roseburg Sale No. 2016.0010  
Sale Date: March 22, 2016  
Cable Crossing Salvage

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 on the Reserve Areas, except approximately 102 trees marked for cutting heretofore by the Government with yellow paint above and below stump height, as shown on Exhibit A.
- (b) Approximately 12 retention trees marked with orange paint above and below stump height within the cutting areas and all orange painted and posted trees which are on or mark the boundaries of the Reserve Areas.

Section 42. The Purchaser shall comply with the special provisions which are attached hereto and made apart 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 day 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) In the Harvest Areas shown on Exhibit A, all trees designated for cutting within one hundred (100) feet of the Reserve Areas shall be felled and yarded away from these areas.
- (4) No cable yarding or log loading is permitted in or through the Reserve Areas as shown on Exhibit A, unless otherwise approved by the Authorized Officer.
- (5) In the portions of Harvest Area 1 designated for cable yarding as shown on Exhibit A:
  - (a) Yarding shall be done with a cable skyline system capable of maintaining one-end suspension of logs during in-haul.
  - (b) All logs shall be yarded away from or parallel to streams as shown on Exhibit A, except in those portions of Harvest Area 1 where full suspension over the streams will be required.
  - (c) 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.
- (6) In the portions of Harvest Area 1 designated for helicopter yarding as shown on Exhibit A:
  - (a) Yarding shall be done with a helicopter.
  - (b) Helicopter log and service landings shall be placed at the approximate locations shown on Exhibit A and Exhibit D. Alternative landing sites identified by the Purchaser must be approved in writing by the Authorized Officer prior to use.
- (7) For portions of Harvest Area 1, as shown on Exhibit E, which is attached hereto and made a part hereof, no operations, except hauling, may be conducted from March 1 to August 31, both days inclusive, of each calendar year due to the potential disruption of Peregrine Falcons.

Dependent upon Peregrine Falcon activity, the Authorized Officer may lift the seasonal restriction in any given year on such operations in writing.

- (8) For portions of the Contract Area within 65 yards of unsurveyed suitable spotted owl habitat, as shown on Exhibit E, no operations, except hauling, may be conducted from March 1 to July 15, both days inclusive, of each calendar year due to the potential disruption of northern spotted owls.

Additionally, for portions of the Contract Area within 0.25 miles of unsurveyed suitable spotted owl habitat, as shown on Exhibit E, the use of helicopters is not permitted from March 1 to July 15, both days inclusive, of each calendar year due to the potential disruption of northern spotted owls.

The Government will conduct surveys to determine whether northern spotted owls are present within 0.25 miles of the Harvest Area. If it is determined that northern spotted owls are not present, the Authorized Officer may lift the seasonal restriction in any given year on such operations in writing.

- (9) For a distance of fifty (50) feet from the perimeter of each landing designated by the Authorized Officer, all logs more than eight (8) inches in diameter at the large end and longer than eight (8) feet in length shall be decked or windrowed at the location designated by the Authorized Officer, except logs sold and removed from the Contract Area. If a log or piece of log meeting or exceeding the above specifications is bucked and left in place, all portions of that log shall be yarded and decked at the above described location.
- (10) 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.

Section 42(B) 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, prior to initial move-in, to minimize the likelihood of spreading noxious weeds and non-native plant species 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) In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall, upon completion of logging operations, remove rock surfacing from Spur 1 and perform subsoiling operations on approximately one-tenths (0.1) miles of Spur 1 and associated

compacted areas such as turnouts, truck turnarounds and log decking areas as designated by the Authorized Officer and in accordance with the following stipulations:

- (a) All rock removal and subsoiling equipment shall be inspected and approved by the Authorized Officer before rock removal or subsoiling begins.
  - (b) Rock surfacing shall be removed from the road as necessary to allow successful subsoiling operations, as determined by the Authorized Officer. At least seventy (70) percent of the rock surfacing shall be removed from the road surface and stockpiled in the location designated by the Authorized Officer.
  - (c) The compacted surfaces shall be subsoiled (broken up, loosened, and de-compacted) using excavator attachments, log loader tongs or other approved equipment.
  - (d) Slash and other organic debris and some topsoil will be spread over the subsoiled surface to cover at least (50) percent of the subsoiled area, where levels of this material are available. Waterbars shall be constructed concurrently with subsoiling operations on grades steeper than ten (10) percent, as directed by the Authorized Officer.
  - (e) Subsoiling shall occur during the same dry season as road construction as described in Section 42(C)(2), unless otherwise approved by the Authorized Officer.
  - (f) Subsoiling shall be completed to a minimum depth of eighteen (18) inches below the ground surface, unless otherwise approved by the Authorized Officer.
  - (g) Treated areas shall span the total width of compaction, as identified by the Authorized Officer. At least eighty (80) percent of the compacted soil profile shall be shattered. No more than fifty (50) percent of the treated soil shall have clods greater than two (2) inches in diameter, unless otherwise approved by the Authorized Officer.
  - (h) Subsoiling shall not occur within a five foot radius of the boles of residual trees where major roots can be cut, mangled or pulled, unless otherwise directed by the Authorized Officer.
  - (i) Equipment shall not be allowed to operate on slopes in excess of thirty-five (35) percent or to cross streams or drainages unless approved by the Authorized Officer.
- (4) The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:
- (a) Threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or reinitiation of consultation is required concerning the species prior to continuing operation, or;
  - (b) When, in order to comply with the Endangered Species Act, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;

- (c) Federal proposed, federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
- (d) Other active raptor nests have been discovered, and a determination is made that continued operations under this contract would adversely affect the present use of the discovered nesting area by the raptor, or;
- (e) When, in order to comply with a court order which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;
- (f) When, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract;
- (g) Species have been discovered which were identified for protection through Survey and Manage and/or protection buffer standards and guidelines established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;
- (h) When, in order to protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

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

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

In the event of a suspension period or a combination of suspension periods that exceed a total of 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, protect species that have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or comply with a court order. Following the issuance of a written notice that cutting and removal rights will be terminated, the Purchaser will be permitted to remove timber cut under the contract, if allowed by the Endangered Species Act, survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or court order requirements necessitating the modification or termination.

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

- (1) Purchaser shall construct: Spur 1. Purchaser shall renovate: Road 26-2-30.1 Segment A and Road 26-2-30.2 Segment A. Any required construction or renovation shall be completed in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof. Any required construction or renovation of structures and roads shall be completed prior to the removal of any timber, except right-of-way timber, over that road.
- (2) No road construction or renovation shall be conducted between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive, or other periods of unseasonably wet weather and soil moisture conditions, unless otherwise approved by the Authorized Officer.
- (3) Upon completion of logging operations, the following roads and spurs shall be decommissioned in strict accordance with the plans and specifications shown on Exhibit D: Spur 1 and Road 26-3-24.0 Landing.
- (4) The Purchaser is authorized to use the roads listed and shown on Exhibit D which are under the jurisdiction of the Bureau of Land Management for the removal of Government timber sold under the terms of this contract provided that the Purchaser pay the required maintenance and rockwear obligations described in Section 42(C)(5). Any road listed on Exhibit D and requiring construction 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.
- (5) The Purchaser shall pay the Government a maintenance and rockwear obligation estimated at Eleven Thousand Four Hundred Eighty-Three and 78/100 dollars (\$11,483.78), to be determined by log scale upon completion of haul, for the transportation of timber included in the contract area over roads listed on the Exhibit D. This approximated maintenance and rockwear obligation is based upon volumes determined pursuant to Exhibit B of this contract and the use of five and nine-tenths (5.9) miles of road or less. Unless the total maintenance and rockwear 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 and rockwear payments made under this contract exceed the total maintenance and rockwear payments due, such excess shall be returned to the Purchaser after such determination is made.
- (6) 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.
- (7) 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 SENECA JONES TIMBER COMPANY PURCHASES:**

- (8) In the use of Road 26-3-34.2 Segments A and C1, Road 26-3-34.1 Segments E1 and F, Road 26-3-15.0 Segment F and Road 26-3-24.0 Segment A, the Purchaser shall comply with the conditions, including but not limited to those set out below, of the Right-of-Way and Road Use Agreement No. R-913, dated August 17, 1977, between the United States of America and Seneca Jones Timber Company, available for inspection at the Bureau of Land Management, Roseburg District Office, 777 N.W. 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 rockwear and maintenance obligation in the amount of Thirteen Thousand Three Hundred Fifty-seven and 51/100 dollars (\$13,357.51).
  - (c) Payment of a road use obligation in the amount of One Thousand Seven Hundred Seventy-four and 58/100 dollars (\$1,774.58).
  - (d) 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 or road maintenance 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:**

- (9) In accordance with 43 CFR2812.6-2(a)(5), the following allowances have been made for amortization on capital investment of the roads covered by Right-of-Way and Road Use Agreement No. R-913, dated August 17, 1977, between the United States of America and Seneca Jones Timber Company: One Thousand Seven Hundred Seventy-four and 58/100 dollars (\$1,774.58) for the use of Road 26-3-15.0 Segment F and Road 26-3-24.0 Segment A. It is understood that the purchase price stated in Section 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 LONE ROCK TIMBER COMPANY PURCHASES:**

- (10) In the use of Road 26-3-24.0 Segment B, and the helicopter service landing located in the SE ¼ of Section 24, T. 26 S., R. 3 W., W.M., the Purchaser shall comply with the conditions, including but not limited to those set out below, of the Right-of-Way and Road Use Agreement No. R-531A, dated August 28, 1986, between the United States of America and Lone Rock Timber Company, available for inspection at the Bureau of Land Management, Roseburg District Office, 777 N.W. Garden Valley Blvd., Roseburg, Oregon 97471. These conditions include:

- (a) Prior to the use of said road and landing, the Purchaser shall furnish the Authorized Officer a copy of the executed license agreement.
- (b) Payment of a rockwear obligation in the amount of Two Hundred Twenty-three and 60/100 dollars (\$223.60).
- (c) 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 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 OTHER THAN FIA TIMBER GROWTH MASTER, LLC PURCHASES:**

- (11) In the use of Road 26-3-1.1 Segment D (base), Road 26-3-15.0 Segments D and E, and Road 26-3-24.0 Segment C, the Purchaser shall comply with the conditions, including but not limited to those set out below, of the Right-of-Way and Road Use Agreement No. R-698, dated February 17, 1966, between the United States of America and FIA Timber Growth Master, LLC, available for inspection at the Bureau of Land Management, Roseburg District Office, 777 N.W. 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 rockwear and maintenance obligation in the amount of One Thousand Six Hundred Eighty-three and 42/100 dollars (\$1,683.42).
  - (c) Payment of a road use obligation in the amount of Three Thousand Four Hundred Sixty-one and 43/100 dollars (\$3,461.43).
  - (d) 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 or road maintenance 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 FIA TIMBER GROWTH MASTER, LLC PURCHASES:**

- (12) In accordance with 43 CFR 2812.6-2(a)(5), the following allowances have been made for amortization on capital investment of the road covered by Right-of-Way and Road Use Agreement No. R-698, dated February 17, 1966, with the Purchaser: Three Thousand Four Hundred Sixty-one and 43/100 dollars (\$3,461.43) for Road 26-3-1.1 Segment D (base), Road 26-3-15.0 Segment E, and Road 26-3-24.0 Segment C. 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(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 and Site Preparation:

- (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) 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 the Purchaser's operations under the terms of this contract.
  - (b) Landings shall be piled and covered within thirty (30) days of the completion of yarding from each landing.
  - (c) Covering of slash piles shall be done concurrently with piling operations. The covers shall be firmly fixed to each pile.
  - (d) Finished piles shall be tight and free of earth.
  - (e) Machine pile and cover all slash within fifty (50) feet of all landings or other locations as directed by the Authorized Officer in accordance with the following specifications:
    - (1) Landing slash piles shall be capped with a ten (10) foot by ten (10) foot cover of four (4) mil black plastic to maintain a dry ignition point.
    - (2) Slash piles shall be located away from unit boundaries, retention trees, snags, downed logs and stumps.
- (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, mop-up and patrol by furnishing, at the Purchaser's own expense, the services of personnel and equipment on each unit as shown below:

For igniting and burning landing piles, 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. All crew members must have a current qualification card for FFT2 or higher. All qualifications are defined according to National Wildfire Coordinating Group (NWCG) Wildland Fire Qualifications System guide, PMS 310-1. Qualifications and equipment levels are the minimum and may exceed those stated above.

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 Fire Fighters 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.

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(E)(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 Three Hundred Seven and 75 /100 dollars (\$307.75) 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 ( $8\frac{3}{4}$ ) 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 ( $8\frac{3}{4}$ ) 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 the 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 Nonsubstitution and the Domestic Processing of Timber). The original of such certification shall be filed with the Authorized Officer. Additionally, when the other party is an affiliate of the Purchaser, the

Purchaser will be required to update information under item (2) of Form 5450-17 (Export Determination) and file the form with the Authorized Officer.

