

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

ORS05-TS-2015.0302
Rainbow Ridge Timber Sale

Date: August 19, 2015

PROSPECTUS
SBA SET-ASIDE

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, September 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 Corvallis Gazette-Times on or about August 19, 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 newspapers 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.

FOR SBA SET-ASIDE TRACTS, the bidder must not have been determined by the Small Business Administration to be ineligible for preferential award for set-aside sales and must accompany his deposit with a self-certification statement that he is qualified as a small business concern as defined by the Small Business Administration in its regulations, Title 13, Chapter I, Part 121 (Revision 7) as amended, of the Code of Federal Regulations. The Form 5430-1 Self Certification Statement is attached hereto. The successful bidder will be required to sign SBA Form 723 "Small Business Certification Required on All Preferential Sales of Set-Aside Timber" at the time he signs the timber sale contract. Section 2(a) of Form 723 requires that successful bidders of SBA set-aside tracts must comply with delivery requirements pertaining to sawtimber volume. No more than 30 percent of the timber volume from a set-aside sale may be delivered for manufacturing to a business that is not a small business, as defined by the SBA (13 CFR 121.507 (a)). A copy of SBA form 723 is attached.

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. The BLM has revised the log export restrictions special provision to reduce the log branding and painting requirements.

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
Form 5430-1
SBA Form 723

TIMBER SALE NOTICE

THIS IS A SMALL BUSINESS SET-ASIDE SALE FOR PREFERENTIAL BIDDING BY SMALL BUSINESS CONCERNS AS DEFINED BY THE SMALL BUSINESS ADMINISTRATION.

THIS IS A SCALE SALE

SALEM DISTRICT
MARYS PEAK RESOURCE AREA
ALSEA RICKREALL MASTER UNIT

SALE DATE: September 16, 2015

CONTRACT NO. ORS05-TS-2015.0302, RAINBOW RIDGE TIMBER SALE

BENTON COUNTY, OREGON: O&C: ORAL AUCTION: BID DEPOSIT REQUIRED: \$168,600.00.
All timber designated for cutting on NW¼, W½SW¼, Section 29; T. 14 S., R. 6 W., 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	Est. Vol. MBF 32' Log	Species	Est. Vol. MBF 16' Log	Appraised Price Per MBF	Estimated Volume Times Appraised Price
18,507	6,627	Douglas-fir	8,126	\$206.70	\$1,679,644.20
40	21	western hemlock	27	\$101.20	\$2,732.40
97	12	red alder	16	\$167.70	\$2,683.20
33	7	big leaf maple	7	\$118.90	\$832.30
18,677	6,667	Totals	8,176		\$1,685,892.10

LOG EXPORT AND SUBSTITUTION RESTRICTIONS: All timber offered for sale hereunder is restricted from export from the United States in the form of unprocessed timber and also prohibited from substitution of exported private timber.

CRUISE INFORMATION: The timber volumes for the Partial Cut Units and Regeneration Harvest Units were based on a variable plot cruise for estimating the board foot volume of trees. Plots were measured with a 20 basal area factor for Partial Cut Units and a 40 basal area factor for the Regeneration Harvest Units. The Right-of-Way volume is based on 3P cruise for estimating the board foot volume of trees. Approximately 16% of the total sale volume is salvage material. With respect to merchantable trees of all species; the average Douglas-fir tree is 17.7 inches DBHOB; the average log contains 77 bd. ft.; the total gross volume is approximately 8,499 MBF; and 96 % recovery is expected.

CUTTING AREA: One unit totaling approximately 81 acres is regeneration cut, one unit totaling approximately 30 acres is partial cut and approximately 4 acres is right-of-way. Acres shown on Exhibit A have been computed using a Trimble GeoXH Global Positioning System receiver. Acreage was calculated based on Global Positioning System traverse procedures including differential correction.

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

LOCATION: The Rainbow Ridge Timber Sale is approximately 5 air miles southwest of Bellfountain, OR. From the town of Bellfountain, proceed west on Dawson Road approximately 3 miles to the beginning of the Weyerhaeuser Mainline, 14-6-9 road. Then proceed approximately 3 miles to the 14-6-20.1 road. Continue approximately 0.75 miles and arrive at the sale area. See location map for details.

ACCESS AND ROAD MAINTENANCE: Access is provided on Weyerhaeuser Company and Bureau of Land Management controlled roads. In the use of Weyerhaeuser Company controlled roads – Weyerhaeuser Company maintenance, the Purchaser shall enter into a license agreement with Weyerhaeuser Company and pay to Weyerhaeuser Company a road use fee of eleven thousand six hundred eighty-nine and 89/100 (\$11,689.89) and a road maintenance and rockwear fee of twenty-four thousand four hundred seventy-two and 78/100 dollars (\$24,472.78), carry liability insurance with limits of \$250,000/\$500,000/\$250,000, and provide a performance bond of \$2,000.00 for timber and mineral haul.

In the use of Bureau of Land Management controlled roads – Purchaser Maintenance and Weyerhaeuser Company controlled roads – Purchaser Maintenance, the Purchaser will be required to perform maintenance on approximately 3.75 miles of renovated roads. The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of two thousand eight hundred sixty-seven and 29/100 dollars (\$2,867.29)

In the use of Bureau of Land Management controlled roads – Bureau of Land Management Maintenance, the Purchaser shall pay to the Government a road maintenance obligation in the amount of twenty-seven thousand three hundred nineteen and 38/100 dollars (\$27,319.38).

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

Renovation:

Road 14-6-20.1, 4,699 feet, 16 foot subgrade with 2 foot ditch
Roadside brushing; slide and slough removal, surface blading and compaction, ditch and culvert cleaning
Surfacing (MP 0.00 to MP 0.89) Aggregate surface course, depth 6 inches, useable width 15 feet

Road 14-6-29, 1,795 feet, 16 foot subgrade with 2 foot ditch
Roadside brushing, slide and slough removal, surface blading and compaction, ditch and culvert cleaning
Surfacing (MP 0.00 to MP 0.34) Aggregate surface course, depth 6 inches, useable width 15 feet

Road 14-6-30.2, 8,025 feet, 16-foot subgrade with 2 foot ditch
Roadside brushing, slide and slough removal, surface blading and compaction, culvert replacement, ditch and culvert cleaning
Surfacing (MP 0.00 to MP 1.52) Aggregate surface course, depth 6 inches, useable width 15 feet

3. **Estimated Quantities:**

Clearing and Grubbing:

4.6 acres
4,226 cubic yards common

Culvert and Flume:

200 feet of 18 inch CPP
76 feet of 24 inch CPP

Aggregate Material:

Quantity - loose yards

Description

9,202 cubic yards

3" minus – Commercial

Rolling: 80 Hours

Miscellaneous Items:

Gate – supply and install

5.3 acres of brushing

1.8 acres of soil stabilization

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

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 68 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

Activity	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Road Construction, Renovation & quarry activities												
Ground-based Yarding												
Timber Hauling												
Generally allowed												
Generally not allowed – or restriction applies												

TIMBER SALE CONTRACT SPECIAL PROVISIONS

Sec. 41.

