

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Salem District Office  
1717 Fabry Road, S.E.  
Salem, Oregon 97306

Bent Beekman Timber Sale  
ORS04-TS-2016.0502  
Date: November 18, 2015

PROSPECTUS

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

NOTICE IS HEREBY GIVEN that the Bureau of Land Management will offer for sale timber as described herein for oral auction, pursuant to Instructions to Bidders, as stated on Form No. 5440-9, attached. Written and oral bids will be received by the District Manager, or her representative, in the timber sale room at the District Office, 1717 Fabry Road, S.E., Salem, Oregon. Written bids and deposits will be accepted beginning at 8:30 a.m. and the timber sale oral auction will commence at 9:00 a.m., on Wednesday, December 16, 2015.

THIS TIMBER SALE NOTICE does not constitute the decision document for purposes of protest and appeal of a forest management decision. Consistent with 43 CFR Subpart 5003-Administrative Remedies, the notice of a timber sale, when published as a legal ad in a newspaper of general circulation shall constitute the decision document for purposes of protest and appeal. Protests may be filed with the Contracting Officer within 15 days of the publication of the aforementioned decision document in the newspaper. It is anticipated that the decision document will be published in the Albany Democrat-Herald on or about November 18, 2015. BLM does not warrant publication on this exact date. All parties considering protest of the timber sale decision document are encouraged to review the aforementioned newspaper to ensure accurate knowledge of the exact publication date.

AN ENVIRONMENTAL ASSESSMENT was prepared for each timber sale tract, and a Finding of No Significant Impact has been documented. These documents are available for inspection as background for each timber sale tract at the Salem District Office.

A WRITTEN BID on Form 5440-9 at not less than the advertised appraised price on a unit basis per species and the required minimum bid deposit shall be required to participate in oral bidding.

THE SUCCESSFUL BIDDER, as a condition of award, will be required to sign Form 5430-11, a certification that the bid was arrived at by the bidder or offeror independently, and was tendered without collusion with any other bidder or offeror. Also, Form 5450-17, Export Determination must be completed by the successful bidder. To expedite procedure, this form should be completed and submitted with the written bid.

THE VOLUMES LISTED herein are estimates only. The sale volumes listed are 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 advertised appraised price. The Purchaser shall be liable for the total purchase price, without regard to the amount bid per unit, even though the quantity of timber actually cut or removed or designated for taking is more or less than the estimated volume or quantity so listed.

THIS TIMBER SALE has been cruised based upon Eastside Scribner board foot measure. The minimum bid figures shown by species are dollars per thousand board feet (MBF). The minimum bid increment will be \$0.10 per MBF.

A PERFORMANCE BOND in an amount not less than 20 percent of the total purchase price will be required for all contracts of \$2,500 or more. A minimum performance bond of not less than \$500 will be required for all installment contracts less than \$2,500.

QUALIFIED SMALL BUSINESS concerns may apply to SBA for a loan to provide financing for access road construction required under the terms of qualifying timber sale contracts, and necessary contract changes will be made. Approval of loan applications rests with SBA and may be contingent on availability of funds. Applicants for such loans shall notify BLM of their intention to apply for a loan.

PRE-AWARD QUALIFICATIONS. The high bidder may be required to furnish information to determine the ability to perform the obligations of the contract. If the high bidder is determined not qualified, responsible or refuses to respond within fifteen (15) days of a request for information pertaining to qualifications, the contract may be offered and awarded for the amount of the high bid to the highest of the bidders who is qualified, responsible, and willing to accept the contract.

LOG EXPORT AND SUBSTITUTION: 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 5420, as amended.

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

CONTRACT TERMINATION: A revised Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and /or to modify or terminate the contract when necessary to:

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

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

ADDITIONAL INFORMATION concerning this timber sale tract is available at the above District Office. A copy of the timber sale contract is also available for inspection at the District Office. The prospectus for this/these sale(s) is also available online at:  
<http://www.blm.gov/or/districts/salem/timbersales/index.php>. The prospectus includes maps and tables that cannot be made Section 508 compliant. For help with its data or information, please contact the Salem District Office at 503-375-5646.

Attachments:

Form 5450-17

Form 5430-11

Form 5440-9

## TIMBER SALE NOTICE

SALEM DISTRICT  
CASCADES RESOURCE AREA  
SALEM DISTRICT MASTER UNIT

SALE DATE: December 16, 2015

CONTRACT NO. ORS04-TS-2016.0502, BENT BEEKMAN TIMBER SALE  
LINN COUNTY, OREGON: O&C: ORAL AUCTION: LUMP SUM: BID DEPOSIT REQUIRED: \$138,100.00

All timber designated for cutting on: SW $\frac{1}{4}$ , Sec. 5; Lot 24, Sec.6; E $\frac{1}{2}$  NE $\frac{1}{4}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$ , Sec.7; W $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , Sec.8, T. 11 S, R. 2 E; W.M.

**THIS TIMBER SALE HAS BEEN CRUISED BASED UPON EASTSIDE SCRIBNER MEASURE.**

Minimum bid figures shown by species are dollars per thousand board feet (MBF). The minimum bid increment will be \$0.10 per MBF.

Approx. No. Merchantable Trees	Estimated Volume MBF 32' Log	Species	Estimated Volume MBF 16' Log	Appraised Price Per MBF	Estimated Volume Times Appraised Price
12,617	3,527	Douglas-fir	4,431	\$284.50	\$1,260,619.50
4,307	429	noble fir	522	\$166.90	\$87,121.80
1,593	159	western hemlock	194	\$167.10	\$32,417.40
18,517	4,115	Totals	5,147		\$1,380,158.70

CRUISE INFORMATION: The timber volumes were based on a variable plot cruise for estimating the board foot volume of trees. Plots were measured with a 35 basal area factor in Unit 1, and a 20 basal area factor in Units 2 and 3. The Right-of-Way volume is based on 100% cruise for estimating the board foot volume of trees. Approximately 0% of the total sale volume is salvage material. With respect to merchantable trees of all species; the average tree is 15.6 inches DBHOB; the average log contains 81 bd. ft.; the total gross volume is approximately 5,418 MBF; and 95% recovery is expected.

CUTTING AREA: Two units totaling approximately 82 acres are partial cut, 1 unit totaling approximately 62 acres is regeneration cut, and there is approximately 2 acres of right-of-way. Acres shown on Exhibit A have been calculated from a traverse using a Trimble Geo6000 XT Global Positioning System receiver including differential correction.

DURATION OF CONTRACT: Will be 36 months for cutting and removal of timber.

LOCATION: All directions originating from the town of Scio, Oregon.

Access to all Units as follows:

- Head east on OR-226 for 6.5 miles.
- Turn right, heading East on Camp Morrison Dr. for 4.7 miles.
- Turn right, heading south on paved road 10-1E-23 (Neal Creek Access Rd) for 6.1 miles.
- Continue on gravel portion of 10-1E-23 road for 1.9 miles to Units 1 and 2.
- Continue on the 10-1E-23 road for 0.9 miles to Unit 3.
- Turn left, heading east on 11-1E-1.1 road for 0.7 miles to the east side of Unit 3.

For overview of sale area please refer to the Timber Sale Contract Location Map.

## ACCESS AND ROAD MAINTENANCE:

In the use of Bureau of Land Management controlled roads which the Purchaser is authorized to use, the Purchaser shall pay the Government a road maintenance obligation of Thirty three-thousand one-hundred ninety and 14/100 dollars (\$33,190.14) to the Bureau of Land Management. Also, the Purchaser shall pay to the Government a road maintenance obligation for rockwear in the amount of Seven-thousand five-hundred thirty-six and 52/100 dollars (\$7,536.52). The Purchaser will be required to maintain certain Bureau of Land Management controlled roads as shown on Exhibit E map.

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

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

### 1. Road Construction:

Roads P2 = 11-2E-5.6 and P3 = 11-2E-8.7, 627 feet in length for P2 and 710 feet in length for P3, both 14-foot subgrade outsloped, Surfacing – natural except crushed rock at the entrance of both, Depth 4 inches, Usable width 12 feet.

### 2. Renovation:

Renovate 10-1E-23 (Neal Creek Road) start at junction 10-1E-25. From this junction for 2.78 miles road is paved, renovate by shaping and cleaning of ditch, clean culverts and brush road. The remaining 2.67 mile of Neal Creek is gravel, blading and rolling road surface is included as renovation of this road. Also a stockpile of aggregate will be placed and ground preparation work will be done before placement, reference Exhibit C map for location of stockpile. There is 1.67 miles of other roads to be renovated which could include some or all of these items: culvert replacement, brushing, blading, rolling, spot rocking, cleaning and shaping ditch.