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

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

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

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

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

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

Note: This matrix is provided to serve prospective purchasers as a guide only; refer to the timber sale contract Special Provisions for a complete statement of the seasonal operating restrictions.

**Seasonal Restrictions are cross-hatched.**

Harvest Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug			Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	16	1	15	1	16	1	5	16	1	15	1	15	1	15	1	15
Unit 1	Right-of-way logging and clearing, road construction, renovation, subsoiling <sup>1, 2, 3</sup>																									
	Falling and bucking <sup>2, 3</sup>																									
	Cable yarding <sup>2, 3</sup>																									
	Helicopter Yarding <sup>2, 3</sup>																									
	Loading <sup>2, 3</sup>																									
	Hauling																									

<sup>1</sup> Wet season restriction applying to all road construction and renovation from October 15 – May 15 may be shortened or extended depending on weather conditions.

<sup>2</sup> Spotted owl nesting season restriction from March 1 – July 15 may be waived depending on survey results.

<sup>3</sup> Peregrine falcon nesting season restriction from March 1 – August 31 may be waived depending on survey results.

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)

**SCALE SALE**

Tract Number  
**(1) 2016.0010**  
Sale Name  
**Cable Crossing Salvage**  
Sale Notice (dated)  
**February 23, 2016 (Sale date 03/22/16)**  
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 \$ **44,600.00** 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 – SCALE SALE**

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

BID SUBMITTED			(Est. Volume MBF 16' Log)		ORAL BID MADE	
PRODUCT SPECIES	UNIT	ESTIMATED VOLUME OR QUANTITY	UNIT PRICE	TOTAL VALUE	UNIT PRICE	TOTAL VALUE
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	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
	MBF		x _____ = _____		x _____ = _____	
<b>Totals</b>	<b>MBF</b>	<b>2,882</b>	x _____ = _____		x _____ = _____	
<b>TOTAL PURCHASE PRICE</b>						

(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)

**SCALE SALE**

Tract Number  
**(1) 2016.0010**  
Sale Name  
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Sale Notice (dated)  
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☐ guaranteed remittance approved by the authorized officer.

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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 26 South, Range 2 West, Sections 19 & 30, Willamette Meridian

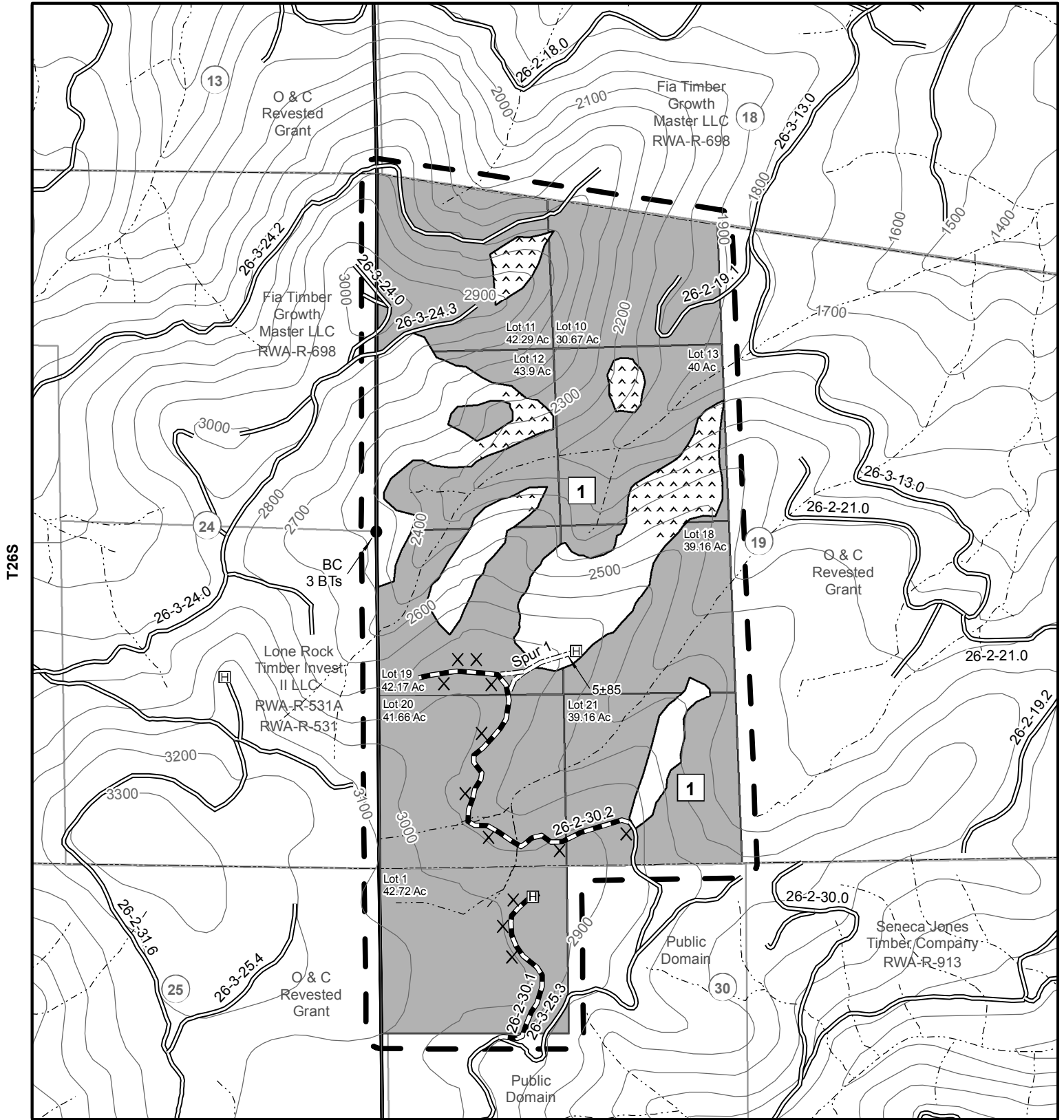
<i>HARVEST AREA</i>	<i>HARVEST ACRES</i>	<i>HARVEST METHOD</i>
<div>1</div>	64	CABLE/HELICOPTER
Total	64	

SALVAGE AREA-----	64	Acres
RIGHT-OF-WAY (CLEARING)-----	1	Acre
TOTAL HARVEST AREA-----	65	Acres
RESERVE AREA -----	296.73	Acres
TOTAL CONTRACT AREA -----	361.73	Acres

1. Boundaries are posted with tags that read "Boundary of Timber Reserve" and trees are blazed and painted orange. Trees marked with orange blazes are reserved by the government.
2. Clearing limits on road rights-of-ways are posted with tags that read "Right-of-Way".
3. Trees marked with orange paint in all Harvest Areas are reserved by the government.
4. Trees designated for cutting in the reserve area are marked with yellow paint.

Note: Acres shown on Exhibit A have been computed using a Trimble Geo XT Global Positioning System receiver and ESRI ArcMap 10.2 GIS software. Acreage was calculated based on Global Positioning System traverse procedures including differential correction.

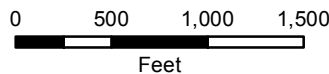


Legend

- Helicopter Landing
- Survey Corner Found
- Trees Marked for Cutting/Reserve Area
- Stream
- Existing Road
- Road Construction
- Road Renovation
- Contract Area
- Harvest Area - Cable Yarding
- Harvest Area - Helicopter Yarding
- Reserve Area

1:12,000

1 inch = 1,000 feet



Date: 2/3/2016

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.

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

Contract No.: ORR04-TS-2016.0010

Sale Name: Cable Crossing Salvage

Issuing Office: Roseburg District

**EXHIBIT B  
SCALE SALE**

**PURCHASE PRICE SCHEDULE AND MEASUREMENT SPECIFICATIONS**

- 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	\$166.80
Western Hemlock	MBF	\$34.60
Sugar Pine	MBF	\$33.60
Western Redcedar	MBF	\$191.20
Incense-cedar	MBF	\$89.40

- 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	12 feet	14 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.

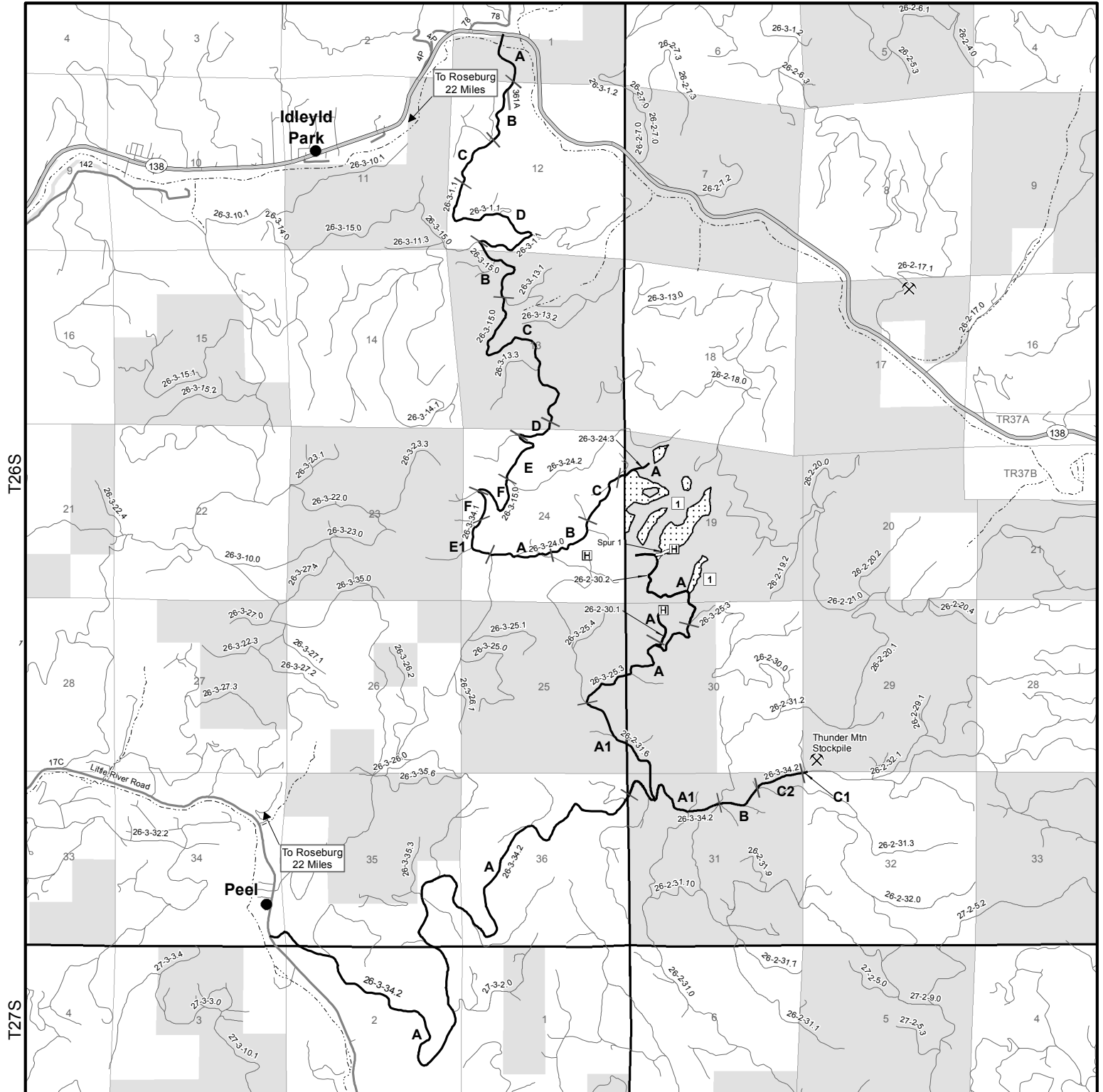
B. **Merchantable Timber Not Yet Removed from Contract Area** - The value of merchantable timber which has not been removed will be determined by multiplying the value per acre as shown below times the amount of acreage subject to the purpose of the value determination, as determined by the Authorized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

<b>Total Estimated Purchase Price And/Or Schedule of Volumes and Values for Merchantable Timber Not Yet Removed from Contract Area</b>					
<b>Cutting Area</b>		<b>Total Estimated Volume (MBF)</b>		<b>Total Estimated Purchase Price</b>	
<b>Cutting Area Number</b>	<b>Approximate Number of Acres</b>	<b>Volume per Acre</b>	<b>Total Volume</b>	<b>Value per Acre</b>	<b>Total Value</b>
1	65	44.34	2,882		
<b>Sale Total</b>	<b>65</b>		<b>2,882</b>		



R03W

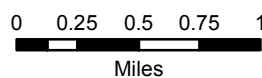
R02W



## Legend

- Segment Break
- Road Construction
- Haul Route
- Helicopter Landing
- Harvest Area
- Major Stream
- Existing Road
- BLM Lands

1:50,000



Date: 2/3/2016

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.