RESERVED

- a. All timber on the Reserve Areas shown on Exhibit A and all painted orange or posted trees which are on or mark the boundaries of the Reserve Areas and/or right-of-way areas of the Roads to be Constructed shown on Exhibit A.
- b. All trees marked with orange paint in the Partial Cut Areas and in the Regeneration Harvest Areas shown on Exhibit A.
- c. All preexisting down logs and snags in the Partial Cut Areas and in the Regeneration Harvest Areas shown on Exhibit A, except as otherwise provided in this contract.
- d. All trees other than Douglas-fir in the Partial Cut Areas shown on Exhibit A.
- e. All trees other than Douglas-fir, western hemlock, red alder and bigleaf maple in the Regeneration Harvest Areas shown on Exhibit A.
- f. All trees under 7 inches DBHOB not designated for cutting.

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 prework 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 prework conference.

c. 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 he plans to begin operations. This written notification must be received by the Authorized Officer no less than seven (7) days prior to the date the Purchaser plans to begin or resume operations. The Purchaser shall also notify the Authorized Officer in writing if he intends to cease operations for any period of seven (7) or more days.

d. No trees may be felled in or into the Reserve Areas on Exhibit A, or adjacent private land, unless expressly authorized by other provisions of this contract. Tops, limbs, and other logging debris entering the Reserve Areas from felling operations shall be pulled back into the Partial Cut areas and Regeneration Harvest areas shown on Exhibit A.

e. All trees designated for cutting which are within one hundred (100) feet of the Stream Protection Zones shall be felled away from the Stream Protection Zones. Trees or portions of trees falling within any Stream Protection Zone shall be reserved from removal.

f. In the Partial Cut Area - Skyline Yarding and in the Regeneration Harvest Area – Skyline Yarding shown on Exhibit A, yarding shall be done with a standing skyline-type cable system. The skyline-type system shall be equipped with a clamping, energized or mechanical slackpulling carriage capable of yarding fifteen hundred (1,500) feet slope distance from the landing and having at least seventy-five (75) feet lateral yarding capabilities. The carriage shall be capable of being held in position on the skyline during all lateral yarding and shall be able to pass intermediate support jacks as required. Skyline yarding roads shall be spaced an average of one hundred fifty (150) feet apart at the point where the skyline intersect the Partial Cut Area and Regeneration Harvest Area boundaries. Skyline yarding roads shall be located perpendicular to the yarding slope unless otherwise approved by the Authorized Officer. The Purchaser shall directionally fall trees into the lead with the yarding direction. The leading end of all logs shall be transported free of the ground during yarding. The rigging of tail or lift trees, intermediate supports, and use of tailholds outside the Partial Cut Areas shall be required where necessary to meet this requirement.

g. In the Partial Cut Area – Ground-Based Yarding and in the Regeneration Harvest Area – Ground-Based Yarding shown on Exhibit A, all yarding shall be done by equipment operated on designated skid roads. Skid roads shall generally be restricted to slopes less than 35% and be located perpendicular to the slope to minimize road cutting. Skid roads shall be spaced no closer than 150 apart unless otherwise approved by the Authorized Officer. All trees that must be removed to facilitate construction of these skid roads shall be felled prior to falling operations in the remainder of this area. The Purchaser shall directionally fall trees into the lead with the skidding direction and winch or carry to these skid roads. No yarding equipment shall be permitted to operate off these skid roads.

h. Before cutting and removing any trees necessary to facilitate logging in the Partial Cut Areas and in the Regeneration Harvest Areas shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding the following conditions must be met:

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

(2) The Purchaser may immediately cut and remove additional timber to clear skid roads and cable yarding roads and provide tailhold, tieback, guyline, lift and intermediate support trees, and clear danger trees when the trees have been marked with blue or green colored paint above and below stump height by the Authorized Officer and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber to be sold will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this provision unless sufficient installment payments have been made in accordance with Sec. 3.(b). of the contract or sufficient bonding has been provided in accordance with Sec. 3.(d). of the contract.

(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 all trees other than Douglas-fir and western hemlock otherwise reserved in Section 41 of the contract or any Douglas-fir tree that exceeds thirty-two (32) 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 Section 10 of the contract constitutes a violation of the contract and under Section 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.

(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.

(6) The Government may reserve trees previously designated for cutting and removal by applying orange paint as replacements for additional trees cut and removed for skid roads and/or cable yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescriptions. This may include the replacement of trees damaged by storm events, or insects or disease. The volume of this timber to be reserved will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and the value shall be based on the unit prices shown in Exhibit B of the contract. The Purchaser agrees that the Total Purchase Price shall be reduced accordingly through a unilateral modification to the contract executed by the Contracting Officer.

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

j. No yarding or loading is permitted in or through the Reserve Area, shown on Exhibit A.

k. No ground-based yarding shall be conducted on the Partial Cut Areas - Ground-Based Yarding and Regeneration Harvest Area – Ground-based Yarding shown on Exhibit A between October 15 of one calendar year and July 15 of the following calendar year, both days inclusive, or during any period of wet soil conditions as determined by the Authorized Officer.

l. In the Special Yarding Area shown on Exhibit A preexisting snags and downlogs shall be cut and removed, unless marked with orange painted.

m. Excessive damage to reserve timber, as determined by the Authorized Officer, will result in suspension of the yarding operations until mitigation measures are in place to prevent further damage as approved by the Authorized Officer

n. 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.

ROAD CONSTRUCTION, RENOVATION, MAINTENANCE AND USE

o. The Purchaser shall construct approximately 5,082 feet of road and renovate approximately 14,520 feet of road in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.

p. No road renovation shall be conducted on the Contract Area shown on Exhibit A between November 1 of one calendar year and April 30 of the following calendar year, both days inclusive, or during other periods of wet soil conditions as determined by the Authorized Officer.

q. Any required road renovation shall be completed and accepted prior to the removal of any timber, except right-of-way timber, over that road.

r. The Purchaser is authorized to use the road listed below and shown on Exhibit C 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 the hauling of rock as required in Exhibit C, provided that the Purchaser pay the required maintenance obligation described in Section 42.s. The Purchaser shall pay current Bureau of Land Management maintenance and rockwear fees for the sale of additional timber under the modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
14-6-34.1 Seg A-B _{part}	5.50	Bureau of Land Management	Crushed Aggregate

s. Provided, that the Purchaser shall pay the Government a road maintenance obligation of twenty-seven thousand three hundred nineteen and 38/100 dollars (\$27,319.38) for the transportation of any timber included in the contract price and the hauling of rock as required in Exhibit C over said road.