### 3. Estimated Quantities:

- a. Clearing:  
0.6 acres of new construction
- b. Excavation:  
310 cubic yards of common
- c. Culvert and Flume:  
266 feet of 24 inch corrugated polyethylene pipe  
44 feet of 36 inch corrugated metal pipe, gage 14  
7 culvert markers

### 4. Aggregate Material:

<u>Quantity</u>	<u>Description</u>
30 loose cubic yards	¾" minus crushed rock, culvert bedding
310 loose cubic yards	3" minus crushed rock, culverts and spot rocking
220 loose cubic yards	3" minus crushed rock, to be placed in a stockpile

8 cubic yards

Riprap – Class 5 (max. size 8 inches)

Rock Source: Commercial Rock Source chosen by Purchaser

5. Miscellaneous Items:

- a. Right-of-way Debris Disposal:  
Debris shall be disposed of by piling material near entrance and scattering material downslope on remaining section of road.
- b. In-water work window: June 1 – October 15
- c. At the completion of hauling, both new constructed roads will be slashed over the first 2+00 stations, 18 – 24 inch deep using stumps, logs, rocks and logging debris. Also roads will be waterbarred, barricaded, seeded, fertilized and mulched.

SPECIAL ATTENTION ITEMS:

Sec.41.a.-d. Reserve Timber

Sec.42.e.-f. Yarding Specifications

Sec.42.j.1-5 Seasonal Restrictions

DESIGNATION AND SALE OF ADDITIONAL TIMBER (Sec. 42.c)

This contract contains provisions for the sale and removal of additional timber necessary to facilitate safe and efficient purchaser operations. These provisions include:

-The designation and sale of additional timber, such as corridor and guyline trees, at contract price, as necessary to facilitate safe and efficient logging. Such trees may be felled and removed when they are painted by the Authorized Officer;

-Sale of additional timber volume at current fair market value where the species and/or size of trees are not representative of the forest stand(s) being thinned;

-Government reservation of trees previously marked for cutting (replacement) when the Authorized Officer determines that it is necessary in order to maintain stand densities consistent with objectives set forth in management prescriptions;

-The use of unilateral modifications executed by BLM for such additional timber and replacement timber;

-Revocation of the purchaser's right to cut additional timber if the Authorized Officer determines that trees have been cut and removed that were not previously marked and approved for cutting and removal by the Authorized Officer; and,

-It is estimated that approximately (10% of Net Volume) 515 MBF of such additional timber may be removed under the contract, but is not included in the advertised sale volume nor was it included in the timber sale appraisal.

# Seasonal Restriction Matrix

Seasonal Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All activities in Units 2 and 3 due to NSO nesting period (42.j.1)												
Falling and Yarding in Unit 3 due to migratory birds (42.j.2)												
Mechanical felling skidding and site preparation operations (42.j.3)**												
In-Stream work period (42.j.4)												
Road construction, decommissioning, hauling on natural surface roads (42.j.5)**												

	Operations Restricted
	No Restrictions

## Restricted Times are Shaded

Shaded areas in the left side of individual cells indicate effective dates from the 1st to the 14th of each month. Shaded areas in the right side of individual cells indicate effective dates from the 15th to the end of each month.

\*\* Seasonal restrictions may be shortened or extended as determined by Authorized Officer.

## CONTRACT SPECIAL PROVISIONS

### Sec. 41.

#### RESERVED

- a. All timber within the Reserve Area and all painted orange trees which mark the boundaries of the Reserve Area and/or Rights-of-Way Roads to be Constructed shown on Exhibit A.
- b. All trees marked with orange paint in the Partial Cut Area and in the Regeneration Harvest Area shown on Exhibit A.
- c. All existing snags greater than fifteen (15) inches DBH and greater than fifteen (15) feet tall.
- d. All existing down logs greater than twenty (20) inches diameter on the large end and greater than twenty (20) feet long.

### Sec. 42. Special Provisions –

#### LOGGING

- a. Periodic Payment and First Installment Adjustment
  - 1. Notwithstanding the provisions of Sec. 3(b), the amount of the first installment may be reduced by the Government when the Contracting Officer requests the Purchaser to interrupt or delay operations for a period expected to last more than thirty (30) days during the operating season. Such interruption or delay must be beyond the Purchaser's control. Operating Season shall be defined, for this purpose, as the time of year in which operations of the type required are normally conducted and not specifically restricted under the contract. The first installment may be reduced to five (5) percent of the installment amount listed in Sec. 3(b), during the delay period. The Purchaser must request such a reduction in writing. When the Contracting Officer notifies the Purchaser that operations may proceed, the Purchaser shall have fifteen (15) days after such notification to return the first installment to the full value specified in Sec. 3(b). Failure to return the first installment to the full value within the allotted time will be considered a material breach of contract. No timber shall be cut or removed from the Contract Area until the first installment is restored to the full amount.
  - 2. Notwithstanding the provisions of Sec. 3(b), adjustments in the due dates for periodic payments may be made by the Government if the Contracting Officer interrupts or delays contract operations for a period expected to last at least thirty (30) days and the interruption or delay is beyond the Purchaser's control. Any adjustment made shall provide the Purchaser with an equal amount of operating time as would have been available without the delay. The Purchaser shall request such adjustment in writing before the due date for a periodic payment contained in Sec. 3(b).

b. Prior to the commencement of operations, the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A pre-work conference between the Purchaser's authorized representative and the Authorized Officer's representative must be held at a location designated by the Authorized Officer before the logging plan will be approved. The Purchaser shall provide a minimum of seven (7) days notice when requesting the scheduling of a pre-work conference. Before beginning operations on the Contract Area for the first time or after a shutdown of seven (7) or more days, the Purchaser shall notify the Authorized Officer in writing of the date the Purchaser plans to begin operations.

c. Before cutting and removing any trees necessary to facilitate logging in the Partial Cut Area as shown on Exhibit A, the Purchaser shall identify the location of skid trails, skyline corridors; tail-hold, tieback, guy-line, lift, intermediate support and danger trees; and the clearing limits of landings on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the logging plan required in Sec. 42.b. Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding the following conditions must be met:

1. All skid trails upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees. However, unless otherwise approved in writing by the Authorized Officer, the width of each skid trail and/or skyline corridor in the Partial Cut Area shall be limited to twelve (12) feet.

2. The Purchaser may immediately cut and remove additional timber to clear skid trails, skyline corridors and landings and cut danger trees when the trees have been marked with a paint color to be designated by the Authorized Officer above and below stump height by the Authorized Officer and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber to be sold will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this provision unless sufficient installment payments have been made in accordance with Sec. 3.(b) of the contract or sufficient bonding has been provided in accordance with Sec. 3.(d) of the contract.

3. The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Sec. 9 of the contract; or, the Authorized Officer determines that the trees otherwise reserved in Sec. 41 of the contract or any tree that exceeds thirty-five (35) inches diameter at breast height shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Sec. 8 of the contract.

4. This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked



and approved for cutting by the Authorized Officer, which under Sec. 10 of the contract constitutes a violation of the contract and under Sec. 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.

5. If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Sec. 8 or Sec. 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay or interrupt any or all contract work for the period of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.

d. In the Partial Cut Area shown on Exhibit A, all trees designated for cutting and removal shall be felled and cut into log lengths not to exceed forty (40) feet plus trim before being yarded unless otherwise approved in writing by the Authorized Officer.

e. In the Partial Cut Area – Ground-Based Yarding, shown on Exhibit A, skidding shall be done by a skidder equipped with a winch capable of winching logs seventy-five (75) feet unless otherwise approved by the Authorized Officer. The minimum distance between skid trails shall be one hundred fifty (150) feet unless otherwise approved by the Authorized Officer. Such skid trails shall be limited to twelve (12) feet for skidding of logs with minimum damage to reserve trees. All trees that must be removed to facilitate construction of these skid trails shall be felled and skidded prior to falling operations in the remainder of these areas unless otherwise approved by the Authorized Officer. The Purchaser shall directionally fall trees into lead with the winching or skidding direction and winch to these skid trails. The leading end of all logs shall be transported free of the ground during skidding. No skidding equipment shall be permitted to operate off these skid trails.

f. In the Regeneration Harvest Area – Skyline Yarding, shown on Exhibit A, uphill yarding shall be done with a skyline type cable system and carriage capable of lateral yarding up to seventy five (75) feet from a fixed position on the skyline unless otherwise approved by the Authorized Officer. The leading end of all logs shall be transported free of the ground during in-haul yarding. The rigging of tail or lift trees shall be required outside the Regeneration Harvest Area – Skyline Yarding, shown on Exhibit A, where necessary to meet this requirement. The minimum distance between skyline corridors shall be one hundred fifty (150) feet unless otherwise approved by the Authorized Officer. The Purchaser shall directionally fall trees into lead with the lateral yarding or yarding in-haul directions.

g. Excessive damage to the Reserve timber, as determined by the Authorized Officer, will result in suspension of operation until mitigation measures are in place to prevent further damage as directed by the Authorized Officer.

h. 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.