U.S Department of the Interior  
Bureau of Land Management

Access & Maintenance List  
EXHIBIT D

Cable Crossing Salvage  
Contract # ORR04-TS-2016.0010

Road No.	Road Seg.	Segment Length	Segment Owner	Road Use Fees	Surface Type	Timber Haul Fees	Maintained By
26-2-30.1	A *	0.25	BLM		Rock	\$0.49	Purchaser
26-2-30.2	A *	0.86	BLM		Rock	\$0.49	Purchaser
26-2-31.6	A1(POR)	0.74	BLM		Rock	\$1.46	BLM
26-3-1.1	A	0.30	BLM		Rock	\$0.71	BLM
26-3-1.1	B	0.46	CNTY	Free Use	Rock	\$1.25	BLM
26-3-1.1	C	0.32	BLM		Rock	\$1.25	BLM
26-3-1.1	D (Base)	1.15	TGM	\$0.42	Rock	\$0.49	BLM
26-3-1.1	D(IMP)	1.15	BLM		Rock	\$0.97	BLM
26-3-15.0	B	0.47	BLM		Rock	\$1.46	BLM
26-3-15.0	C	1.20	BLM		Rock	\$1.46	BLM
26-3-15.0	D	0.28	TGM	Paid Off	Rock	\$1.46	TGM
26-3-15.0	E	0.37	TGM	\$0.54	Rock	\$1.46	TGM
26-3-15.0	F *	0.44	Seneca	\$1.33	Rock	\$0.49	Purchaser
26-3-24.0	A *	0.31	Seneca	\$0.36	Rock	\$0.49	Purchaser
26-3-24.0	B	0.41	LRT	Paid Off	Rock	\$0.49	Purchaser
26-3-24.0	C(POR)	0.25	TGM	\$2.15	Native		Purchaser
26-3-24.3	A *	0.22	BLM		Rock	\$0.49	Purchaser
26-3-25.3	A(POR)	1.00	BLM		Rock	\$1.46	BLM
26-3-34.1	E1(Base)*	0.39	Seneca	Paid Off	Rock	\$0.49	Purchaser
26-3-34.1	E1(IMP)	0.39	BLM		Rock		Purchaser
26-3-34.1	F *	0.10	Seneca	Paid Off	Rock	\$0.49	Purchaser
26-3-34.2	A	4.91	Seneca	Paid Off	Rock	\$1.46	Seneca
26-3-34.2	A1	0.79	BLM		Rock	\$1.46	BLM
26-3-34.2	B	0.27	BLM		Rock		BLM
26-3-34.2	C1	0.03	Seneca		Rock		BLM
26-3-34.2	C2	0.30	BLM		Rock		BLM
Spur 1	A *	0.11	BLM		Rock	\$0.49	Purchaser

\* Rockwear fees payable to segment owner.

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## ROAD MAINTENANCE SPECIFICATIONS

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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
3500	Decommissioning

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**ROAD MAINTENANCE SPECIFICATIONS**

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**GENERAL - 3000**

- 3001      The Purchaser shall be required to maintain all roads listed and/or referenced in Section 42.C., Special Provisions of this contract in accordance with Sections 3000, 3100, 3200, 3300, 3400 and 3500 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.
- 3103      The purchaser shall maintain established berms and place additional berms using adjacent material where needed to protect fills as directed by the Authorized Officer.
- 3104      The purchaser shall perform other road cleanup including removal of debris, fallen timber, bank slough, and slides which can practicably be accomplished by a motor grader, rubber tired front end bucket loader, rubber tired backhoe or comparable equipment, and by the use of hand tools.
- 3104a      Removal of bank slough and slide material includes placement of material at the nearest designated, suitable disposal site where material cannot erode into streams, lakes, or reservoirs or cause undue damage to road fill slopes which have been planted or mulched to control soil erosion as directed by the Authorized Officer.
- 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.

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## ROAD MAINTENANCE SPECIFICATIONS

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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. Skidding of logs on the roadway in or outside designated logging units is not authorized without prior written approval by the Authorized Officer. Repair required caused by such skidding activity is not considered maintenance and shall be repaired at the Purchaser's expense.

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## ROAD MAINTENANCE SPECIFICATIONS

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### 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 him, 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 terms of their contract within thirty 30 calendar days following the expiration of Purchaser's right to cut and remove timber or completion of hauling and in accordance with Sec. 16(b) of this contract. This work shall include any maintenance and/or damage repairs specified in Sections 3000, 3100, and 3200 necessary to meet the conditions specified in Subsection 3002 and shall be executed in accordance with Subsection 3302 of this section.

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

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

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

## ROAD MAINTENANCE SPECIFICATIONS

---

### OTHER MAINTENANCE - 3400

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

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

### DECOMMISSIONING – 3500

- 3501 Decommissioning shall consist of removing culverts, installing water bars, subsoiling, placement of slash and blocking road from access by vehicles. This work is not required for road acceptance under Section 18 of this contract.
- 3503 Decommissioning shall be performed on existing roads in accordance with these specifications, at the following locations:

Road No.	From Sta	To Sta	Decommission
Spur 1	0+00	5+85	Waterbar, block, subsoil, remove rock
Spur 1 Y Jct	0+00	1+80	Waterbar, block, subsoil, remove rock
26-3-24.0 Landing	At Jct with 26-3-24.3		Waterbar, block

- 3504 Decommissioning work shall be completed at the end of timber hauling activities .
- 3506 Stockpiled slash shall be used to protect exposed areas created by the Purchaser's operations described in these sections. Slash shall be uniformly spread and placed without bunching. The operation shall produce a dense, uniform mat. Where slash is not available exposed soil areas shall be stabilized in accordance with Section 1800 in Exhibit C.
- 3509 Access shall be blocked with barricades as shown on the typical detail sheet and at locations as shown Subsection 3503.
- 3511 Water barring and subsoiling shall be done on designated roadways, turnouts, disturbed areas and landings. Subsoiling shall be performed in accordance with Section 42(C)(3) in Timber Sale Contract.

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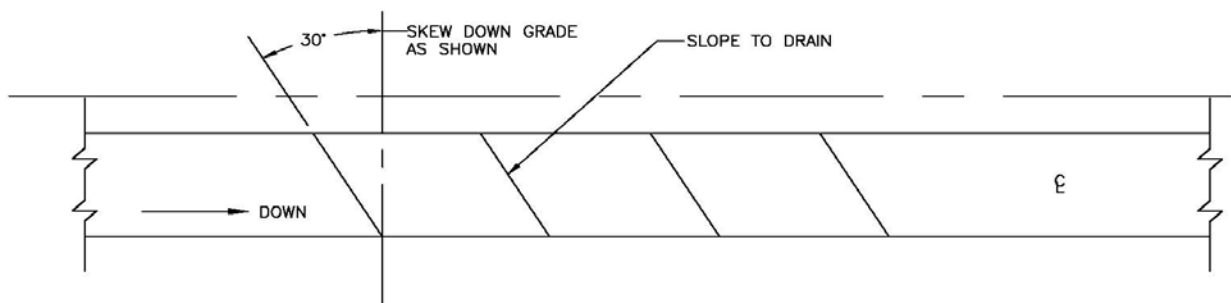
### ROAD MAINTENANCE SPECIFICATIONS

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- 3513 Water bars shall be installed across full width of roadway at locations and spacing shown in the specifications and typical detail sheet. Water bars shall be constructed as shown on typical detail sheet. No water bar will be installed closer than 50 feet to a draw crossing.
- 3514 Protection of exposed surfaces shall be accomplished by placement of soil stabilization material in accordance with Section 1800 on designated roadways, turnouts, disturbed areas, landings, cut banks, fill slopes and other areas disturbed by the purchaser's operations in accordance with these specifications.