t. In the use of the road listed below and shown on Exhibit E, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. S-260 between the United States of America and Weyerhaeuser Company. These conditions include: Payment to Weyerhaeuser Company a road use obligation of eleven thousand six hundred eighty-nine and 89/100 dollars (\$11,689.89) and a road maintenance and rockwear obligation of twenty-four thousand four hundred seventy-two and 78/100 dollars (\$24,472.78) payable at the time indicated in the license agreement. This document is available for inspection at the office of the Authorized Officer. Prior to the use of this road, the Purchaser shall furnish the Authorized Officer a copy of the executed license agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement or any license agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision. The Purchaser will be required to carry liability insurance with limits of \$250,000.00/\$500,000.00/\$250,000.00 and a performance bond of \$2,000.00.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
14-6-9 Seg. A-H,K-O	5.80	Weyerhaeuser Co.	Crushed Aggregate

u. The Purchaser is authorized to use the roads listed below and shown on Exhibit C which are under the jurisdiction of the Bureau of Land Management and Weyerhaeuser Company for the removal of Government timber sold under the terms of this contract and the hauling of rock as required in Exhibit C provided that the Purchaser comply with the conditions set forth in Section 42.w., pay the required rockwear obligation described in 42.v. and comply with Right-of-Way Agreement No. S-260 as set forth in Sec. 42.t. 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
P ₁	0.16	Bureau of Land Management	Crushed Aggregate
P ₂	0.06	Bureau of Land Management	Crushed Aggregate
P ₃	0.44	Bureau of Land Management	Crushed Aggregate
P ₄	0.08	Bureau of Land Management	Crushed Aggregate

P ₅	0.06	Bureau of Land Management	Crushed Aggregate
P ₆	0.11	Bureau of Land Management	Crushed Aggregate
P ₇	0.04	Bureau of Land Management	Crushed Aggregate
14-6-29.0 Seg. A	0.34	Weyerhaeuser Company	Crushed Aggregate
14-6-20.1 Seg. A-B _{PART}	0.91	Weyerhaeuser Company	Crushed Aggregate
14-6-30.2 Seg A-B	0.91	Weyerhaeuser Company	Crushed Aggregate
14-6-30.2 Seg. C,D	0.51	Bureau of Land Management	Crushed Aggregate

v. The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of two thousand eight hundred sixty-seven and 29/100 dollars (\$2,867.29) for the transportation of timber included in the contract price. 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.

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

x. 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, 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.

y. With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users of roads included in Exhibit E of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of such roads resulting from wear or damage in accordance with this contract. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.

ENVIRONMENTAL PROTECTION

z. In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall complete grass seeding on exposed soil on all skyline roads, ground-based skid roads, and landings as directed by the Authorized Officer. Grass seed and suitable equipment to apply seed shall be furnished by the Purchaser.

Seed to be supplied shall meet the following requirements:

<u>SPECIES</u>	<u>RATE</u>
Red Fescue (Festuca rubra)	100%
Oregon Certified Seed (Blue Tag)	

Purity	95% minimum
Germination	85% minimum
Noxious Weed Content	None (Tested: None Found)

The Purchaser shall apply grass seed uniformly on the designated areas at a rate equal to forty (40) pounds per acre. Evidence of seed certification shall be furnished to the Authorized Officer prior to application. Grass seed which has become wet, moldy or otherwise damaged shall not be provided.

aa. In addition to the requirements set forth in Sec.26 of this contract, in order to reduce or prevent the spread of noxious weeds to BLM lands, all road construction, piling, and ground-based logging equipment including loaders shall be cleaned of all plant parts and soil prior to entry onto BLM lands. 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 BLM lands.

bb. Immediately following ground-based yarding activities for any operating season, the Purchaser shall construct water bars, as shown on Exhibit C, on ground-based skid roads and block them to vehicular traffic as directed by the Authorized Officer. The location of water bars shall be approved by the Authorized Officer prior to construction.

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

- (1) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or reinitiation of consultation is required concerning the species prior to continuing operation, or;
- (2) when, in order to comply with the Endangered Species Act or to protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the 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) when, in order to comply with a court order which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;
- (6) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;

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

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

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

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the First Installment held on deposit may be temporarily reduced upon the written request of the Purchaser. For the period of suspension extending beyond 30 days, the First Installment on deposit may be reduced to five (5) percent of the First Installment amount listed in Section 3.b. of the contract. Any First Installment amount temporarily reduced may be refunded or transferred to another BLM contract at the request of the Purchaser. However, if the Purchaser has outstanding debt owing the United States, the Contracting Officer must first apply the amount of First Installment that could be refunded to the debt owed in accordance with the Debt Collection Improvement Act, as amended (31 USC 3710, *et seq.*). Upon Purchaser's receipt of a bill for collection and written notice from the Contracting Officer lifting the suspension, the Purchaser shall restore the First Installment to the full amount shown in Section 3.b. of the contract within 15 days after the bill for collection is issued, subject to Section 3.h. of the contract. The Purchaser shall not resume contract operations until the First Installment amount is fully restored.

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

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

claim that delays due to the suspension hindered performance of the contract or resulted in damages of any kind to the Purchaser.

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

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

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

FIRE PROTECTION

dd. 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

ee. 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. This work shall not be conducted during periods of wet soil conditions.

ff. 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, prescribed fire site preparation, and for prescribed burning, mop-up, 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 preparing slash for burning, falling any additional snags needed to be felled for hazard reduction, burning, fire control, mop-up, and patrol by furnishing, at his own expense, the services of personnel and equipment on each Unit as directed in the Exhibit G, and as shown on Exhibit F.

MISCELLANEOUS

gg. The purchaser agrees not to sell and/or exchange more than 30 percent of the timber or log volume from this preferential sale to concerns that do not meet the Small Business Administration small business size standard (13 CFR 121). The purchaser understands that in addition to other penalties which may be imposed for violating the foregoing, the purchaser may be declared ineligible to participate in future Federal timber sales that are set-aside for preferential bidding by small business qualified concerns for two semi-annual triggered periods succeeding the violation. The purchaser shall provide a current, interim Log Scale and Disposition of Timber Removed Report (Form 5460-15) upon request by the Authorized Officer at any time during the contract period for cutting and removal specified in Section 4 of this contract as amended.

LOG EXPORT RESTRICTION

hh. 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.