- i. No winching, skidding or yarding is permitted across Reserve Area or streams shown on Exhibit A unless approved by Authorized Officer.
- j. The following seasonal restrictions shall be observed:
  - 1. All activities in Units 2 and 3, as shown on Exhibit A, from March 1<sup>st</sup> to July 15<sup>th</sup> both days inclusive due to Northern Spotted Owl critical nesting period.
  - 2. No falling or yarding in Unit 3, as shown on Exhibit A, from April 15<sup>th</sup> to July 31<sup>st</sup> both days inclusive due to migratory birds, their nests, eggs and nestlings.
  - 3. No mechanized felling, skidding, or site preparation operations shall be conducted between November 1<sup>st</sup> of one calendar year and May 31<sup>st</sup> of the following calendar year both days inclusive, or during other periods of wet soil conditions as determined by the Authorized Officer.
  - 4. No in-Stream work shall be conducted on the contract area shown on Exhibit A between October 16<sup>th</sup> of one calendar year and May 31<sup>st</sup> of the following calendar year both days inclusive, or during other periods of high stream flow as determined by the Authorized Officer.
  - 5. No road construction, decommissioning, or hauling on natural surface roads, as shown on Exhibit A and C between October 1<sup>st</sup> of one calendar year and May 31<sup>st</sup> of the following calendar year both days inclusive or during other periods of wet soil conditions as determined by the Authorized Officer.

#### ROAD CONSTRUCTION, RENOVATION, MAINTENANCE AND USE

- k. The Purchaser shall construct and renovate roads in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.
- l. Any required construction or renovation of roads shall be completed and accepted prior to the removal of any timber, except right-of-way timber, over that road.
- m. The Purchaser shall not commence work until receipt of written notice to do so from the Authorized Officer.
- n. The Purchaser is authorized to use the roads listed below and shown on Exhibit E which are under the jurisdiction of the Bureau of Land Management, for the removal of Government timber sold under the terms of this contract and/or the hauling of rock as required in Exhibit C, provided that the Purchaser pay the required maintenance obligations described in Section 42.o. Any road listed below and requiring improvement or renovation in Exhibit C of this contract shall be maintained by the Purchaser until receiving written acceptance of the improvement or renovation from the Authorized Officer. The Purchaser shall pay current Bureau of Land Management maintenance fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
10-1E-23 A - F	6.31	BLM	BST
10-1E-23 G - J	2.67	BLM	Aggregate

o. Provided, that the Purchaser shall pay the Government a road maintenance obligation of Thirty-three thousand one hundred ninety and 14/100 dollars (\$33,190.14) for the transportation of any timber included in this contract price over said road.

The above maintenance amount is for the use of 8.98 miles of road or less. Unless the total maintenance amount is paid prior to commencement of operations on the contract area, payments shall be made in installments payable in the same manner as and together with payments required by Sec. 3 of this contract.

p. The Purchaser is authorized to use the roads listed below and shown on Exhibit E which are under the jurisdiction of the Bureau of Land Management, for the removal of Government timber sold under the terms of this contract and/or the hauling of rock as required in Exhibit C provided that the Purchaser comply with the conditions set forth in Section 42.r and pay the required rockwear obligation described in Section 42 q. The Purchaser shall pay current Bureau of Land Management rockwear fees for the sale of additional timber under modification of the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
P2 = 11-2E-5.6	0.12	BLM	Natural
P3 = 11-2E-8.7	0.13	BLM	Natural
11-1E-1.1 F part – G part	1.40	BLM	Aggregate
11-2E-5.2 part	0.22	BLM	Pit Run
11-2E-6.5 part	0.05	BLM	Aggregate

q. The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of Seven thousand five hundred thirty-six and 52/100 dollars (\$7,536.52) for the transportation of timber included in the contract price over road or roads listed in Section 42.p. The amount of the rockwear shown above shall be paid prior to removal of timber from the contract area; provided, however, that if the total of such amount exceeds five hundred dollars (\$500.00), the Purchaser may elect to make the payment in installments in the same manner as and together with payments required in Section 3 of this contract.

r. The Purchaser shall perform any road repair and maintenance work on roads used by him, under the terms of Exhibit D, "Purchaser Road Maintenance Specifications," of this contract which is attached hereto and made a part hereof.

s. The Purchaser shall be required to secure written approval to use vehicles or haul equipment over Government-owned or controlled bridge on 10-1E-23 (Neal Creek Road) when such vehicles or equipment exceed the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

Tracked-type equipment shall not be allowed to cross over concrete-bridge decks, other concrete surfaced structures, or asphalt surfaced roads without the proper protection of that surface. Prior approval shall be obtained from the Authorized Officer when crossing with protective devices.

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

Details shall include:

- A. Axle weights when fully loaded.
- B. Axle spacing.
- C. Transverse wheel spacing.
- D. Tire size.
- E. Outside width of vehicles.
- F. Operating speed.
- G. Frequency of use.
- H. Special features (e.g., running tracks, overhang loads, etc.).

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

### ENVIRONMENTAL PROTECTION

t. In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall clean all plant parts and soil from all earth disturbing equipment and logging equipment prior to entry onto lands managed by the BLM unless otherwise agreed by the Authorized Officer to reduce or prevent the spread of noxious weeds to the Contract Area shown on Exhibit A. Equipment shall be inspected by the Authorized Officer at a site approved by the Authorized Officer to verify that the equipment had been reasonably cleaned prior to entry onto lands managed by the BLM.

u. The Purchaser shall cover skid trails with logging slash and debris, install water bars or comparable erosion control measures, and block entrances or other created access points on the contract areas shown on Exhibit A as directed by the Authorized Officer. This work shall be completed within fifteen (15) days after completion of log hauling from each landing.

v. The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer when:

- (1) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is

made that consultation or reinitiating consultation will be required concerning the species prior to continuing operation, or;

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

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

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

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the First Installment held on deposit may be temporarily reduced upon the written request of the Purchaser. For the period of suspension extending beyond 30 days, the First Installment on deposit may be reduced to five percent of the First Installment amount listed in Section 3.b. of the

contract. Any First Installment amount temporarily reduced may be refunded or transferred to another BLM contract at the request of the Purchaser. However, if the Purchaser has outstanding debt owing the United States, the Contracting Officer must first apply the amount of First Installment that could be refunded to the debt owed in accordance with the Debt Collection Improvement Act, as amended (31 USC 3710, *et seq.*). Upon Purchaser's receipt of a bill for collection and written notice from the Contracting Officer lifting the suspension, the Purchaser shall restore the First Installment to the full amount shown in Section 3.b. of the contract within 15 days after the bill for collection is issued, subject to Section 3.h. of the contract. The Purchaser shall not resume contract operations until the First Installment amount is fully restored.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the unamortized Out-of-Pocket Expenses for road or other construction required pursuant to Exhibit C of the contract shall be refunded or transferred to another BLM contract at the request of the Purchaser. Upon written notice from the Contracting Officer lifting the suspension, the Purchaser shall reimburse the Government the amounts refunded or transferred. The Purchaser may choose to pay this reimbursement at once or in installments payable at the same time as payments are due for the timber under the contract and in amounts approximately equal to the expenses associated with the timber for which payment is due.

In the event that operating time is lost as a result of the incorporation of additional contract requirements, or delays due to Endangered Species Act consultation with 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 paragraphs, based on an alleged breach of any duty to the Purchaser, whether express or implied, in regard to the manner in which the Government defended the litigation

which resulted in the court order affecting the operation of the contract. This waiver also extends to any claims based on effects on the operation of the contract that arise from litigation against another agency. Furthermore, the Purchaser specifically acknowledges and agrees that a court ruling that the Government violated the Administrative Procedures Act cannot be interpreted, in itself, to mean that the Government had not acted reasonably in regard to its duties to the Purchaser under this contract.

### FIRE PROTECTION

w. Primarily for purposes of fire prevention and control, the Purchaser shall comply with the following provisions when operating at Oregon Department of Forestry Industrial Fire Precaution Level (IFPL) I (Closed Fire Season). At IFPL II and III, additional fire prevention and control provisions may be added as determined by the Authorized Officer and specified in written instructions to the Purchaser to mitigate dry fuel and weather conditions.