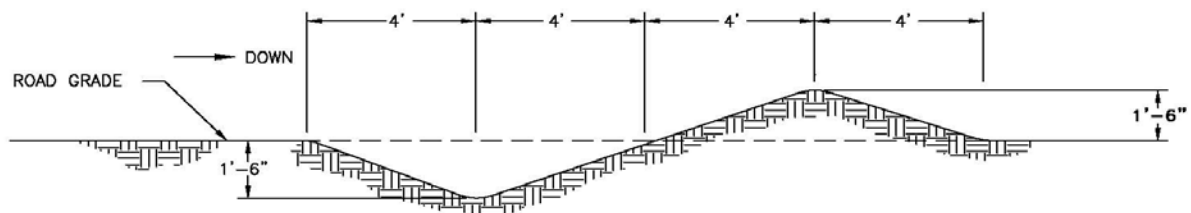
## ROAD MAINTENANCE SPECIFICATIONS

### EXHIBIT D WATERBAR DETAIL



#### ROAD PLAN

SCALE: NONE



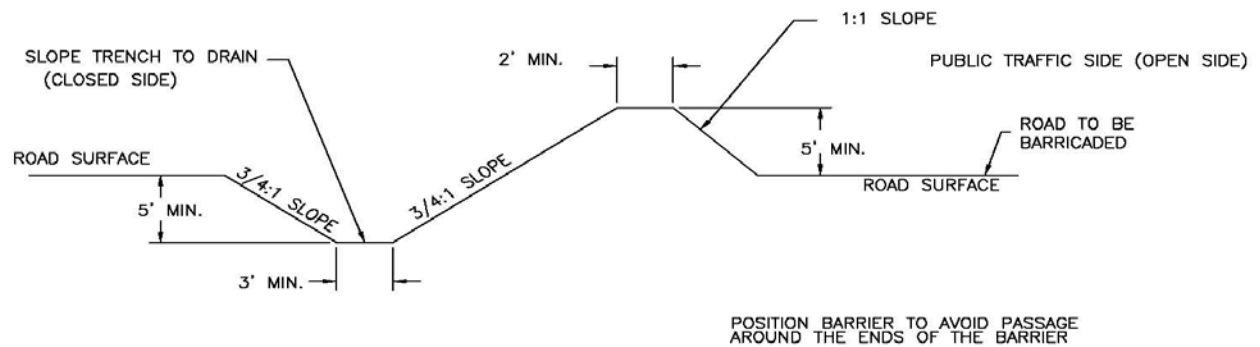
#### ROAD PROFILE

SCALE: NONE

WATERBAR SPACING IN FEET	
ROAD GRADIENT IN %	SPACING
3 TO 5	300
6 TO 10	200
11 TO 15	150
16 TO 20	75
21 TO 35	50

ROAD MAINTENANCE SPECIFICATIONS

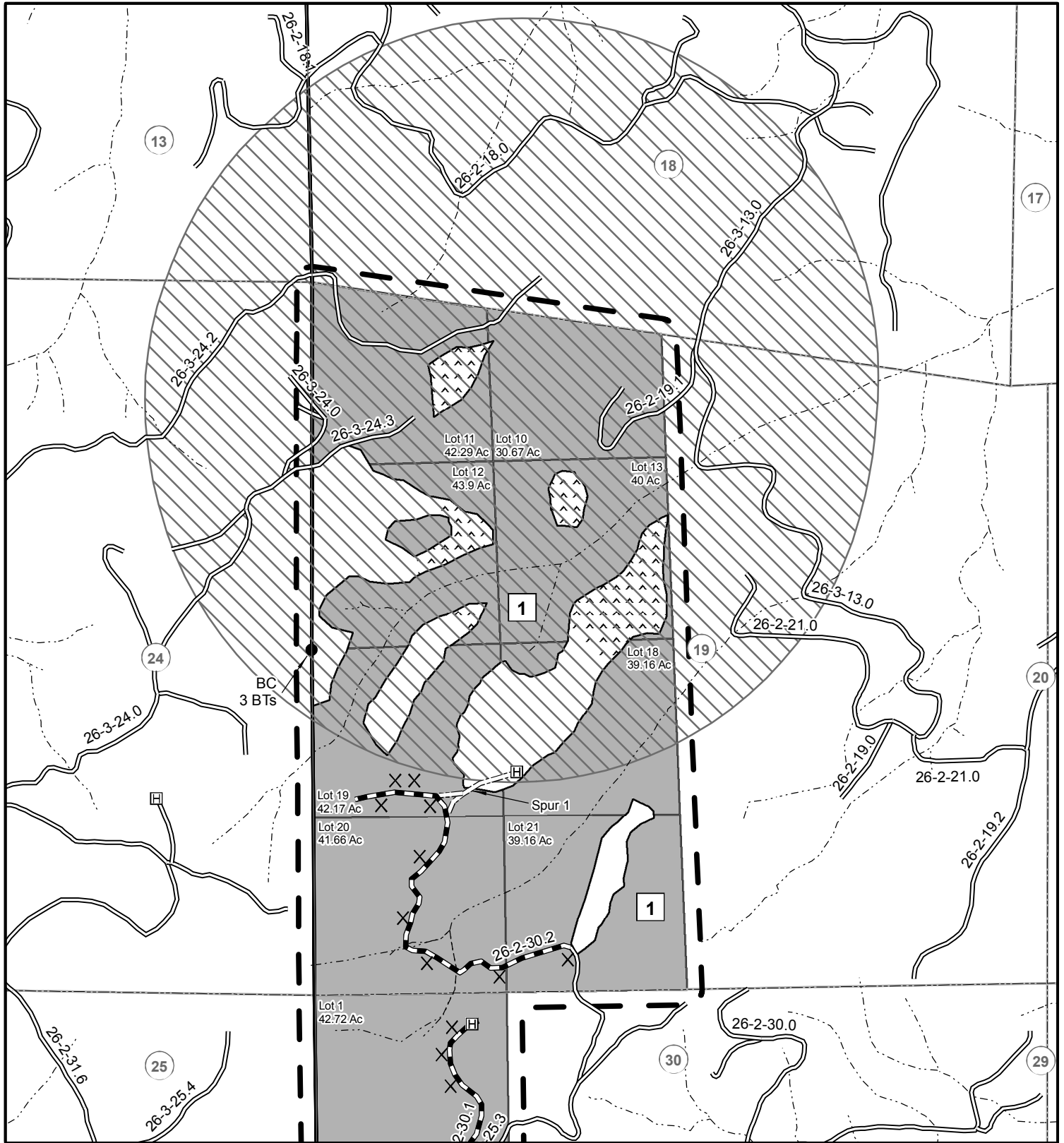
EXHIBIT D  
TRENCH BARRIER DETAIL



TRENCH BARRIER  
SCALE: NONE



T26S



Legend

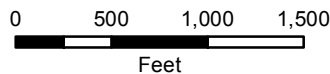
- |                                       |   |
|---------------------------------------|---|
| Helicopter Landing                    | Peregrine Falcon Seasonal Restriction March 1 - August 31 |
| Survey Corner Found                   | Harvest Area - Cable Yarding                              |
| Trees Marked for Cutting/Reserve Area | Harvest Area - Helicopter Yarding                         |
| Stream                                | Reserve Area  |
| Existing Road                         | Contract Area   |
| Road Construction                     |   |
| Road Renovation                       |   |

R03W

R02W

1:12,000

1 inch = 1,000 feet

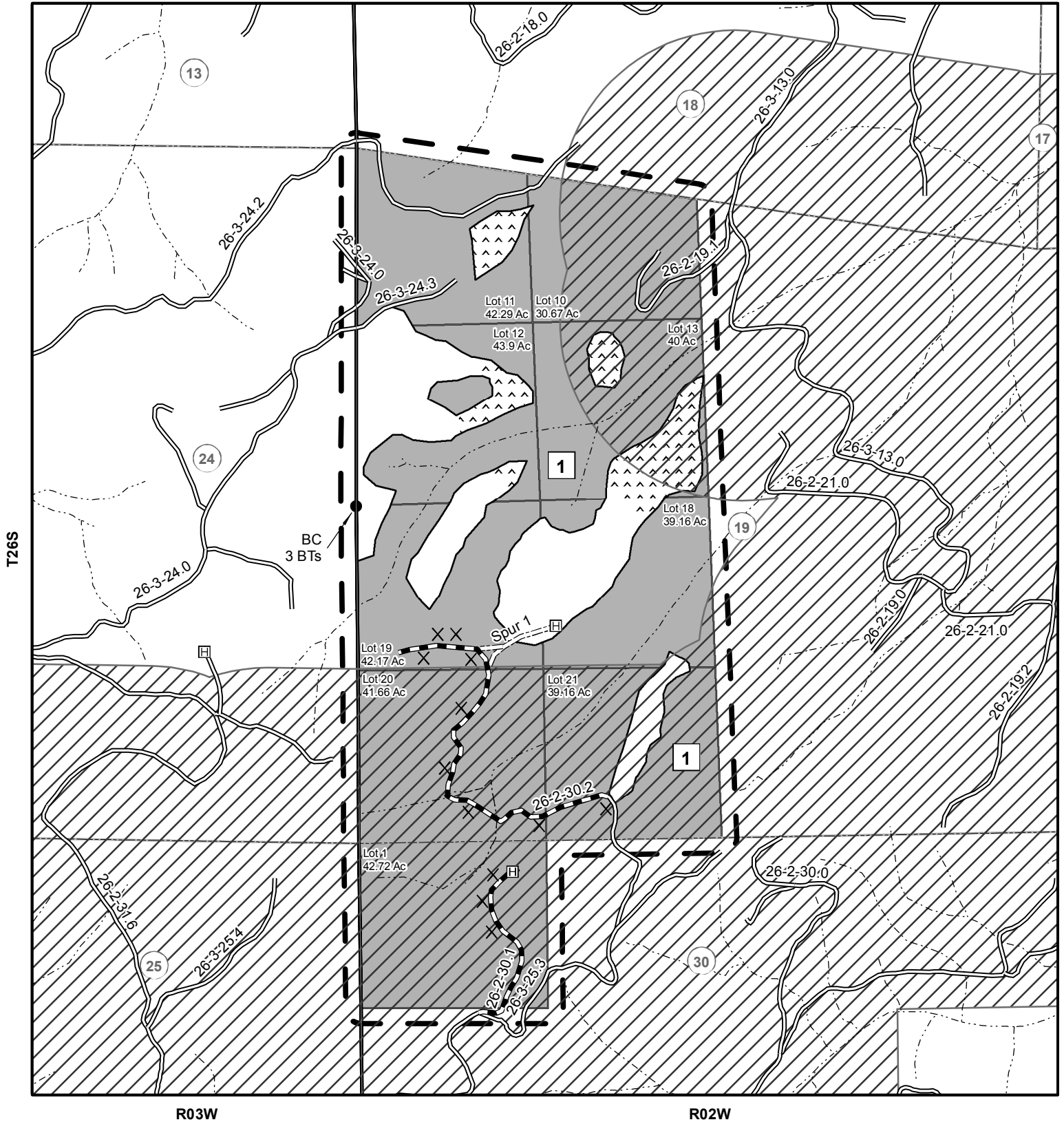


Date: 2/2/2016

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

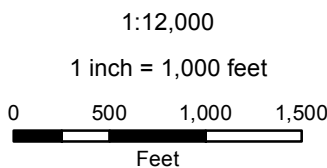


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.



Legend

- Helicopter Landing
- Survey Corner Found
- Trees Marked for Cutting/Reserve Area
- Road Construction
- Road Renovation
- Existing Road
- Stream
- Northern Spotted Owl
- 0.25 Mile Seasonal Restriction March 1 - July 15
- Harvest Area - Cable Yarding
- Harvest Area - Helicopter Yarding
- Reserve Area
- Contract Area

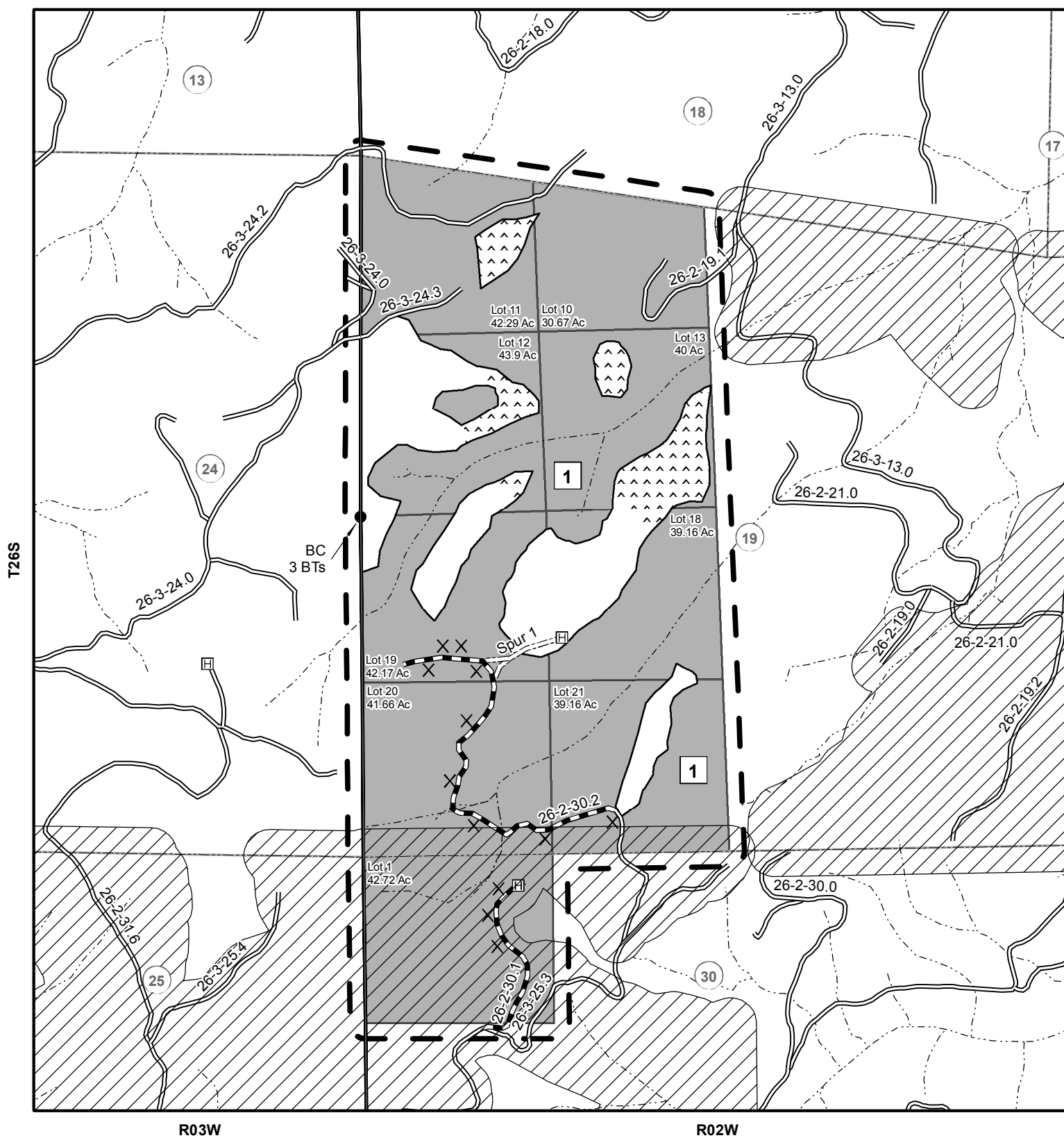


Date: 2/2/2016














Roseburg District  
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Roseburg, Oregon 97471



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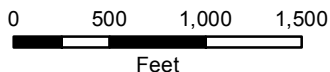


### Legend

- |   |   |   |                                   |
|---|---|---|-----------------------------------|
|  | Helicopter Landing                        |  | Northern Spotted Owl              |
|  | Survey Corner Found                       |  | 65 Yard Seasonal Restriction      |
|  | Trees Marked for Cutting/<br>Reserve Area |  | Harvest Area - Cable Yarding      |
|  | Road Construction                         |  | Harvest Area - Helicopter Yarding |
|  | Road Renovation                           |  | Reserve Area                      |
|  | Existing Road                             |  | Contract Area                     |
|  | Stream                                    |   |                                   |

1:12,000

1 inch = 1,000 feet



Date: 2/3/2016

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



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

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<b>District :</b> Roseburg	<b>Contract # :</b> ORR04-TS-2016.0010
<b>Sale Name :</b> Cable Crossing Salvage	<b>Job File # :</b> R10-787
<b>Sale Date :</b> 03/22/2016	<b>Master Unit :</b> Douglas
<b>Appraisal Method :</b> 16' MBF	<b>Planning Unit :</b> Swiftwater

---

**Contents**

Timber Sale Summary	2
Stumpage Summary	3
Stump to Truck Costs	4
Other Allowances Costs	5
Consolidated Comments	6

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

Roseburg  
Cable Crossing Salvage  
ORR04-TS-2016.0010

**Legal Description**

Forest Type	Township	Range	Section	Subdivision
O&C	26	2	19	Lots 10, 11, 12, 13, 18, 19, 20, & 21
PD	26	2	30	Lot 1

**Cutting Volume (16' MBF)**

Unit	DF	WH	SP	WRC	IC				Total	Regen	Partial	ROW
1	2,527	154	116	67	18				2,882	64	0	0
Totals	2,527	154	116	67	18				2,882	64	0	0