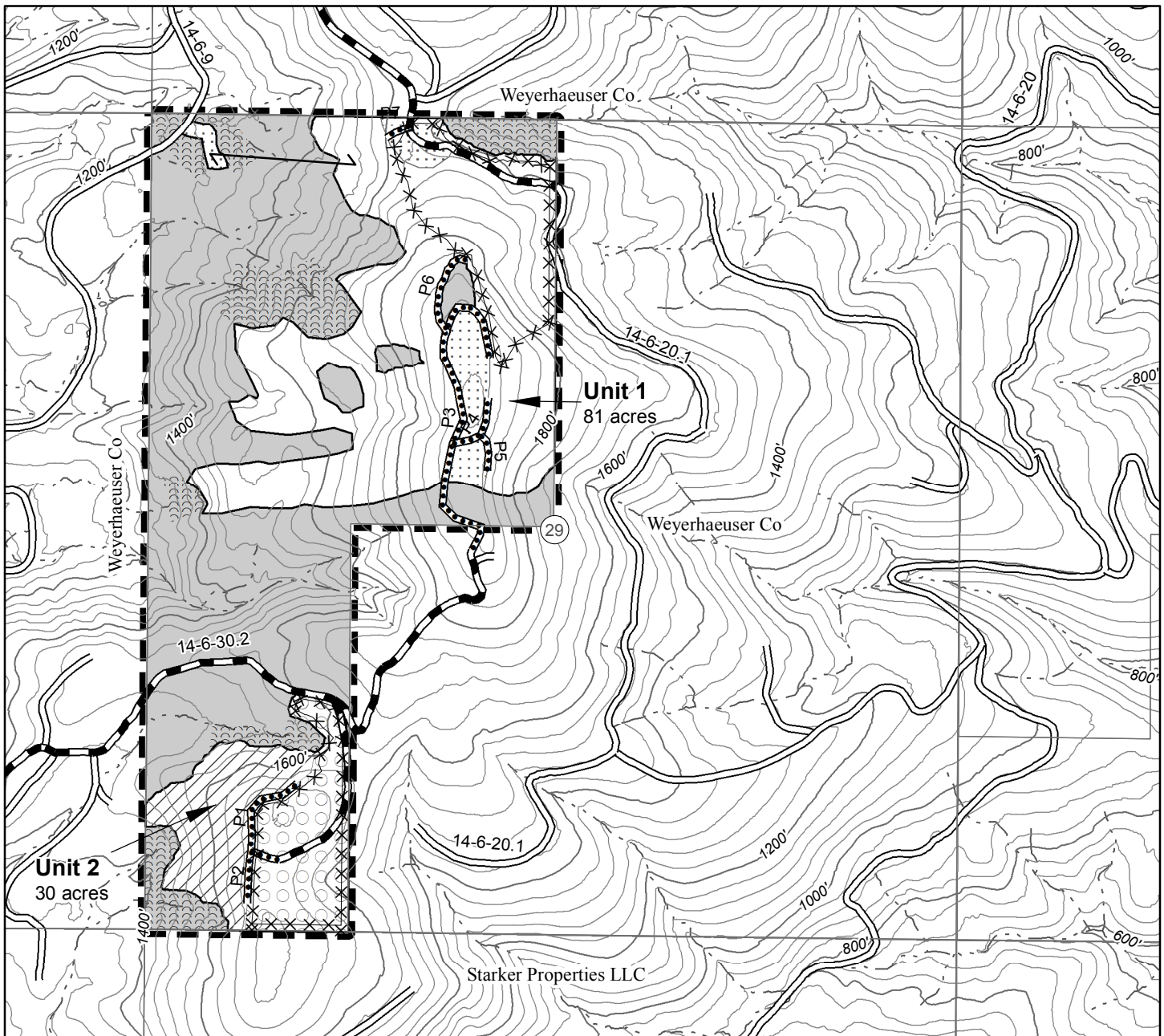
Unless otherwise authorized in writing by the Contracting Officer, the Purchaser shall brand clearly and legibly one end of all logs with a scaling diameter (small end inside bark) of over 10 inches, prior to the removal of timber from the contract area. All loads of 11 logs or more will have a minimum 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.

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORS05 -TS-2015.0302
T. 14 S., R. 6 W., Section 29, W. M. - SALEM DISTRICT - OREGON



Contour Interval: 40ft (Lidar)



Special Yarding Area



Partial Cut Area - Ground-Based Yarding



Partial Cut Area - Skyline Yarding



Regeneration Harvest Area - Ground-Based Yarding



Regeneration Harvest Area - Skyline Yarding



Road to be Constructed



Road to be Renovated



Existing Road



Stream



Stream Protection Zone



Reserve Area



Boundary Cutting Area



Boundary Contract Area

Regeneration Harvest Area	81 acres
Partial Cut Area	30 acres
Right of Way Area	4 acres
Reserve Area	125 acres
Total Contract Area	240 acres



1,000 500 0 1,000 Feet

NOTES: Boundary of Regeneration Harvest Areas and Partial Cut Areas are painted orange and posted. Unit acres do not include existing roads or Rights-of-Way. 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.

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

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

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

Schedule of Species, Measurement Units, and Prices		
Species	Measurement Unit	Price Per Measurement Unit
Douglas-fir	MBF	
western hemlock	MBF	
red alder	MBF	
big leaf maple	MBF	

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

Schedule of Minimum Material Specifications			
Species and Products	Length	Diameter (inside bark at small end)	Net Scale
All Species	16 feet	5 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. 40 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.(e). of the contract. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

IV. Scaling

A. Log Rule and Measurement - All logs shall be scaled according to the Northwest Log Rules Eastside Log Scaling Handbook, as amended, or supplemented by BLM before the first advertisement date of the sale. A Scaling Authorization Form (OR 5300-18) must be completed prior to beginning of operations. Log scaling procedures including sample design shall be determined by the Contracting Officer in accordance with standard BLM sampling methods.

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 shall conduct check scales as set forth in the following section.

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

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

Gross Scale. A variance of one and one half (1½) percent in gross scale is the standard unless otherwise justified.

Net scale. The allowable variance is as follows:

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

Determinations as to volume of timber made by a government check scaler in conformance with the standards as set forth herein shall be final. All loads check scaled by BLM shall be identified with the check scaler's initials legibly marked or painted in the face of the first log in each load. When such checks show a variance in scale in excess of acceptable standards, in two or more consecutive check scales, an adjustment to the volume reported as scaled shall be made by BLM. Such adjustments shall 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 shall be applied shall 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 seven (7) days prior to starting or stopping of hauling operations performed under the contract.
2. All logs shall be painted and branded at the landing and accounted for in accordance with Sec. 42.gg of the contract. Each truck driver shall obtain a load receipt and a BLM scaler receipt from

the Log Truck Ticket Book issued by the Authorized Officer and comply with the instructions specified on the cover of said book. While products are in transit, the truck driver shall display the load receipt and BLM scaler receipt on the bunk or wing log at the front of the load on the driver's side. All logs on each load shall be delivered to the destination listed on the woods receipt. The BLM scaler receipt shall be surrendered at the location of BLM scaling, the unloading location, or as requested by BLM.