1. Prior to the operation of power-driven equipment in construction or logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the Authorized Officer.
2. Provide and maintain in good working order, and immediately available on the contract area, the following equipment for use during closed fire season or periods of fire danger:
  - (a) Fire fighting tools shall be kept at each landing or at such other place that the Authorized Officer shall designate whenever people are working on the contract area. All fire fighting tools shall be kept in a sturdily constructed box which shall be painted red and lettered on the front or top in large letters "For Fire Only." The box shall have a hinged lid and a hasp by which the lid can be sealed. One (1) box may serve two landings, not over six hundred (600) feet apart. When filled, the box shall not weigh over two hundred (200) pounds. The fire tools shall be in good condition, be tight on strong handles, and have sharp cutting edges. There shall be not less than four (4) tools in each box or less than one (1) tool for each man working on the contract area. Three-fourths (3/4) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.
  - (b) At each landing or such other place as the Authorized Officer shall designate during periods of operation, one (1) fire engine or tank truck of one thousand (1000) gallons or more capacity, or multiple engines equal to 1000 gallons capacity, with five hundred (500) feet of 1 ½ inch hose, one thousand (1000) feet of 1 inch hose, one (1) 1 ½ inch gated wye, one (1) 1 inch gated wye, two (2) 1 ½ to 1 inch reducers, and three (3) 1 inch nozzles. The fire engine, tank truck or smaller engines shall be equipped with a pump capable of delivering a minimum of forty (40) pounds per square inch (psi) engine pressure through fifty (50) feet of 1 ½ inch hose. The pump may be either a power take off (PTO), or a truck-mounted auxiliary engine. All equipment shall be acceptable to the Authorized Officer and shall conform to the standards set forth in Oregon Revised Statutes 477.645 through 477.670 and any rule promulgated pursuant to these statutes. All hose couplings shall have the standard thread adopted by the BLM (1 ½ inch National Hose Thread (NH), 1 inch National

Pipe Straight Hose Thread (NPSH) or be provided with suitable adapters. At the close of each working day, all bulldozers, tank trucks, and/or engines shall be filled with fuel and made ready for immediate use. All tank trucks, and /or engines and portable tanks shall be filled with water and made available for immediate use.

(c) Two (2) backpack pumps at each landing and one (1) at each tail block, or any other block, all to be kept full of water and in good operating condition.

(d) A chemical fire extinguisher of at least eight (8) ounces minimum capacity of a type approved by the Oregon State Forester and a size 0 or larger shovel shall be carried during the closed fire season or periods of fire danger by each falling crew and each buckner using a power saw on the contract area. Such fire extinguisher shall be filled and in effective operating condition and shall at all times be immediately available to the operator when the saw is being fueled or the motor of the saw is running. Any fueling of a power saw shall be done in an area which has first been cleared of all flammable material. Power saws shall be moved at least twenty (20) feet from the place of fueling before the engine is started. Each power saw shall be equipped with an exhaust system and a spark arresting device which are of types approved by the Oregon State Forester.

3. Where blocks and cables are used on the contract area during periods of fire danger, the Purchaser shall remove all flammable material at least ten (10) feet from the place where the tail or any other block shall hang when the cable is tight. Such clearings shall be inspected periodically by the Purchaser and shall be kept free of flammable material.

4. During Oregon Department of Forestry Closed Fire Season, no smoking shall be permitted outside of closed vehicles.

### LOGGING RESIDUE REDUCTION

x. The Purchaser shall perform logging residue reduction within the Fuel Reduction Areas as shown on Exhibit F, which is attached hereto and made a part hereof. All work shall be done as directed by the Authorized Officer in accordance with the specifications described on Exhibit G which is attached hereto and made a part hereof. This logging residue work will occur upon completion of logging operations on any individual unit where it is required within thirty (30) days after completion of skidding or yarding on each Fuel Reduction Area unless otherwise agreed by the Authorized Officer.

y. Notwithstanding the provisions of Section 15 of this contract, the Government shall assume all obligations for the disposal or reduction of the fire hazards caused by slash created by the Purchaser's operations on Government lands, except for logging residue reduction operations listed above, and burning and fire control assistance as required herein. Upon phone notification by the Authorized Officer of required performance prior to ignition, the Purchaser shall, under supervision of the Authorized Officer or his designated representative, assist in landing pile and machine pile burning, and fire control on the day (or days) of ignition by furnishing, at his own expense, the services of personnel and equipment as shown below:



- (1) One (1) work leader (Firefighter Type 1 (FFT1)) to supervise crew and to serve as Purchaser's representative.
- (2) A two (2) person crew (Firefighter Type 2 (FFT2)) for ignition of landing, machine, and hand piles.
- (3) Four (4) drip torches with thirty-three (33) gallons of slash fuel. (4:1 ratio of diesel to gasoline).
- (4) One (1) chain saw with fuel.
- (5) One (1) hand tool per above listed personnel on the day of ignition.

All listed personnel shall be physically fit, experienced and fully capable of functioning as required. In addition, all listed personnel shall be qualified according to the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System Guide, PMS-310-1 and provide documentation of these qualifications. On the day of ignition all listed personnel shall be fluent in speaking and understanding English, clothing shall consist of long pants and long sleeved shirts, and be of approved aramid fabric (Nomex™ or equivalent), as well as being free of diesel fuel oil. All personnel shall wear lug sole boots with minimum eight (8) inch tall uppers that provide ankle support, approved hardhats and leather gloves. Personnel who do not meet these requirements or do not have proper clothing and personal protective equipment (PPE) will not be allowed to participate.

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

In case of injury to personnel or damage to equipment furnished 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 cost 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 personnel and equipment to accomplish the planned burn, the Purchaser also shall be responsible for such additional costs.

### CONTRIBUTED FUNDS

z. The Purchaser shall assist the Government in the pile burning in accordance with Sec. 42.y. 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 one thousand six hundred forty-four and 96/100 dollars (\$1,644.96). Upon making such contribution, the Purchaser shall be relieved of the obligations set out in Sec.42.y. The Purchaser shall notify the Authorized Officer in writing of his intention to make this contribution prior to approval of this contract. If the Purchaser elects to make a contribution, the Authorized Officer shall establish an installment schedule of payments of the contribution.

### LOG EXPORT RESTRICTIONS

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

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

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

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

In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party buying, exchanging or receiving such timber to execute a "Certificate as to 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 purchaser or otherwise acquiring Federal timber sold under this contract, the Purchaser shall, upon request, obtain from the affiliate information in the form specified by the Authorized Officer and furnish the information to the Authorized Officer.

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

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

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

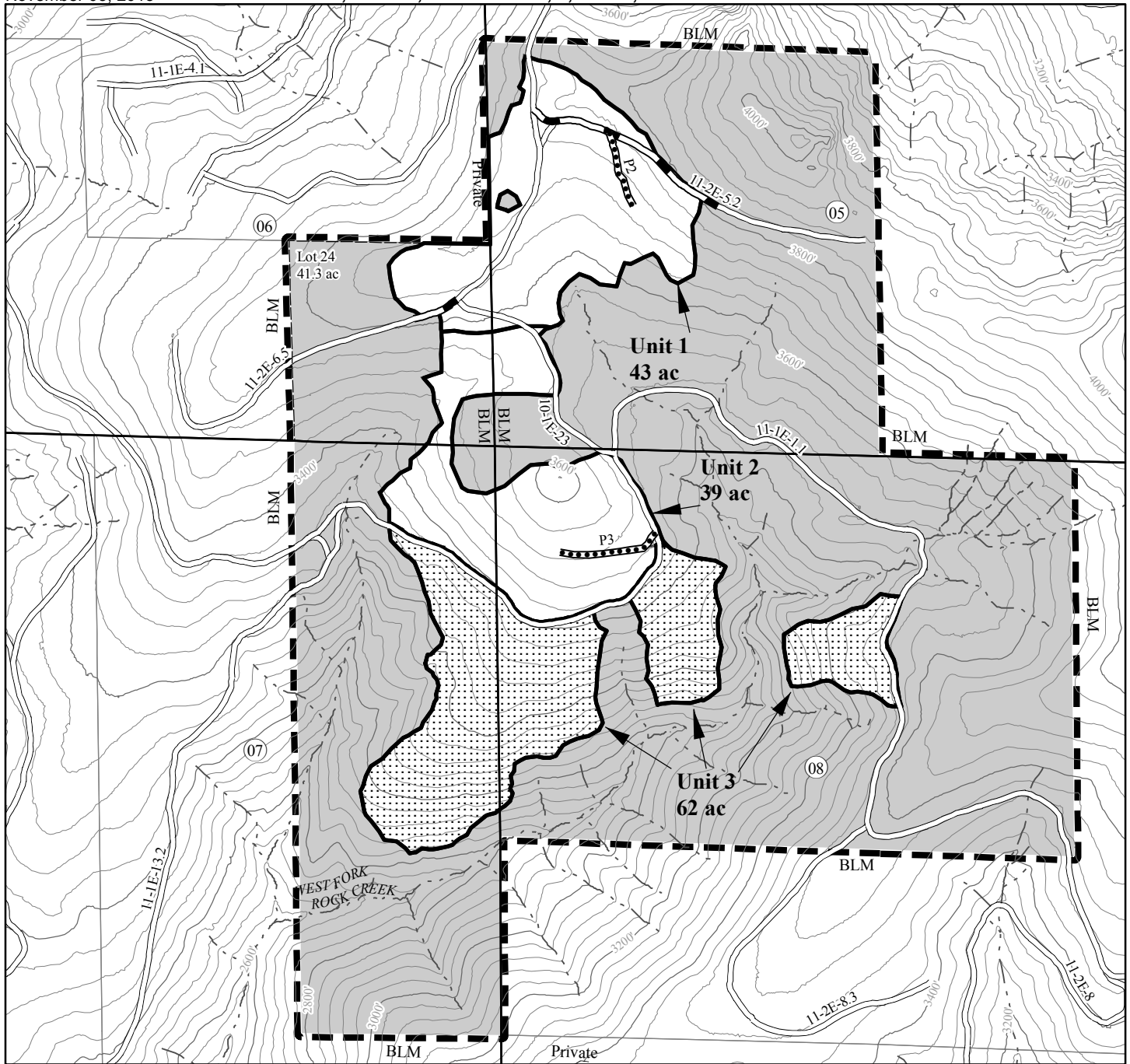
At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. Any increased cost for log branding and painting shall be the responsibility of the Purchaser.