**Logging Costs per 16' MBF**

Stump to Truck	\$	184.37
Transportation	\$	68.31
Road Construction	\$	5.42
Road Amortization	\$	1.82
Road Maintenance	\$	12.04

Other Allowances :

Equipment Cleaning	\$ 0.52
Misc	\$ 0.57
<b>Total Other Allowances :</b>	<b>\$ 1.09</b>

**Profit & Risk**

Total Profit & Risk	13 %
Basic Profit & Risk	10 % + Additional Risk 3 %
Back Off	0 %

**Tract Features**

Avg Log	Douglas-fir : 157 bf	All : 144 bf
Recovery	Douglas-fir : 80 %	All : 79 %
Salvage	Douglas-fir : 100 %	All : 100 %
Avg Volume ( 16' MBF per Acre)		45
Avg Yarding Slope		0 %
Avg Yarding Distance (feet)		0
Avg Age		0
Volume Cable		71 %
Volume Ground		1 %
Volume Aerial		28 %
Road Construction Stations		7.65
Road Improvement Stations		0.00
Road Renovation Stations		46.70
Road Decommission Stations		14.45

**Cruise**

Cruised By	Coppersmith and Kress
Date	01/04/2016
Type of Cruise	PCMTRE
County, State	Douglas, OR

**Net Volume**

Green (16' MBF)	0
Salvage (16' MBF)	2,882
Douglas-fir Peeler	278
Export Volume	0
Scaling Allowance (\$0.75 per 16' MBF)	\$2,161.50

Total Logging Costs per 16' MBF

**\$ 273.05**

**Utilization Centers**

Center #1 : Riddle, OR	54 Miles
Center #2	0 Miles
Weighted distance to Utilization Centers	54

**Length of Contract**

Cutting and Removal Time	12 Months
Personal Property Removal Time	1 Months

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

Roseburg  
Cable Crossing Salvage  
ORR04-TS-2016.0010

**Stumpage Summary**

**Stumpage Computation (16' MBF)**

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	3,859	2,527	\$ 505.59	\$ 65.73	\$ 273.05			\$ 166.80	\$ 421,503.60
WH	1,391	154	\$ 346.28	\$ 45.02	\$ 273.05			<b>\$ 34.60</b>	\$ 5,328.40
SP	189	116	\$ 336.06	\$ 43.69	\$ 273.05			<b>\$ 33.60</b>	\$ 3,897.60
WRC	197	67	\$ 533.59	\$ 69.37	\$ 273.05			\$ 191.20	\$ 12,810.40
IC	163	18	\$ 416.65	\$ 54.16	\$ 273.05			\$ 89.40	\$ 1,609.20
<b>Totals</b>	<b>5,799</b>	<b>2,882</b>							<b>\$ 445,149.20</b>

**Log Code by Percent**

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir		3.0	8.0	62.0	26.0	1.0
Western Hemlock				33.0	59.0	8.0
Sugar Pine				76.0	24.0	
Western red-cedar						100.0
Incense-cedar						100.0

**Marginal Log Volume**

Species	Grade #7	Grade #8
Douglas-fir		
Western Hemlock		
Sugar Pine		
Western red-cedar		
Incense-cedar		

<b>Appraised By :</b> Coppersmith, Jason	<b>Date :</b> 02/17/2016
<b>Area Approval By :</b> Kress, Christopher	<b>Date :</b> 02/17/2016
<b>District Approval By :</b> Snider, Douglas	<b>Date :</b> 02/18/2016

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

Roseburg  
Cable Crossing Salvage  
ORR04-TS-2016.0010

**Stump to Truck Costs**

**Total (16' MBF)**

<b>Total Stump to Truck Costs</b>	<b>Net Volume</b>	<b>Cost / Net Volume</b>
\$ 531,356.58	2,882	\$ 184.37

**Detail**

**Yarding & Loading**

<b>Yarding System</b>	<b>Unit Of Measure</b>	<b>Units</b>	<b>Cost / Unit</b>	<b>Total Cost</b>
Med Twr=40-70	Gross Merch	2,362	\$ 84.93	\$ 200,604.66
Helicopter	Gross Merch	925	\$ 337.06	\$ 311,780.50
Shovel	Gross Merch	37	\$ 68.66	\$ 2,540.42
<b>Subtotal</b>				<b>\$ 514,925.58</b>

**Other Costs**

<b>Explanation</b>	<b>Unit Of Measure</b>	<b>Units</b>	<b>Cost / Unit</b>	<b>Total Cost</b>
Additional Cats	Hours	225	\$ 65.00	\$ 14,625.00
Lift Trees	Tree	5	\$ 150.00	\$ 750.00
<b>Subtotal</b>				<b>\$ 15,375.00</b>

**Additional Move-Ins**

<b>Equipment</b>	<b># Move-In</b>	<b>Cost / Move In</b>	<b>Total Cost</b>
Yarder / Loader	1	\$ 1,056.00	\$ 1,056.00
<b>Subtotal</b>			<b>\$ 1,056.00</b>

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

Roseburg  
Cable Crossing Salvage  
ORR04-TS-2016.0010

**Other Allowances Costs**

**Total (16' MBF)**

<b>Total Other Allowances Costs</b>	<b>Net Volume</b>	<b>Cost / Net Volume *</b>	<b>Total Buy Out Cost</b>
\$3,135.00	2,882	\$1.09	\$307.75

Equipment Cleaning

**Detail (16' MBF)**

<b>Cost Item</b>	<b>Total Cost</b>	<b>Cost / Net Vol *</b>	<b>Buy Out</b>	<b>Buy Out Cost</b>
Shovel	\$ 660.00	\$ 0.23	N	\$ 0.00
Other Equipment	\$ 165.00	\$ 0.06	N	\$ 0.00
Track Skidder	\$ 495.00	\$ 0.17	N	\$ 0.00
Yarder	\$ 165.00	\$ 0.06	N	\$ 0.00
<b>Subtotal</b>	<b>\$ 1,485.00</b>	<b>\$ 0.52</b>		<b>\$ 0.00</b>

Misc

**Detail (16' MBF)**

<b>Cost Item</b>	<b>Total Cost</b>	<b>Cost / Net Vol *</b>	<b>Buy Out</b>	<b>Buy Out Cost</b>
Cable Landings (Pile and Cover)	\$ 875.00	\$ 0.30	N	\$ 0.00
Helicopter Landings (Pile and Cover)	\$ 525.00	\$ 0.18	N	\$ 0.00
Burning of Piles	\$ 250.00	\$ 0.09	Y	\$ 307.75
<b>Subtotal</b>	<b>\$ 1,650.00</b>	<b>\$ 0.57</b>		<b>\$ 307.75</b>

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

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

Roseburg  
Cable Crossing Salvage  
ORR04-TS-2016.0010

**General**

**Yarding & Loading**

- Cable yarder was appraised at \$2.25/gal, 5000 bf/load, and 8 loads a day.
- Shovel is for yarding roadside hazard trees. It was appraised with \$2.25/gal, 5000 bf/load, and 6 loads a day.
- Additional Cat is for use as a guyline anchor when the yarder is on the 26-3-24.0 rd. There is no good anchors available on the ground.
- Additional move is for moving the cable side from the Swiftwater side of the sale to the Thunder Mt. side of the sale.

**Road Costs**

Road Fees:

Payable to TGM: \$3,461.43

Payable to SJTL: \$1,774.58

Rockwear and Maintenance:

Payable to BLM: \$11,483.78

Payable to LRT: \$223.60

Payable to SJTL: \$13,357.51

Payable to TGM: \$1,683.42

Purchaser Maintenance: \$8,888.60

(see Engineering Appraisal for details).

**Transportation**

WTD Mid-Point to Little River Rd./Hwy 138 = 13.5 Miles/70.4 RTT  
to I-5 = 17 Miles/41 RTT  
to Exit 103 = 20 Miles/44 RTT  
to Utilization Center 3 Miles/9 RTT  
One Hour Delay  
Total 54 Miles/224.4 RTT

(see Transportation appendix for details).

**Other Allowances**

**Prospectus**

Sample error 21.07% Received a waiver to continue appraisal from State Cruiser because of short timeline to finish cruise and appraisal.

This Sale is a Scale for Payment Sale.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Version: 5.2.0.19  
Updated: 6/30/2014

**Summary of All Roads and Projects**

T.S. Contract Name: CABLE CROSSING SALVA Tract No: 2016.0010 Sale Date: 3/22/16  
Prepared by: TKING Ph: 3227 Print Date: 2/17/2016 10:22:06 AM  
Construction: 7.65 sta  
Improve: 0.00 sta Renov: 46.70 sta Decom: 0.00 sta Temp: 0.00 sta

200 Clearing and Grubbing: 0.7 acres .....	\$1,742.19
300 Excavation: .....	\$1,138.82
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: .....	\$1,283.16
Blading 0.88 mi	
700-1200 Surfacing: .....	\$7,387.94
Commercial Quarry Name: BLM STOCKPILE 3" 96 LCY	
Commercial Quarry Name: BLM STOCKPILE 6" 838 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: 1.7 acres .....	\$1,960.44
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$0.00 Surf. \$0.00.....	\$0.00
Quarry Development: .....	\$0.00

Total: 2,882 mbf @ \$4.689/mbf = \$13,512.55

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: CABLE CROSSING SALVA  
Sale Date: 3/22/16  
Tract No: 2016.0010

**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	Soil Stabil	Rdside Brush	Miscel- laneous	Mobil- ization	Quarry Develop	Sub- Total
26-2-30.1	R	0.25				\$365 0.25mi			\$577 0.5ac				\$941
26-2-30.2	R	0.63				\$919 0.63mi			\$1,384 1.2ac				\$2,302
SPUR 1	C	0.14	\$1,742 0.7acres	\$1,139			\$7,388 934LCY						\$10,269

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**TIMBER SALE ROAD SPECIFICATIONS**

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**TABLE OF CONTENTS**

SECTION	DESCRIPTION
100	General
200	Clearing and Grubbing
300	Excavation and Embankment
500	Renovation and Improvement of Existing Roads
600	Watering
1000	Aggregate Base Course - Crushed Rock
1700	Erosion Control
2100	Roadside Brushing

---

## TIMBER SALE ROAD SPECIFICATIONS

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### GENERAL - 100

101 - Prework Conference(s):

A prework conference will be held prior to the start of new construction, improvement, renovation, and 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.

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.

---

## TIMBER SALE ROAD SPECIFICATIONS

---

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

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

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

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

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

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

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

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

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

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

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

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

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## TIMBER SALE ROAD SPECIFICATIONS

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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.

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.

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## TIMBER SALE ROAD SPECIFICATIONS

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

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

Spalls - Flakes or chips of stone.

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

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

Structures - Bridges, culverts, catch basins, retaining walls, 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.

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.

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## TIMBER SALE ROAD SPECIFICATIONS

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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.

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

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## TIMBER SALE ROAD SPECIFICATIONS

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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-inch drop height.

AASHTO T 191

Sand Cone. Density of soil in place: For subgrade use 6-inch or 12-inch cone, for rock surfacing 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.

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## TIMBER SALE ROAD SPECIFICATIONS

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### 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:
- 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 steps from 1200 to 1800 vibrations per minute (VPM), and the centrifugal force developed shall be at least 40,000 pounds at 1800 RPM. The vibratory grid roller shall be self-propelled and have a power unit of not less than 112 horsepower. The "grid" design shall be a herringbone or z-bar pattern around the circumference of the drum. The grid bars shall be 1 inch in height and spaced not more than 8-1/2 inches apart.
- 103i - Other. Compaction equipment approved by the Authorized Officer.

## **CLEARING AND GRUBBING - 200**

- 201 - This work shall consist of clearing, grubbing, removing and disposing of vegetation, debris, surface objects, and protruding obstructions within the clearing limits in accordance with these specifications and conforming to the lines, grades, dimensions and typical cross sections shown on the plans and as staked on the ground.