3. The Purchaser shall not haul logs from the contract area on weekends; Memorial Day, Fourth of July, Labor Day, Thanksgiving, Christmas, and New Year's holidays; or outside the hours of 4:00 a.m. to 8:00 p.m. daily, unless otherwise approved in writing by the Authorized Officer or designated in the Approved Logging Plan (Refer to Section 42.b 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 shall 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 shall 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.

7. In the event that BLM logs arrive at the log yard after daily scaling operations, an Overnight Load Control Record, Exhibit B page 5, will be completed by the Scale Site Authorized Representative. Before any BLM loads are released for scaling the BLM contract scaler or a BLM authorized representative shall complete the record and attach the form to the load receipt.

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 shall 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 shall be determined by multiplying the value per acre as shown below times the amount of acreage subject to the purpose of the value determination, as determined by the Authorized Officer:

Total Estimated Purchase Price And/Or Schedule of Volumes and Values for Merchantable Timber Not Yet Removed from Contract Area					
Cutting Area		Total Estimated Volume (MBF)		Total Estimated Purchase Price	
Cutting Area Number	Approximate Number of Acres	Volume Per Acre	Total Volume	Value Per Acre	Total Value
Unit 1	81	88.1	7,140		
Unit 2	30	22.9	688		
Unit RW 1	2	131.5	263		
Unit RW 2	2	42.5	85		
Sale Total	115	71.1	8,176		

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

Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)
2. Contractor or BLM scaler shall fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner shall be required to sign.
3. Unless otherwise agreed, scaler shall attach this form to the Load Receipt.

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

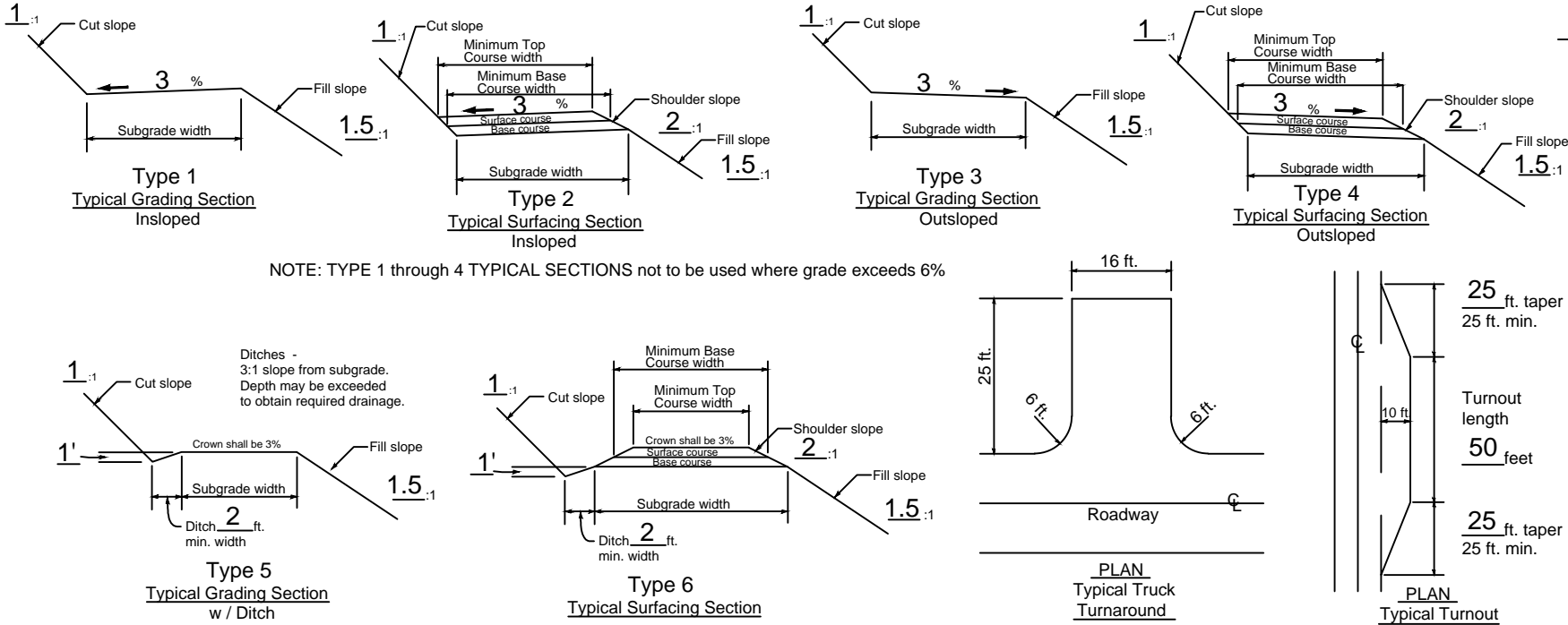
Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)
2. Contractor or BLM scaler shall fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner shall be required to sign.
3. Unless otherwise agreed, scaler shall attach this form to the Load Receipt.