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 Sec. 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.

United States Department of the Interior  
 BUREAU OF LAND MANAGEMENT  
 Salem District - Oregon  
**TIMBER SALE CONTRACT MAP - Contract No. ORS04-TS-2016.0502**  
 T.11S., R.2E., Sections 5,6,7 & 8, Willamette Meridian

Bent Beekman  
 Timber Sale  
 Exhibit A  
 Page 1 of 1

November 03, 2015



Partial Cut Area	82 Acres
Regeneration Harvest Area	62 Acres
Road Right-of-Way	2 Acres
Reserve Area	415.3 Acres
<b>Contract Area</b>	<b>561.3 Acres</b>

Contour Interval : 40'



Note: Unit Boundaries are painted orange and posted.

Note: Unit acres include existing roads, but not new ROW. Acres shown on Exhibit A have been computed using a Trimble Geo XT global positioning system receiver. Acreage was calculated based on global positioning system traverse procedures including differential correction.

--- Streams

~ Roads

~ Road to be Constructed

~ Road to be Renovated

Lot

Partial Cut Area - Ground-Based Yarding

Regeneration Harvest Area - Skyline Yarding

Reserve Area

Contract Area

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**EXHIBIT B / PRE-SALE**

5450-3

Contract No.

ORS04-TS-2016.0502

Bent Beekman

The following estimates and calculations of value of timber sold are made solely as an administrative aid for determining: (1) adjustments made or credits given in accordance with Secs. 6, 9, or 11; (2) when payments are due; and (3) value of timber subject to any special bonding provisions. The value of timber will be determined by multiplying the value per acre as shown below, times the amount of acreage as determined by the Authorized Officer, which has been cut or removed or designated for taking. Except as provided in Sec. 2, Purchaser shall be liable for total purchase price even though quantity of timber actually cut or removed or designated for taking is less than the estimated volume or quantity shown. Cutting areas are shown on **Exhibit A**.

SPECIES	ESTIMATED VOLUME OR QUANTITY (Units Specified)		PRICE PER UNIT	ESTIMATED VOLUME OR QUANTITY X UNIT PRICE
Noble Fir	522.0	MBF	\$166.90	\$87,121.80
Western Hemlock	194.0	MBF	\$167.10	\$32,417.40
Douglas Fir	4,431.0	MBF	\$284.50	\$1,260,619.50
<b>TOTALS</b>	<b>5,147.0</b>	<b>MBF</b>		<b>\$1,380,158.70</b>

The apportionment of the total purchase price is as follows:

Unit 1

Noble Fir	312.0 MBF	X	\$166.90	=	\$52,072.80
Western Hemlock	38.0 MBF	X	\$167.10	=	\$6,349.80
Douglas Fir	336.0 MBF	X	\$284.50	=	\$95,592.00
<b>Total</b>	<b>686.0 Mbf</b>				<b>\$154,014.60 ÷ 43.0 acres = \$3,581.73/Acre</b>

Unit 2

Noble Fir	178.0 MBF	X	\$166.90	=	\$29,708.20
Western Hemlock	46.0 MBF	X	\$167.10	=	\$7,686.60
Douglas Fir	1,075.0 MBF	X	\$284.50	=	\$305,837.50
<b>Total</b>	<b>1299.0 Mbf</b>				<b>\$343,232.30 ÷ 39.0 acres = \$8,800.83/Acre</b>

Unit 3

Noble Fir	28.0 MBF	X	\$166.90	=	\$4,673.20
Western Hemlock	109.0 MBF	X	\$167.10	=	\$18,213.90
Douglas Fir	2,963.0 MBF	X	\$284.50	=	\$842,973.50
<b>Total</b>	<b>3100.0 Mbf</b>				<b>\$865,860.60 ÷ 62.0 acres = \$13,965.49/Acre</b>

Unit R/W1

Noble Fir	4.0 MBF	X	\$166.90	=	\$667.60
Western Hemlock	1.0 MBF	X	\$167.10	=	\$167.10
Douglas Fir	6.0 MBF	X	\$284.50	=	\$1,707.00
<b>Total</b>	<b>11.0 Mbf</b>				<b>\$2,541.70 ÷ 1.0 acres = \$2,541.70/Acre</b>

Unit R/W2

Douglas Fir	51.0 MBF	X	\$284.50	=	\$14,509.50
<b>Total</b>	<b>51.0 Mbf</b>				<b>\$14,509.50 ÷ 1.0 acres = \$14,509.50/Acre</b>

## 150: ROAD PLAN AND DETAIL SHEET

Contract No. ORS04-TS-2016.0502

Sheet 8 of 33

## CULVERT LIST

NOTE:

1. DESIGNED CULVERT LENGTHS AND LOCATIONS ARE APPROXIMATE.

2. ALL CULVERTS HAVE 2 2/3" X 1/2" CORRUGATIONS UNLESS OTHERWISE NOTED.

3. SEE CULVERT INSTALLATION SHEET.

#### 4. DOWN SPOUT TYPES;

1. FULL ROUND
2. HALF ROUND
3. RECTANGULAR FLUME

### 5. ELBOW TYPES;

1. CONVENTIONAL OR FABRICATED
2. TURNER TYPE
3. SLIP JOINT.

**6. INCLUDE SPECIAL SECTIONS, STRUCTURES, HEADWALLS, FOOTINGS, AND OTHER DATA.**

GAGE CHART STEEL & ALUM.		
GAGE	DEC. EQUIV. INCHES	
	STEEL	ALUM.
10	.138	.135
12	.109	.105
14	.079	.075
16	.064	.060

**ALWAYS THINK SAFETY**

UNITED STATES DEPARTMENT OF THE INTERIOR  
Bureau of Land Management  
SALEM DISTRICT - OREGON

## CULVERT SUMMARY

<b>DRAWN</b> J. PERIRO Eugene D.O.	<b>SCALE</b> not to scale
<b>DATE</b> 1990	<b>SHEET</b> 1 OF 1

U.S. DEPT. OF THE INTERIOR  
Bureau of Land Management  
SALEM DISTRICT - OREGON

**Contract No.**  
**ORS040-TS-2016.0502**

**Sale**  
Bent Beekman

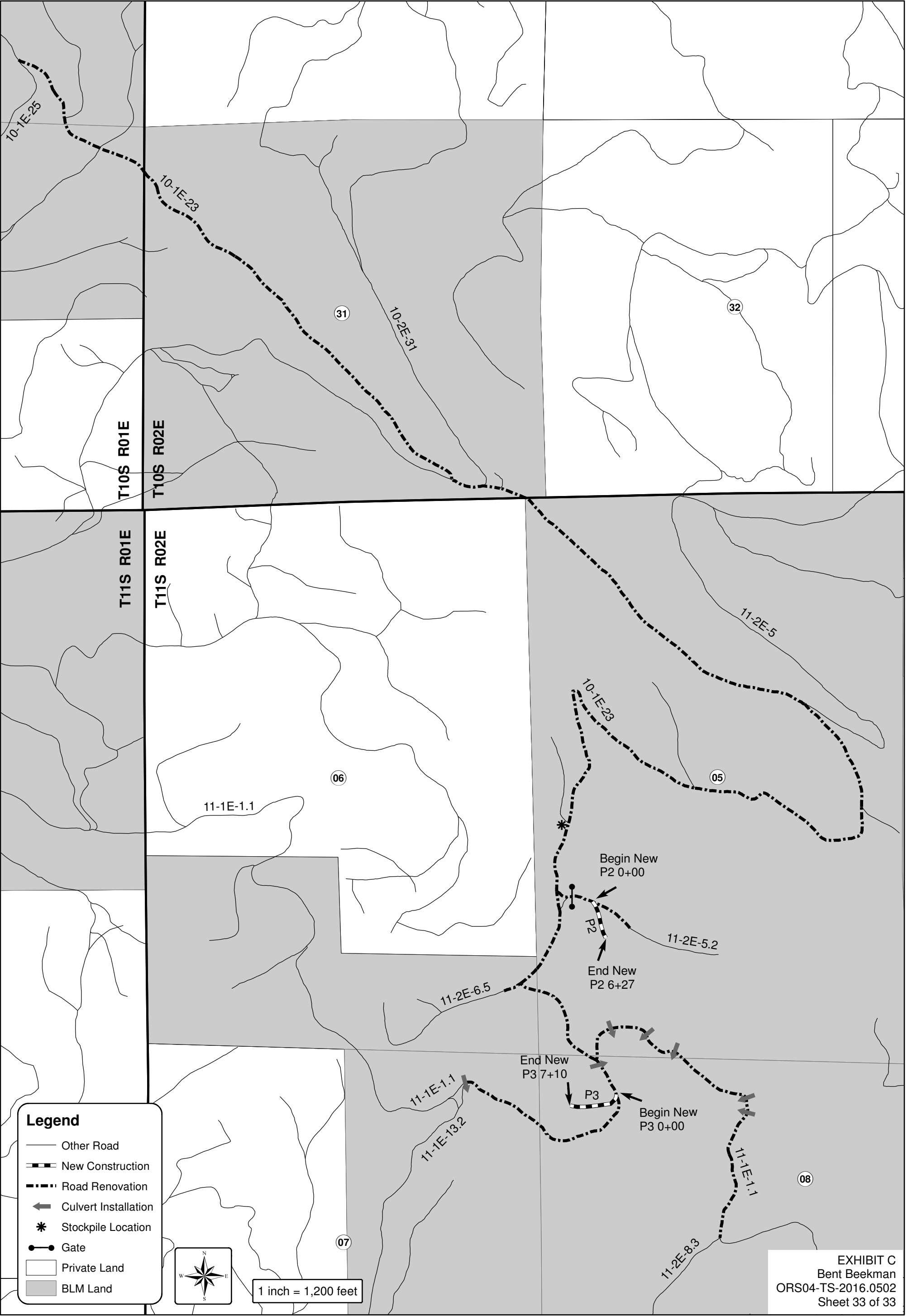
Sheet 16 of 33[illegible]