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**TIMBER SALE ROAD SPECIFICATIONS**

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- 202 - Where clearing limits have not been staked, established by these specifications or shown on the plans, the limits shall extend 10 feet back of the top of the cut slope and 5 feet out from the toe of the fill slope.
- 203 - Clearing shall consist of the removal and disposal of trees, logs, rotten material, brush, and other vegetative materials and surface objects in accordance with these specifications and within the limits established for clearing as specified under Subsection 202 as posted.
- 203a - Brush less than 2 feet in height need not be cut within the limits established for clearing.
- 203b - Standing trees and snags to be cleared shall be felled within the limits established for clearing unless otherwise authorized.
- 204 - Grubbing shall consist of the removal and disposal of stumps, roots, and other wood material embedded in the ground and protruding obstacles remaining as a result of the clearing operation in accordance with Subsections 204a and 204c between the top of the cut slope and the toe of the fill slope.
- 204a - Stumps, including those overhanging cut banks, shall be removed within the required excavation limits.
- 204c - On excavated areas, roots and embedded wood shall be removed to a depth not less than 6 inches below the subgrade.
- 205 - Clearing and grubbing debris shall not be placed or permitted to remain in or under road embankment sections.
- 210 - Disposal of clearing and grubbing debris shall be by scattering over government owned lands outside of established clearing limits in a manner acceptable to the Authorized Officer. The areas for such scattering shall have the prior approval of the Authorized Officer.
- 213 - No clearing or grubbing debris shall be left lodged against standing trees.

**EXCAVATION AND EMBANKMENT - 300**

- 301 - This work shall consist of excavating, overhaul, placement of embankments, backfilling, borrowing, leveling, ditching, grading, insloping, outsloping, crowning and scarification of the subgrade, compaction, and disposal of excess and unsuitable materials, and other earth-moving work in accordance with these

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**TIMBER SALE ROAD SPECIFICATIONS**

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

- 302 - Excavation shall also consist of the excavation of road and landing cut sections, borrow sites, backfilling, leveling, ditching, grading, compaction, and other earth moving work necessary for the construction of the roadway in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans and as marked on the ground with metal tags.
- 303 - Suitable material removed from the excavation shall be used in the formation of embankment subgrade, shoulders, slopes, bedding, backfill for structures, and for other purposes as shown on the plans.
- 305 - Embankment construction shall consist of the placement of excavated and borrowed materials, backfilling, leveling, grading, compaction, and other earth-moving work necessary for the construction of the roadway and landings in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 305a - Material used in the construction of embankment sections shall be free of stumps, cull logs, brush, muck, sod, roots, frozen material, and other deleterious materials and shall be placed and compacted as specified.
- 305b - Embankment materials shall be placed in successive parallel layers on areas cleared of stumps, cull logs, brush, sod, and other vegetative and deleterious materials, except as provided under Subsection 204. Roadway embankments of earth material shall be placed in horizontal layers not exceeding 12 inches in depth.
- 305c - Embankments formed of material containing less than 25 percent rock not larger than 8 inches in the greatest dimension shall be placed in 12-inch layers. Material containing more than 25 percent rock not larger than 12- inches in the greatest dimension shall be placed in successive layers not exceeding 2 feet in thickness. Individual rocks and boulders greater than 12-inches in diameter may be used to construct 2-foot embankment layers, provided they are carefully distributed, with interstices filled with fine material to form a dense and compact mass.

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**TIMBER SALE ROAD SPECIFICATIONS**

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- 306 - Layers of embankment, selected borrow, final subgrade and selected roadway excavation material as specified under Subsections 305a and 305b shall be moistened or dried to a uniform optimum moisture content suitable for maximum density and compacted to full width with compacting equipment conforming to requirements of Subsections 103f, 103g, 103h and 103i.
  
- 306a - Minimum compaction for each layer of embankment, selected borrow, and selected roadway excavation material placed at optimum moisture shall be a minimum of 4 passes over each full-width layer or until visual displacement ceases.
  
- 320 - Ditches shall conform to the slope, grade, dimensions, and shape of the required cross section shown on the plans. Roots, stumps, rocks, and other projections shall be removed to form smooth, even slopes.
  
- 321 - Excess excavated, unsuitable, or slide materials shall not be disposed of on areas where the material will encroach on a stream course or other body of water. Such materials shall be disposed of in accordance with Subsection 321c. Materials not disposed of in this manner shall be retrieved and disposed of at the Purchaser's expense and at the direction of the Authorized Officer.
  
- 321c - End-dumping will be permitted for the placement of excess materials under Subsection 321 in designated disposal areas or within areas approved by the Authorized Officer. Watering, rolling, and placement in layers are not required. Materials placed shall be sloped, shaped, and otherwise brought to a visible condition acceptable to the Authorized Officer.
  
- 324 - Excavated material shall not be allowed to cover boles of standing trees to a depth in excess of 2 feet on the uphill side.
  
- 327 - The finished grading shall be approved by the Authorized Officer in segments or for the total project. The Purchaser shall give the Authorized Officer 3 days' notice prior to start of surfacing operations.

**RENOVATION AND IMPROVEMENT OF EXISTING ROADS - 500**

- 501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, minor excavation and/or embankment, cleaning and shaping drainage ditches, trimming vegetation from cut and embankment slopes and installing, cleaning and repairing drainage structures of existing roads in accordance with

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### TIMBER SALE ROAD SPECIFICATIONS

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these specifications, as shown on the plans and as marked on the ground with metal tags.

- 502 - The existing road surface shall be bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 502a - Rocks larger than 4 inches in maximum dimension shall be removed from 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 Subsections 103f, 103h, and 103i.
- 504a - Minimum compaction required shall be 3 passes over each full-width layer or until visual displacement ceases.
- 506 - The inlet end of existing drainage structures shall be cleared of vegetative debris and boulders that are of sufficient size to obstruct normal stream flow. Pipe inverts shall be cleared of sediment and other debris lodged in the barrel of the pipe. The outflow area of pipe structures shall be cleared of rock and vegetative obstructions which will impede the structure's designed outflow configuration. Catch basins shall conform to the lines, grade, dimensions, and typical diagram shown on the plans.
- 509 - The finished grading shall be approved by the Authorized Officer 3 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.

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**TIMBER SALE ROAD SPECIFICATIONS**

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- 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.

**AGGREGATE BASE COURSE - 1000**  
**CRUSHED ROCK MATERIAL**

- 1001 - This work shall consist of 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.
- 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 3 days' notice 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 8 inches in depth. When more than one layer is required, each shall be shaped, processed, compacted, and approved by the Authorized

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**TIMBER SALE ROAD SPECIFICATIONS**

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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 uniform moisture content suitable for maximum compaction, and compacted to full width by compaction equipment conforming to the requirements of Subsection 103f and 103i. Minimum compaction shall be 3 passes over each full-width layer or until visual displacement ceases.
- 1015 - The Purchaser is authorized to remove Gradation 1004A and 1004I crushed rock material, from BLM stockpiles for placement on the Spur 1 in accordance with the requirements and details shown on the plans from Thunder Mountain Stockpiles.

**EROSION CONTROL - 1700**

- 1701 - This work shall consist of measures to control soil erosion or water pollution during the construction operation through the use of berms, dikes, dams, sediment basins, fiber mats, netting, gravel, mulches, grasses, slope drains, and other erosion control devices or methods in accordance with these specifications and conforming to the lines, grades, dimensions and typical cross sections shown on the plans.
- 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.

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**TIMBER SALE ROAD SPECIFICATIONS**

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**ROADSIDE BRUSHING - 2100**

- 2101 - This work shall consist of the removal of vegetation from the road prism - variable distance, and inside curves in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the Roadside Brushing Detail Sheet of this exhibit, at designated locations as shown in the plans.
  
- 2102 - Roadside brushing may be performed mechanically with self-powered, self-propelled equipment 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 4 inches above the ground and running surface. Limbs below the 4 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 16 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 16 feet in elevation above the running surface shall be cut, to within 1 inch of the trunk to produce a smooth vertical face.
  
- 2106 - Vegetative growth capable of growing 1 foot in height or higher shall be cut, within the road prism-variable distance or as directed by the Authorized Officer.

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**TIMBER SALE ROAD SPECIFICATIONS**

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- 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.

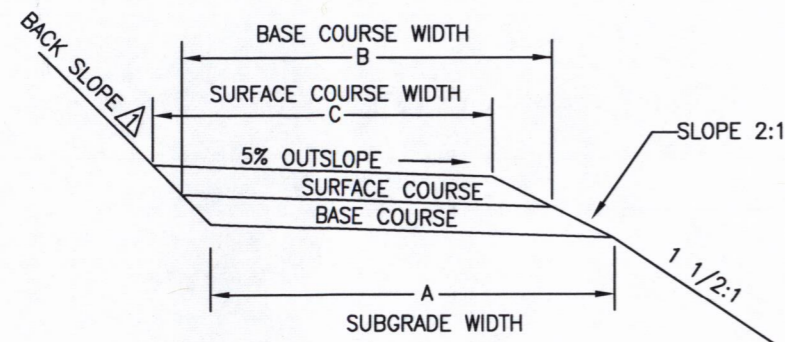
CONTRACT NAME: CABLE CROSSING SALVAGE  
CONTRACT NO: ORR04-TS-2016.0010

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	ROAD SUMMARY
2	TYPICAL SECTIONS
3	VICINITY MAP
4	RENOVATION NOTES
5	CONSTRUCTION PLAN – SPUR 1
6	BRUSHING DETAIL

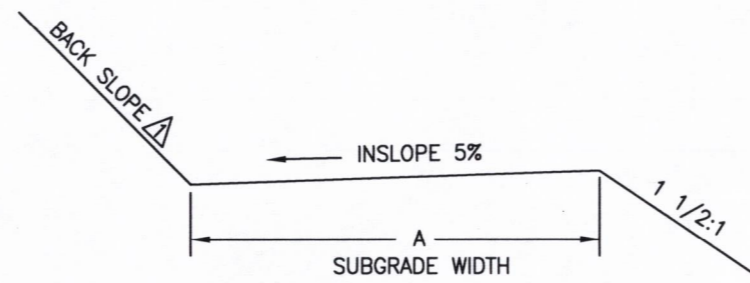
1. SEE SECTION 1015 OF SPECIFICATIONS AND VICINITY MAP FOR GOVERNMENT FURNISHED AGGREGATE SOURCE.

REV. NO.	DESCRIPTION	DATE	APPROVED
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DIVISION OF OPERATIONS OREGON STATE OFFICE			
CABLE CROSSING SALVAGE ROAD SUMMARY			
ROSEBURG DISTRICT			OREGON
ENGINEERING APPROVAL	<i>Harry Reynolds</i>		
SUBMITTED	FIELD MANAGER <i>Mike Ryan</i>		
RECOMMENDED	LOCAL SUPERVISOR <i>Emily Sanders</i>		
APPROVED	DISTRICT MANAGER <i>Mike Jossin</i>		
DRAWN: T. KING		SCALE: NONE	
DATE: 01/25/16		SHEET 1 OF 6	
		BLM #	