150: ROAD PLAN AND DETAIL SHEET

ROAD NUMBER	STATION OR MILE POST	TO STATION OR MILE POST	LENGTH mi. or sta.	TYPICAL SECTION TYPE	ALIGNMENT	ROAD WIDTH (*1 & 4)		GRADIENT		CLEARING WIDTH (*7)				SURFACING (*5)											REMARKS
					Minimum Radius of Curve	Subgrd.	Ditch	Maximum Favorable	Maximum Adverse	Beyond		Existing roads (*6)		BASE COURSE					SURFACE COURSE						
														Minimum Width	Comp. Depth (*9)	Surface Type (*3)	Grading Size (*3)	No. of Lifts	Minimum Width	Comp. Depth	Surface Type (*3)	Grading Size (*3)	No. of Lifts		
										Top Cut	Toe Fill	L	R												
14-6-20.1	0.00	0.89	0.89	6	-	16	2	-	-	-	-	-	-	15	6	ASC	A	1	-	-	-	-	-	Rock all turnouts and curve widenings	
14-6-29.0	0.00	0.34	0.34	6	-	16	2	-	-	-	-	-	-	15	6	ASC	A	1	-	-	-	-	-	Rock all turnouts and curve widenings	
14-6-30.2	0.00	1.52	1.52	6	-	16	2	-	-	-	-	-	-	15	6	ASC	A	1	-	-	-	-	-	Rock all turnouts and curve widenings	
14-6-30.2	1.15	1.15	-	6	-	16	2	-	-	-	-	-	-	15	varies	ABC	A	varies	-	-	-	-	-	10 cy for culvert site	
14-6-30.2	1.27	1.27	-	6	-	16	2	-	-	-	-	-	-	15	varies	ABC	A	varies	-	-	-	-	-	10 cy for culvert site	
P1	0+00	5+40	5+40	4	-	14	0	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-		
P1	5+40	5+40	-	6	-	14	1	-	-	-	-	-	-	13	varies	ABC	A	varies	-	-	-	-	-	10 cy for culvert site	
P1	5+40	8+20	2+80	6	-	14	1	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock dbl taper, 50'x50' landing, TOL	
P2	0+00	3+40	3+40	4	-	14	0	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock dbl taper, 50'x50' landing, TOL	
P3	0+00	10+20	10+20	6	-	14	1	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-		
P3	0+00	0+00	-	6	-	14	1	-	-	-	-	-	-	13	varies	ABC	A	varies	-	-	-	-	-	10 cy for culvert site	
P3	6+10	6+10	-	6	-	14	1	-	-	-	-	-	-	13	varies	ABC	A	varies	-	-	-	-	-	10 cy for culvert site	
P3	10+20	13+00	2+80	4	-	14	0	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock TOL	
P3	13+00	19+20	6+20	6	-	14	1	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock TOL	
P3	17+10	17+10	-	6	-	14	1	-	-	-	-	-	-	13	varies	ABC	A	varies	-	-	-	-	-	10 cy for culvert site	
P3	19+20	23+20	4+00	4	-	14	0	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock dbl taper, 50'x50' landing, TOL	
P4	0+00	4+40	4+40	6	-	14	1	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock dbl taper, 50'x50' landing	
P5	0+00	3+40	3+40	4	-	14	0	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock dbl taper, 50'x50' landing	
P5	0+00	0+00	-	4	-	14	0	-	-	-	-	-	-	13	varies	ABC	A	varies	-	-	-	-	-	10 cy for culvert site. Connect P4 ditch line	
P6	0+00	5+87	5+87	6	-	14	1	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock dbl taper, 50'x50' landing. Ditchout	
P6	4+80	4+80	-	6	-	14	1	-	-	-	-	-	-	13	varies	ABC	A	varies	-	-	-	-	-	10 cy for culvert site. Prior to taper/landing	
P7	0+00	2+35	2+35	4	-	14	0	-	-	-	-	-	-	13	10	ABC	A	2	-	-	-	-	-	Rock dbl taper, 50'x50' landing	

Note: Maintenance rock, 800 cy total, shall be placed and processed throughout the life of the timber sale. Location of placement, and cy of amount placed will determined by the Authorized Officer. Not required for road acceptance under Section 18 of this contract.



*NOTES

- Extra subgrade widths**
Add to each shoulder: 1 foot for fills of 1 to 6 feet. Widen inside or outside shoulder of tight curves as needed for log trucks to maneuver, with tires remaining on roadbed.
Typical Vehicle: Western Log Truck
Curve: Offtracking:
45 degrees 4.8 feet
90 degrees 6.6 feet
180 degrees 7.2 feet
- Backslopes**

Materials	Cut slopes	Fill slopes
Solid rock	1/2:1	Angle of repose
Soft rock and shale	3/4:1	
Common		
Slopes under 55%	1:1	1-1/2:1
Slopes over 55%	1-1/2:1	1-1/2:1

Note:
Full bench construction is required on side slopes exceeding 60%.
- Surface Type**

	Gradation
PRR - Pit run rock	C - 1 1/2" minus
GRR - Grid rolled rock	D - 1" minus
SRN - Screened rock	E - 3/4" minus
JRR - Jaw run rock	
ABC - Aggr. base course	A - 3" minus
ASC - Aggr. surface course	B - 2" minus
WC - Wood chips	C - 3"

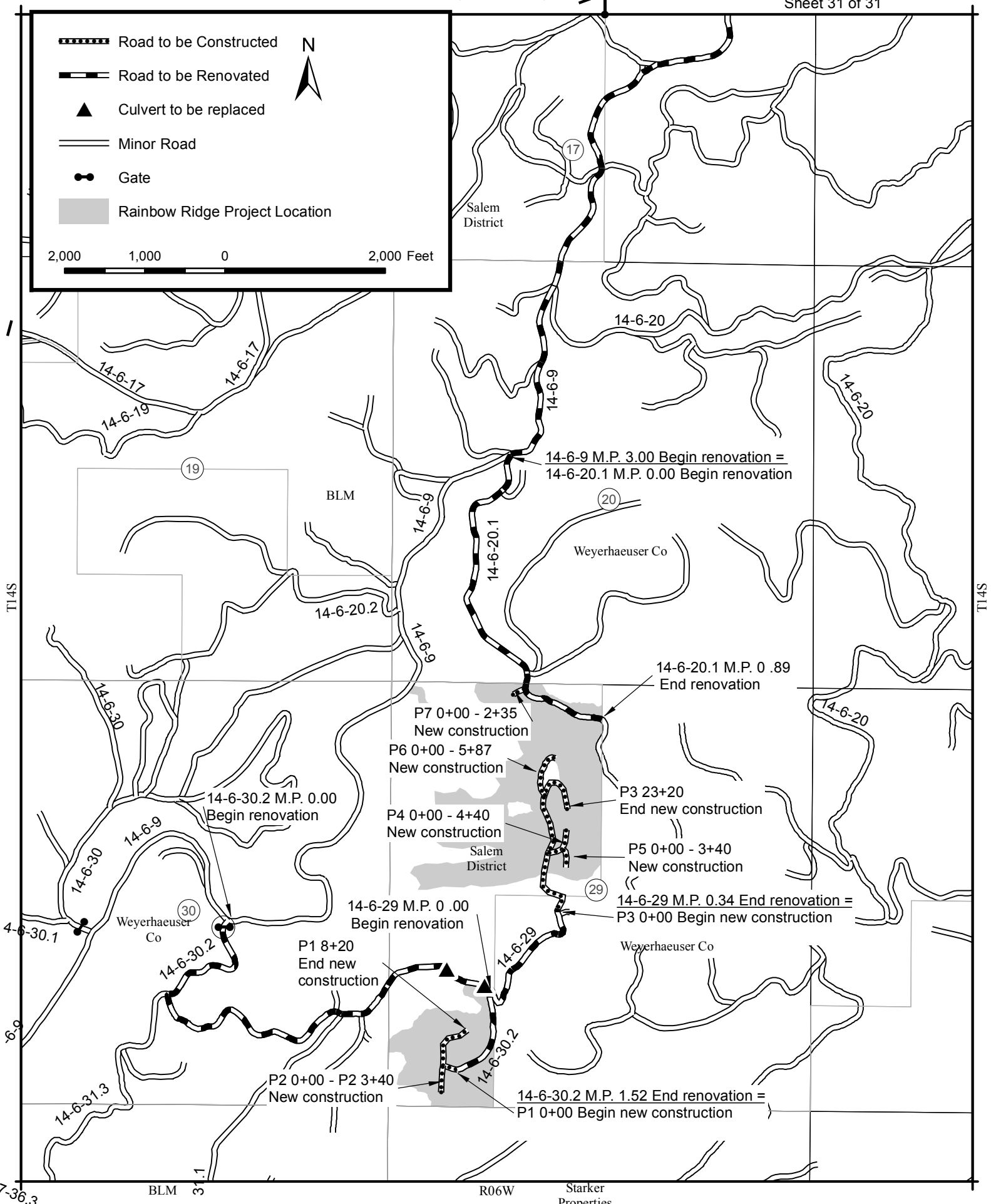
(surface course)
(base course)
- Turnouts**
Width shall be 10 feet in addition to the subgrade width, with lengths as shown on this plan, or as directed by the Authorized Officer.
- Surfacing**
Turnouts, curve widening, and the first 50 feet of all junction aprons shall be surfaced, for all road stations requiring surfacing, as listed above, and as directed by the Authorized Officer.
- Clearing Width**
As posted and painted for Right-of-Way, and as required in Section 200 and 2100 of this contract.
- Grading (Renovation)**
See Section 500 of this contract.
- Drainage**
See Section 400 of this contract.
Culvert site aggregate, as designated in Section 400 of this contract, does not fulfill any requirements as listed above for full lifts of surface or base applications.
- Compaction**
See Sections 300 and 500 of this contract.