ROUND PIPE CULVERT				
MATL	SIZE	GAGE	CORRUG- ATIONS	LENGTH
CPP	24			266
CMP	36	14		44

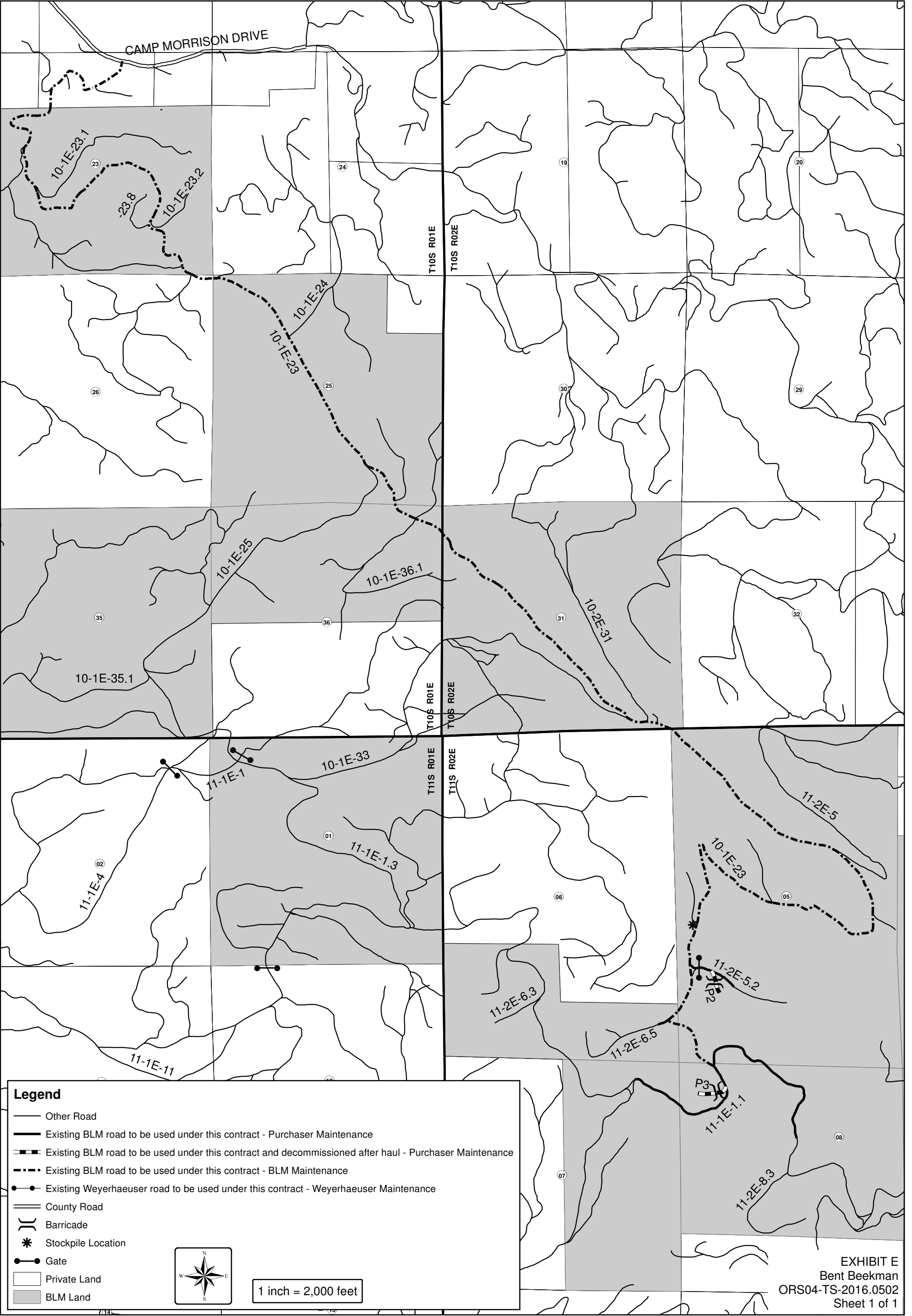
DOWN SPOUTS		
TYPE	SIZE	LENGTH

PIPE ARCH CULVERT				
MATL	SIZE	GAGE	CORRUGATIONS	LENGTH

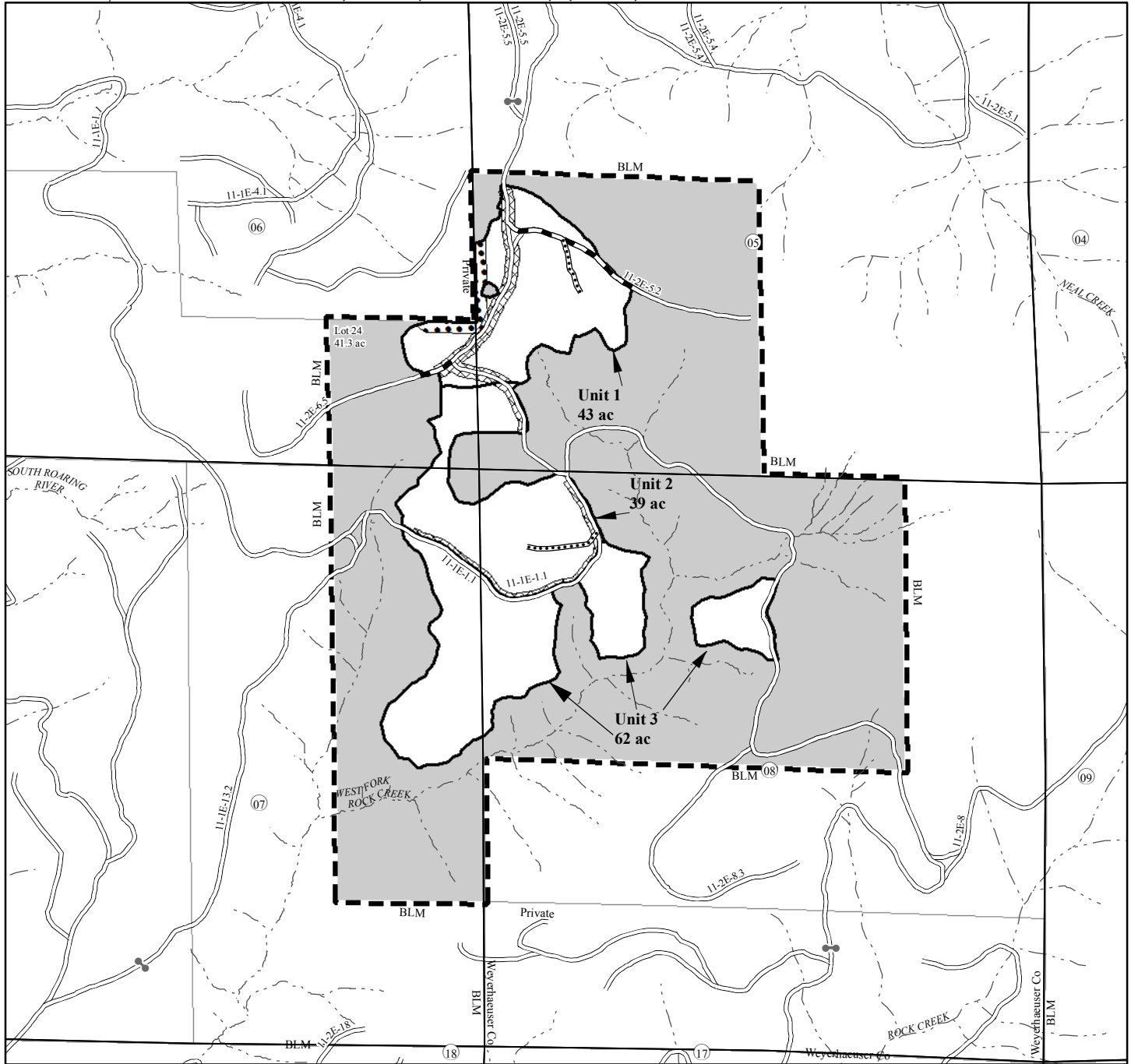
STRUCTURAL PLATE CULVERT				
MATL	SIZE	GAGE	CORRUG- ATIONS	LENGTH







November 03, 2015



**Fuel Reduction Area**



Machine Pile /  
100ft



Machine Pile / 35ft



Cutting Area  
Boundary



Gate

Streams

Roads



Road to be  
Constructed



Road to be  
Renovated



Reserve Area



Contract Area



Note: Unit Boundaries are painted orange and posted.