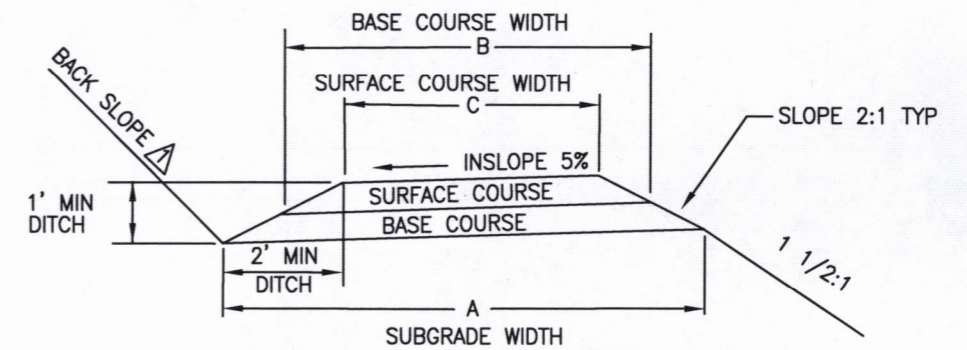




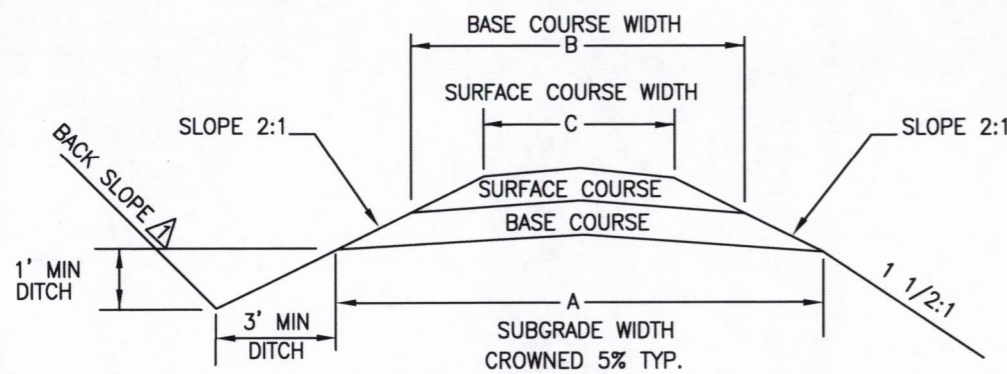
SECTION OUT SLOPE ROAD ①



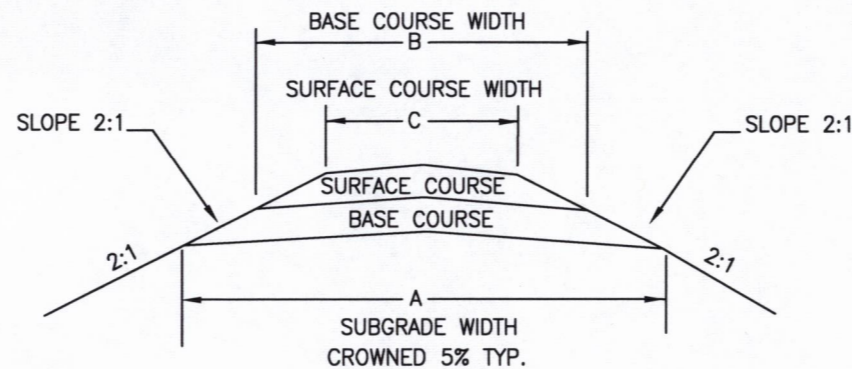
SECTION INSLOPE ROAD ②



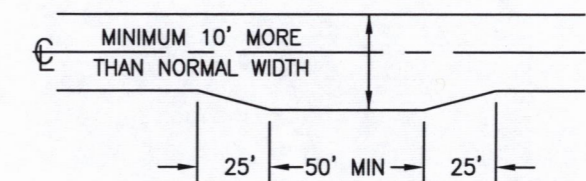
SECTION INSLOPE ROAD ③



SECTION ROAD ④



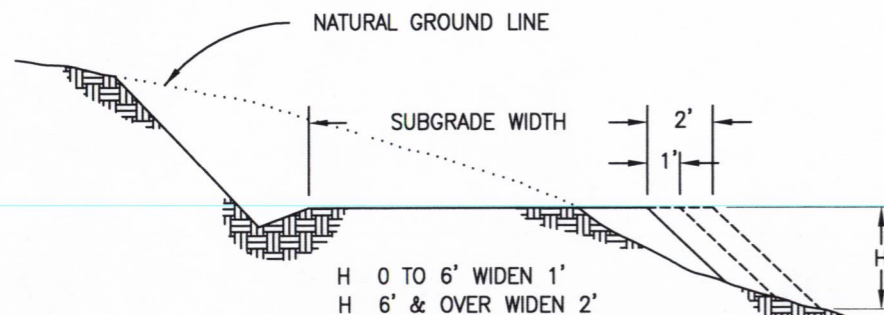
SECTION ROAD ⑤



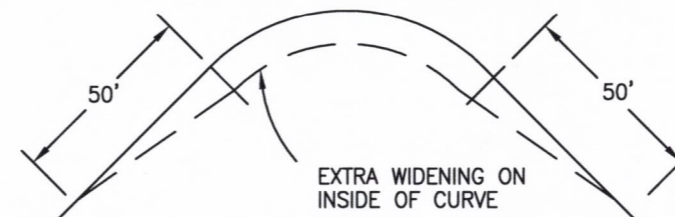
TYPICAL TURNOUT DIMENSIONS

NOTES:

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



SECTION FILL WIDENING

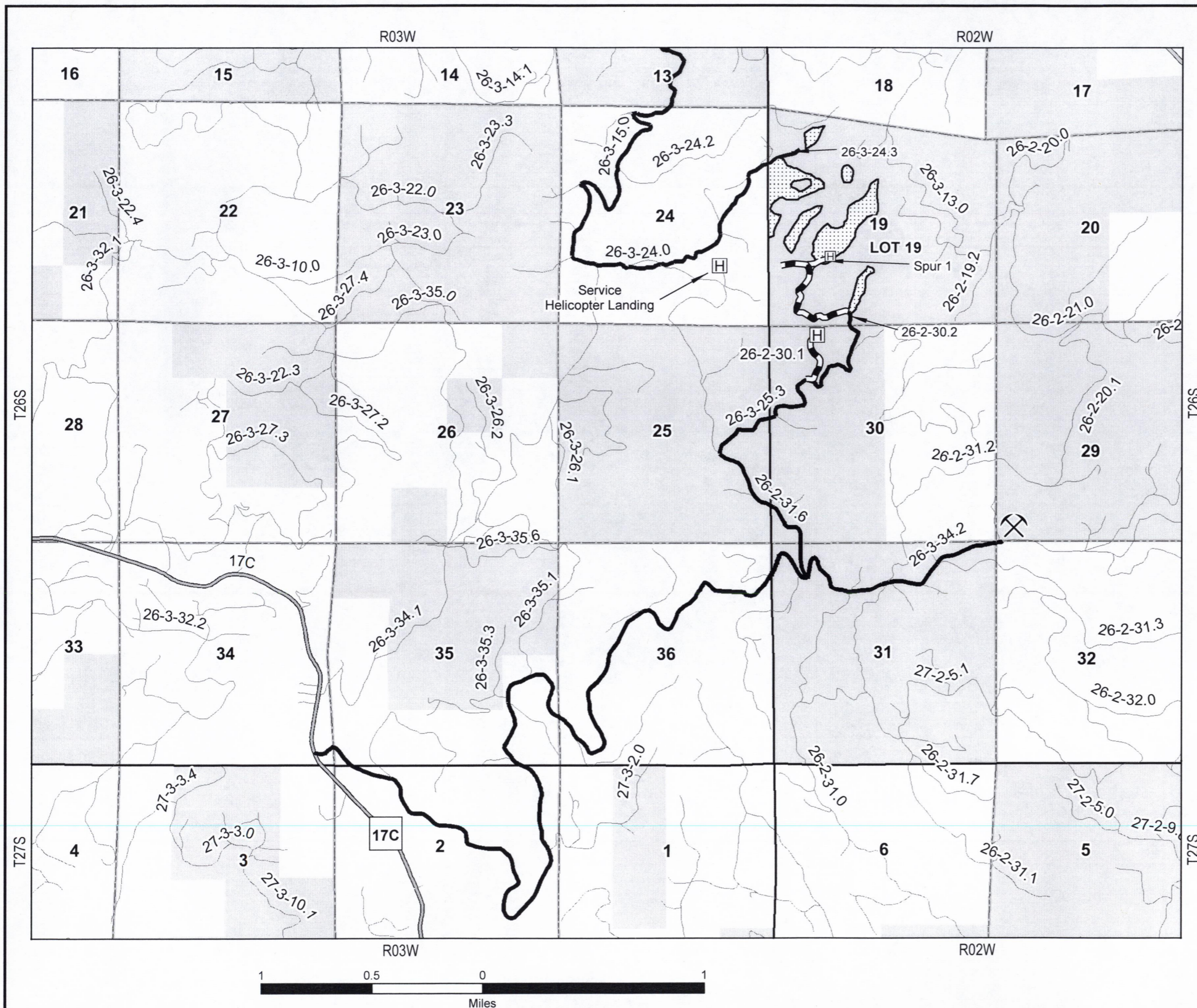


DEGREE OF CURVE	8-21	22-35	36-51	52-64	65-79	80-90
EXTRA WIDTH IN FEET	1	2	3	4	5	6

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



REV. NO.	DESCRIPTION	DATE	APPROVED
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DIVISION OF OPERATIONS OREGON STATE OFFICE			
CABLE CROSSING SALVAGE TYPICAL SECTIONS			
ROSEBURG DISTRICT		OREGON	
DESIGNED	<i>T. King</i>		
REVIEWED	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		
DRAWN: T. King		SCALE: NONE	
DATE: 04/18/14		SHEET 2 OF 6	
BLM #			



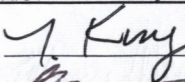
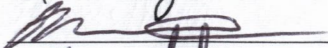
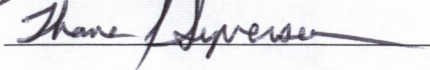
## Legend

- ==== Road Construction
- == Road Renovation
- Haul Route
- State Highway
- County Road
- Existing Road
- [H] Helicopter Landing
- [X] Thunder Mountain Stockpiles
- [Stippled Box] Harvest Area
- [Shaded Box] BLM Lands



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

Transverse Mercator  
NAD 1983 UTM Zone 10N

REV. NO.	DESCRIPTION	DATE	APPROVED
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DIVISION OF OPERATIONS OREGON STATE OFFICE			
CABLE CROSSING SALVAGE			
VICINITY MAP			
ROSEBURG DISTRICT		OREGON	
DESIGNED			
REVIEWED			
APPROVED			
DRAWN: J. Nelson		SCALE: AS SHOWN	
DATE: 01/19/16		SHEET: 3 of 6	
			BLM #

# 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. Place 20 cy of 1004A crushed rock at each culvert installation for surface replacement. 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 road.
4. Back slopes shall be cut to match existing unless otherwise specified.
5. All work shall be performed according to OSHA safety requirements.

### STA      DESCRIPTION

#### 26-2-30.1

0+00      BEGIN RENOVATION AT THE JUNCTION OF 26-2-30.1 AND 26-3-25.3  
            BEGIN BRUSHING, BLADING, PULL DITCH, CLEAN CULVERTS AND COMPACTION

13+40      END RENOVATION

#### 26-2-30.2

0+00      BEGIN STATIONING AT JUNCTION OF 26-2-30.2 AND 26-3-25.3

12+00      BEGIN RENOVATION, BEGIN BRUSHING, BLADING, PULL DITCH, CLEAN CULVERTS  
            AND COMPACTION

38+35      JUNCTION OF SPUR 1 RIGHT

39+60      JUNCTION SPUR 1 RIGHT

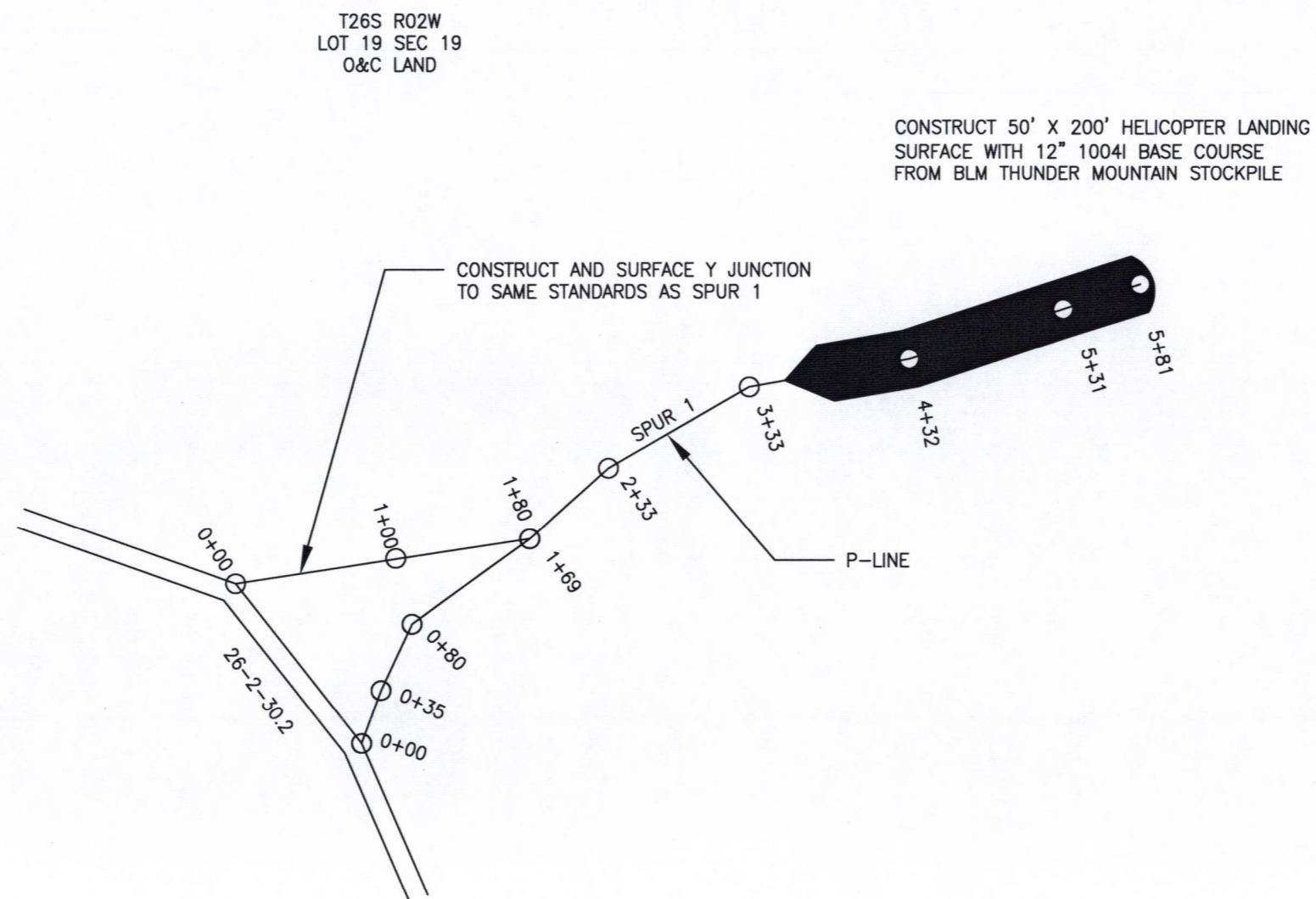
45+30      END RENOVATION

REV. NO.	DESCRIPTION	DATE	APPROVED
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DIVISION OF OPERATIONS      OREGON STATE OFFICE			
CABLE CROSSING SALVAGE RENOVATION NOTES			
ROSEBURG DISTRICT      OREGON			
DESIGNED	<i>T. King</i>		
REVIEWED	<i>[Signature]</i>		
APPROVED	<i>Thomas Peterson</i>		
DRAWN: T. KING		SCALE: NONE	
DATE: 01/25/16		SHEET 4 OF 6	
BLM #			