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
ROAD PLAN MAP

T. 14 S., R. 6 & 7 W., W.M.

Rainbow Ridge Timber Sale
ORS05-TS-2015.0302

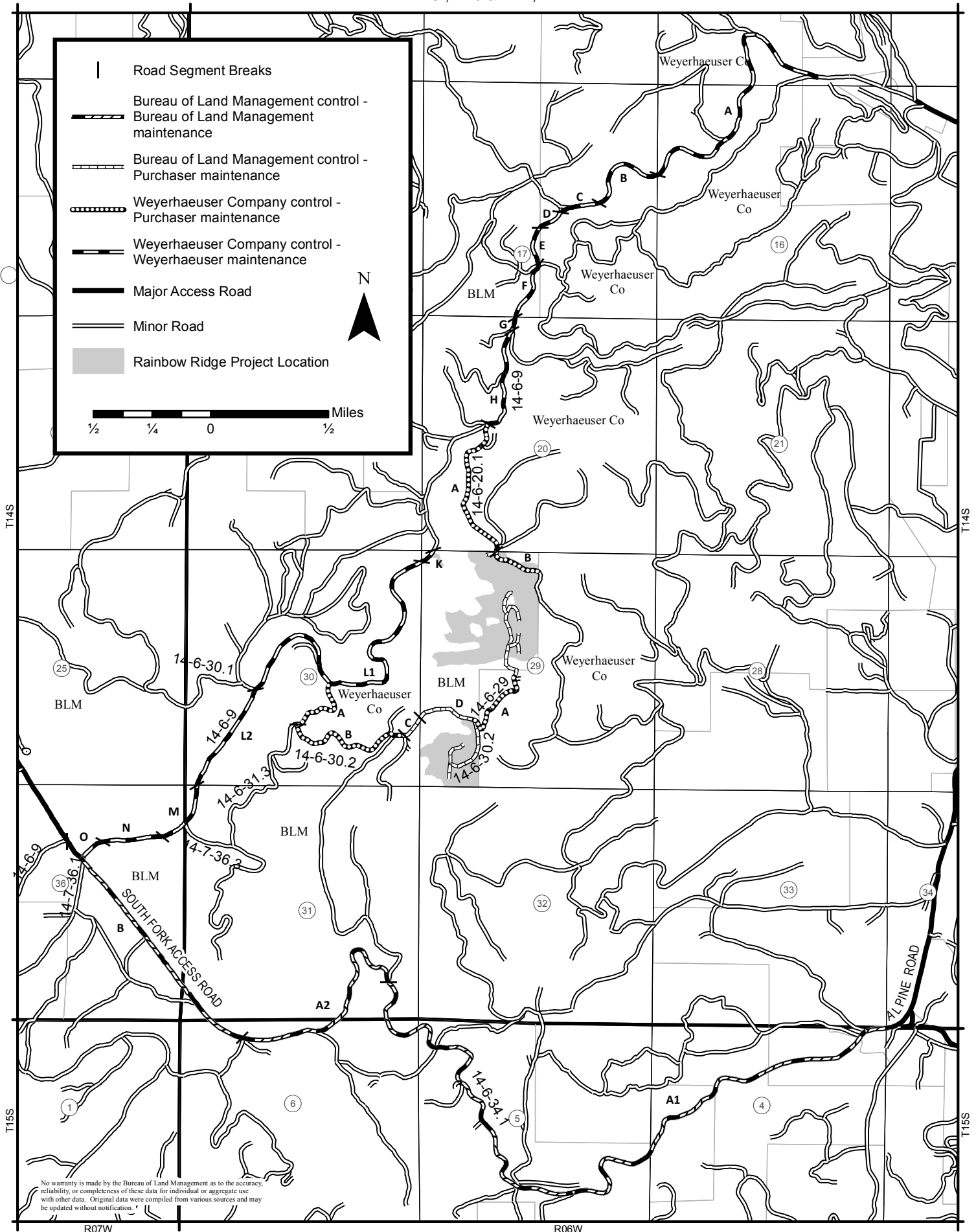
EXHIBIT C
Sheet 31 of 31



United States Department of the Interior BUREAU OF LAND MANAGEMENT
ROAD USE AND MAINTENANCE MAP