Note: Unit acres include existing roads, but not new ROW. Acres shown on Exhibit A have been computed using a Trimble Geo XT global positioning system receiver. Acreage was calculated based on global positioning system traverse procedures including differential correction.

## **LOGGING RESIDUE REDUCTION**

Immediately upon completion of harvest, activity generated logging slash at all landings, and in specified units as shown on Exhibit F will be treated as follows:

### **CONSTRUCTION AND COVERING OF LANDING PILES**

1. Within twenty-five (25) feet (horizontal distance) of the edge of each landing, all tops, broken pieces, limbs, and other activity generated woody debris greater than one (1) inch in diameter at the large end and longer than three (3) feet in length shall be piled and covered for burning within fifteen (15) days of the removal of logs from the landing area.
2. Landing piles shall be located as far as possible from green trees, snags, or unit boundaries to minimize damage.
3. Landing piles shall be kept free of dirt and other non-wood debris and constructed as compactly as possible. There shall be an adequate supply of finer fuels located within and under the covered area of the pile to ensure ignition of the larger fuels, and the completed piles shall be free of projecting limbs or slash which would interfere with the adequate covering of the piles. To the maximum extent possible, hardwood slash shall be mixed with conifer slash to create piles that are more burnable.
4. The landing piles shall be adequately covered with four (4) mil. (0.004) inch thick black polyethylene plastic to ensure ignition. The plastic shall be furnished by the Purchaser. The plastic shall be oriented southwest (SW) to northeast (NE) and over the top of the pile. Plastic shall be held in place with woody debris or tied with rope or twine. The plastic must be secured so that it is held in place during strong wind conditions. Covering shall be completed as directed by the Authorized Officer.
5. No landing debris shall be dozed off the landing and covered with dirt. Debris which has been buried and is determined to be the source of holdover fire shall be excavated by the Purchaser, at the Purchaser's expense, with a tractor and/or hydraulic excavator as directed by the Authorized Officer.
6. If landing debris is minimal and determined by the Authorized Officer to not be a major fire hazard, the debris shall be removed from the landing area and scattered on yarding corridors or skid trails to a depth not to exceed six (6) inches, as directed by the Authorized Officer.
7. If the construction of the landing piles will not permit adequate consumption of the piled debris, the Purchaser shall be required to re-pile the debris at the direction of the Authorized Officer.

## **MACHINE PILE CONSTRUCTION AND COVERING**

1. Activity generated woody debris shall be piled and covered for burning within thirty (30) days after completion of skidding or yarding on each Fuel Reduction Area, during periods of low soil moisture, or as determined by the Authorized Officer. Specified areas and approximate acres are listed below:

Unit No. 1:	Within 100 feet horizontal distance of the north property line in Section 6.	2 acres
	Within 100 feet of the west property line in Section 5.	4 acres
	Within 35 feet of both sides of Neal Creek Road (10-1E-23), and the 6.5 spur.	5 acres
Unit No. 2:	Within 35 feet of Roaring River Road (11-1E-1.1) in the ground based yarding area.	3 acres
	Within 35 feet of Neal Creek Road (10-1E-23) in the ground based yarding area.	0.5 acres

2. A track mounted hydraulic excavator shall be used to pile woody debris.
3. All equipment shall meet the approval of the Authorized Officer.
4. Prior to piling; the excavator shall be cleaned in accordance with section 42.t.
5. The excavator shall be equipped with a hydraulic thumb or a rotating controllable grapple head. The machine shall have a minimum reach of twenty-five (25) feet. The excavator shall not operate on slopes greater than thirty-five (35) percent.
6. In ground based harvest areas away from roads, the excavator shall be required to work on a slash mat in order to reduce compaction. No more than one pass over the same ground shall be permitted.
7. Machine piles shall be located as far as possible from green trees, snags, or unit boundaries to minimize damage.
8. Machine piles shall be kept free of dirt and other non-wood debris and constructed as compactly as possible. There should be an adequate supply of finer fuels located within and under the covered area of the pile to ensure ignition of the larger fuels, and the completed piles shall be free of projecting limbs or slash which would interfere with the adequate covering of the piles. To the maximum extent possible, hardwood slash shall be mixed with conifer slash to

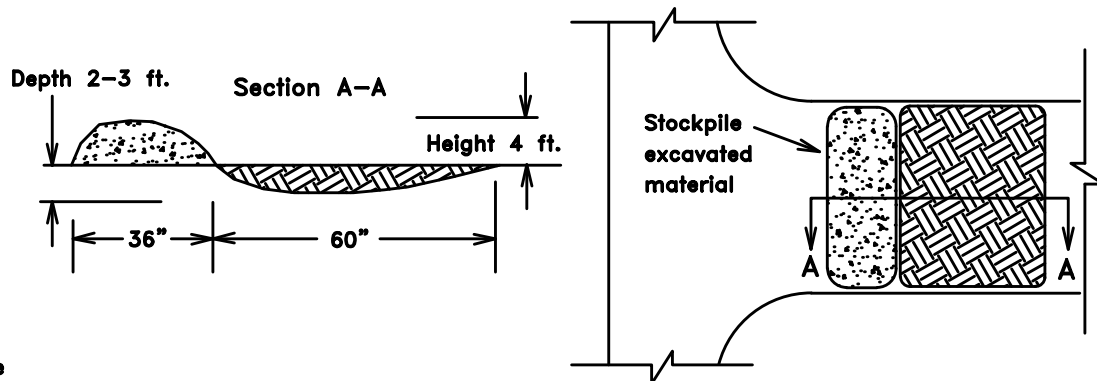
create piles that are more burnable. Logging debris greater than six (6) inches in diameter at the small end shall not be piled.

9. The machine piles shall be adequately covered with four (4) mil. (0.004) inch thick black polyethylene plastic to ensure ignition. The plastic shall be furnished by the Purchaser. The plastic shall be oriented southwest (SW) to northeast (NE) and over the top of the pile. Plastic shall be held in place with woody debris or tied with rope or twine. The plastic must be secured so that it is held in place during strong wind conditions. Covering shall be completed as directed by the Authorized Officer.

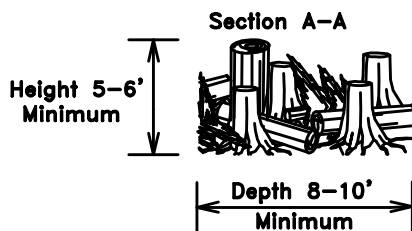
**U.S. DEPARTMENT OF THE INTERIOR  
Bureau of Land Management  
Salem District**

**EXHIBIT H  
Bent Beekman  
ORS04-TS-2016.0502  
Page 1 of 1**

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



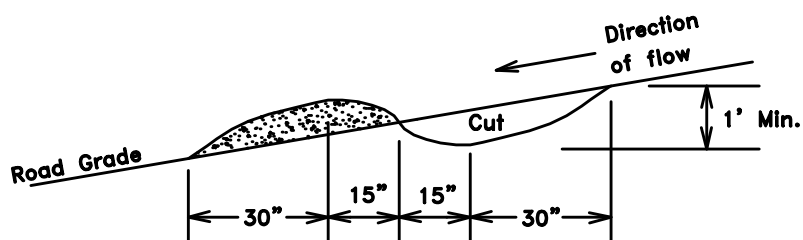
Typical Earth Barricade Details  
(Not to Scale)



Typical Debris Barricade Details  
(Not to Scale)

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

1. Waterbars shall be constructed as shown.
2. Exact locations will be flagged by the Authorized Officer prior to construction.
3. All waterbars shall be skewed 30 degrees.
4. Waterbars shall extend from the cut bank to the fill slope and NOT be passable by any type vehicle.