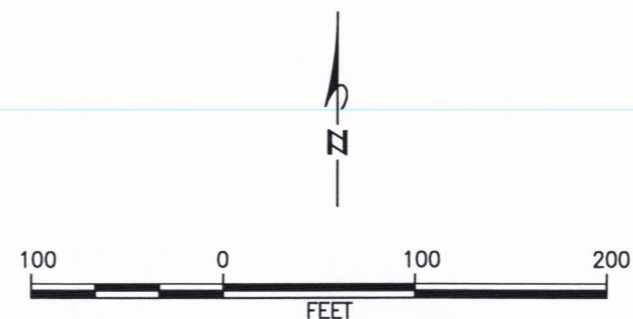
SPUR 1			
STA	DISTANCE FT	BEARING	% GRADE
0+00	35	N20E	-9
0+35	45	N25E	-9
0+80	89	N54E	-13
1+69	64	N48E	-10
2+33	100	N60E	-10
3+33	99	N80E	-13
4+32	99	N72E	-13
5+31	50	N72E	-13
5+81			

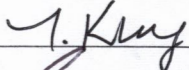

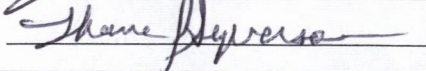
SPUR 1 Y JUNCTION			
STA	DISTANCE FT	BEARING	% GRADE
0+00	100	N85E	-10
1+00	80	N85E	-10
1+80			



# LEGEND


- CONSTRUCTION CENTER LINE
- == EXISTING ROAD
- > CULVERT TO BE INSTALLED
- ~ DITCH OUT TO BE INSTALLED

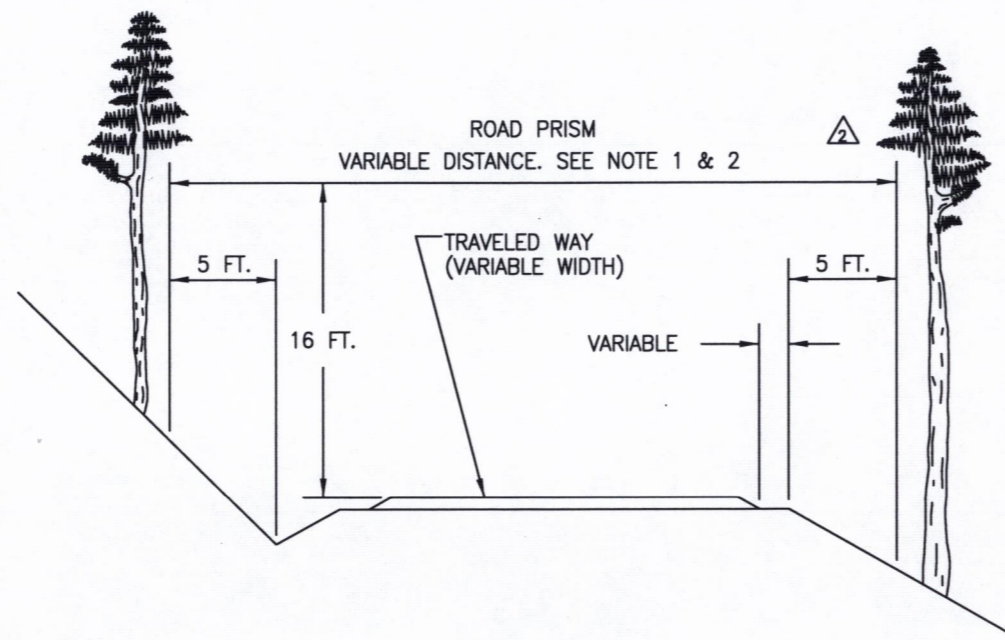


REV. NO.	DESCRIPTION	DATE	APPROVED
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DIVISION OF OPERATIONS OREGON STATE OFFICE			
CABLE CROSSING SALVAGE CONST. PLAN — SPUR 1 ROSEBURG DISTRICT OREGON			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN: T. KING		SCALE: 1"=100'	
DATE: 01/25/16		SHEET 5 OF 6	
		BLM #	

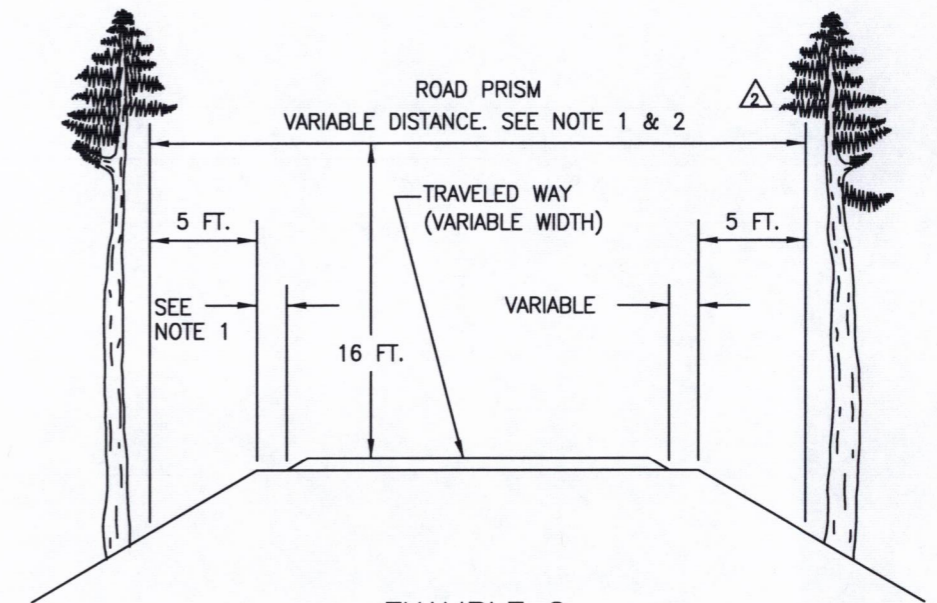


NOTE:

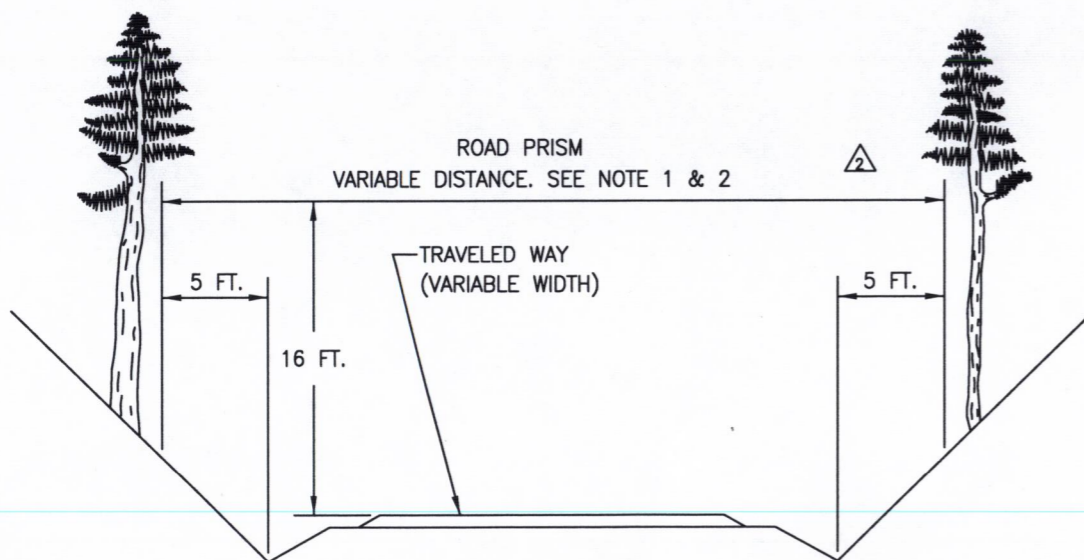
1. ALL AREAS WITHIN THE VARIABLE DISTANCE SHALL BE CLEARED OF VEGETATION.
2. ALL AREAS WITHIN THE VARIABLE DISTANCE SHALL BE FREE OF ALL OVERHANGING LIMBS AND BRANCHES WITHIN 16 FEET ELEVATION ABOVE RUNNING SURFACE. 



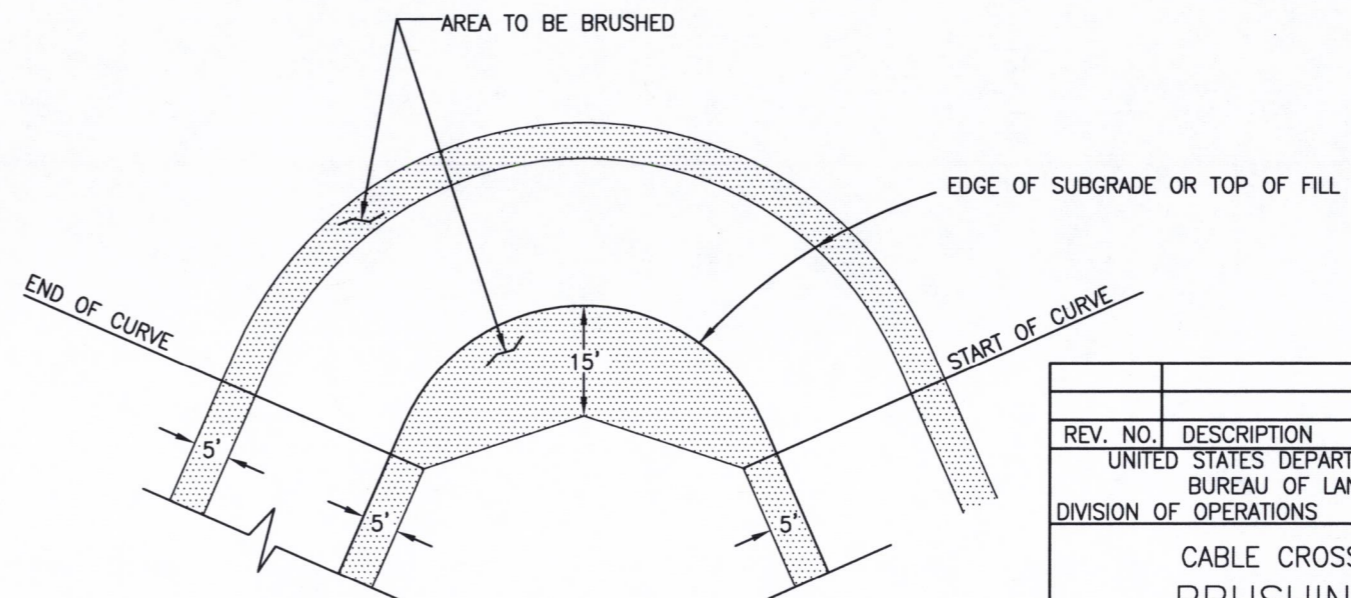
EXAMPLE 1



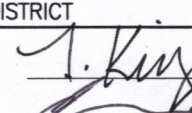
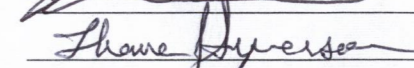
EXAMPLE 2



EXAMPLE 3



CURVE

REV. NO.	DESCRIPTION	DATE	APPROVED
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DIVISION OF OPERATIONS OREGON STATE OFFICE			
CABLE CROSSING SALVAGE BRUSHING DETAIL			
ROSEBURG DISTRICT		OREGON	
DESIGNED			
REVIEWED			
APPROVED			
DRAWN: BILL HOUGH	SCALE: NONE		
DATE: 2/21/01	SHEET 6 OF 6		
			BLM #