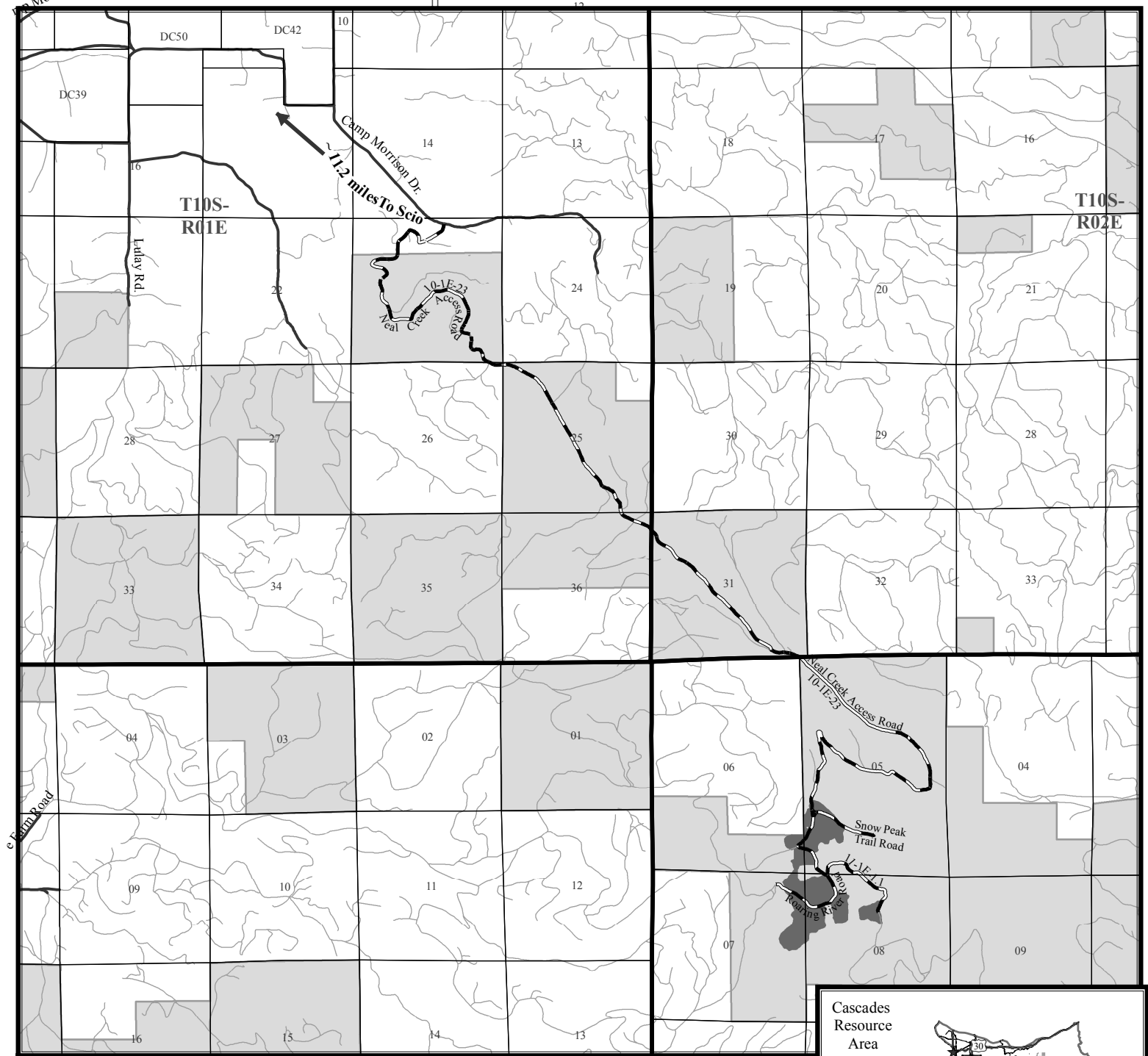


Typical Waterbar Details  
(Not to scale)

United States Department of the Interior  
BUREAU OF LAND MANAGEMENT  
**BENT BEEKMAN TIMBER SALE CONTRACT LOCATION MAP**  
Contract No. ORS04-TS-2016.0502

10/22/2015

T.11S, R.2E Sections 5, 6, 7 & 8 W. M. - SALEM DISTRICT - OREGON



2 1 0 Miles



**Roads**

County Road

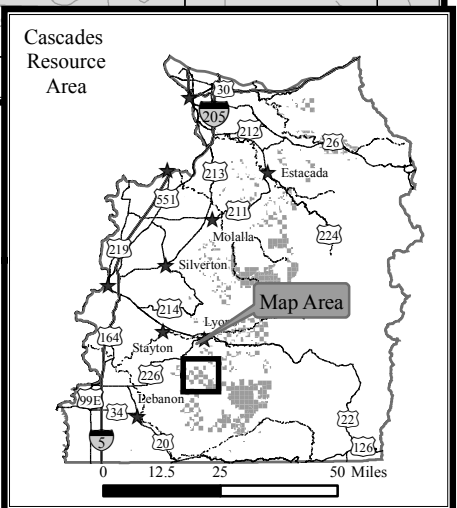
Other Roads

Haul Route

Cutting Area

Bureau of Land Management

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  
Timber - Sale - Summary**

Salem  
Bent Beekman  
ORS04-TS-2016.502

**Legal Description**

Forest Type	Township	Range	Section	Subdivision
O&C	11S	2E	5	SW1/4 W.M.
O&C	11S	2E	6	Lot24 W.M
O&C	11S	2E	7	E1/2NE1/4,NE1/4SE1/4 W.M.
O&C	11S	2E	8	W1/2NE1/4, NW1/4 W.M.

**Cutting Volume (16' MBF)**

Unit	DF	NF	WH						Total	Regen	Partial	ROW
1	336	312	38						686	0	43	0
RW1	6	4	1						11	0	0	1
2	1,075	178	46						1,299	0	39	0
RW2	51								51	0	0	1
3	2,963	28	109						3,100	0	62	0
Totals	4,431	522	194						5,147	0	144	2

**Logging Costs per 16' MBF**

Stump to Truck	\$ 133.52
Transportation	\$ 37.90
Road Construction	\$ 9.95
Road Amortization	\$ 0.00
Road Maintenance	\$ 9.53
Other Allowances :	

Equipment Washing	\$ 0.15
Misc	\$ 1.61
<b>Total Other Allowances :</b>	<b>\$ 1.76</b>

**Profit & Risk**

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

**Tract Features**

Avg Log	Douglas-fir : 91 bf	All : 81 bf
Recovery	Douglas-fir : 95 %	All : 95 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume ( 16' MBF per Acre)		35
Avg Yarding Slope		35 %
Avg Yarding Distance (feet)		500
Avg Age		78
Volume Cable		60 %
Volume Ground		40 %
Volume Aerial		0 %
Road Construction Stations		13.37
Road Improvement Stations		0.00
Road Renovation Stations		375.94
Road Decommission Stations		13.37

**Cruise**

Cruised By	Poteet
Date	03/19/2015
Type of Cruise	Variable plot, 100%
County, State	Linn, OR

**Net Volume**

Green (16' MBF)	5,147
Salvage (16' MBF)	0
Douglas-fir Peeler	0
Export Volume	0
Scaling Allowance (\$0.00 per 16' MBF)	\$0.00

Total Logging Costs per 16' MBF

**\$ 192.65**

**Utilization Centers**

Center #1 : Lyons OR.	19 Miles
Center #2	0 Miles
Weighted distance to Utilization Centers	19

**Length of Contract**

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Salem  
Bent Beekman  
ORS04-TS-2016.502

**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	12,617	4,431	\$ 536.10	\$ 58.97	\$ 192.65			\$ 284.50	\$ 1,260,619.50
NF	4,307	522	\$ 404.04	\$ 44.44	\$ 192.65			\$ 166.90	\$ 87,121.80
WH	1,593	194	\$ 404.26	\$ 44.47	\$ 192.65			\$ 167.10	\$ 32,417.40
Totals	18,517	5,147							\$ 1,380,158.70

**Log Code by Percent**

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Noble Fir				45.0	43.0	12.0
Douglas-fir				71.0	27.0	2.0
Western Hemlock				48.0	40.0	12.0

**Marginal Log Volume**

Species	Grade #7	Grade #8
Noble Fir		
Douglas-fir		
Western Hemlock		

**Appraised By :** Poteet, Jeremy

**Date :** 09/28/2015

**Area Approval By :**

**Date :**

**District Approval By :**

**Date :**

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

Salem  
Bent Beekman  
ORS04-TS-2016.502

**Prospectus**

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

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	12,617	4,431	3,527	
Noble Fir	4,307	522	429	
Western Hemlock	1,593	194	159	
<b>Total</b>	<b>18,517</b>	<b>5,147</b>	<b>4,115</b>	

**All Species**

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
5,418	18,517	292	15.6	5,418	67,016	81

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
67,016	0	67,016	3.6	5,147	5,418	95 %

**Douglas-fir**

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
4,656	12,617	369	17.1	4,656	51,184	91

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
51,184	0	51,184	4.1	4,431	4,656	95 %

**Cutting Areas**

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1		43		43
RW1			1	1
2		39		39
RW2			1	1
3		62		62
<b>Totals :</b>		<b>144</b>	<b>2</b>	<b>146</b>