Rainbow Ridge Timber Sale
ORS05-TS-2015.0302
EXHIBIT E

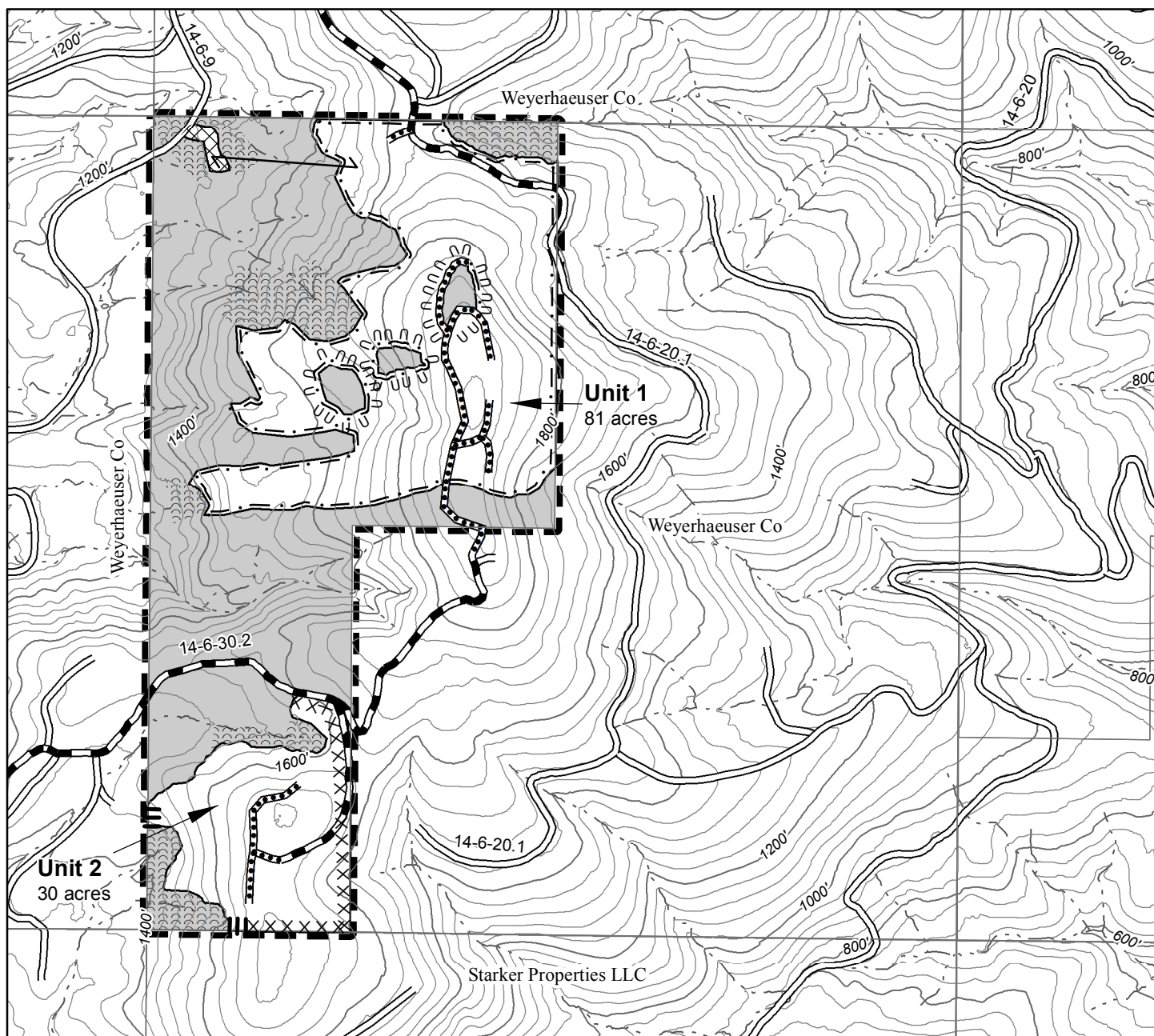
T. 14 S., R. 6 & 7 W., W.M.



LOGGING RESIDUE REDUCTION AND PRESCRIBED FIRE SITE PREPARATION MAP
CONTRACT NO. ORS05 -TS-2015.0302

EXHIBIT F

T. 14 S., R. 6 W., Section 29, W. M. - SALEM DISTRICT - OREGON



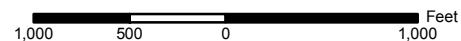
Contour Interval: 40ft (Lidar)

Fuel Reduction Area

- ||||||| Hand Piling
- xxxx Machine Piling
- uuuuuuu Slash Pullback
- Fire Trail Construction

- Road to be Constructed
- == Road to be Renovated
- == Existing Road

- Stream
- ~~~~~ Stream Protection Zone
- Reserve Area
- Boundary Cutting
- Boundary Contract



NOTES: Boundary of Regeneration Harvest Areas and Partial Cut Areas are painted orange and posted. Unit acres do not include existing roads or Rights-of-Way. 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.

**SPECIAL PROVISIONS FOR
LOGGING RESIDUE REDUCTION
PRESCRIBED FIRE SITE PREPARATION
PRESCRIBED BURNING, MOP-UP AND PATROL**

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 the ground based harvest area adjacent to BLM Road 14-6-9 identified on Exhibit F.	1 acre
-------------	---	--------

Unit No. 2:	Within one hundred (100) feet (horizontal distance) on the south and east property lines and along BLM Road 14-6-30.2 identified on Exhibit F.	6 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.aa.

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.

CONSTRUCTION AND COVERING OF HAND PILES

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

Unit No. 2:	Along the south and west property lines within the cable yarding areas identified on Exhibit F.	1 acre
-------------	---	--------

2. Slash greater than two (2) feet long and between one (1) inch and six (6) inches in diameter at the large end shall be hand piled. Larger material which has a portion meeting this specification must be bucked at the six (6) inch diameter and that portion shall be piled.

3. Hand piles shall be located as far as possible from green trees, snags, or unit boundaries to minimize damage.

4. All hand piles shall have the slashed limbs, and logs placed parallel in the pile and should be 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. Piles shall be no larger than ten (10) feet in diameter, nor taller than six (6) feet unless otherwise directed by the Authorized Officer. To the maximum extent possible, hardwood slash shall be mixed with conifer slash to create piles that are more burnable. Hand piles shall not be placed in stream channels or on roads.

5. The hand 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.

6. The Purchaser shall provide all tools, materials, equipment, personnel and incidentals necessary to satisfactorily perform and complete the work at the Purchasers expense.

PRESCRIBED FIRE SITE PREPARATION

SLASHING

1. All standing woody vegetation (brush, whips, and designated trees) over one (1) foot in height shall be felled (slashed) and lopped into six (6) foot lengths.
2. All woody vegetation shall be completely severed from the stump(s). Stump height shall not exceed six (6) inches measured on the uphill side.
3. All conifer and hardwood trees designated by the Authorized Officer shall not be slashed.

SLASH PULLBACK

1. Activity generated woody debris shall be pulled back within thirty (30) days after completion of skidding or yarding on each Fuel Reduction Area, as determined by the Authorized Officer. Specified areas and approximate acres are listed below:

Unit No. 1: Around the three green tree aggregate areas
located within the Regeneration Harvest unit identified
on Exhibit F.

2 acres

2. All logging slash greater than one (1) foot long and between one (1) inch and six (6) inches in diameter at the large end should be completely removed at least twenty-five (25) feet (horizontal distance) from the edges of designated aggregates. Larger material which has a portion meeting this specification must be bucked at the six (6) inch diameter and that portion pulled back. Slash shall not be piled, or windrowed. Slash shall be scattered over the site so that the slash is no more than one-foot in depth, measured from mineral soil.

FIRE TRAIL CONSTRUCTION

1. Hand fire trails, not to exceed fourteen thousand (14,000) feet horizontal distance as shown on Exhibit F shall be constructed and maintained as directed by the Authorized Officer. The Authorized Officer shall designate the exact location and time of construction of the fire trails.
2. Fireline Corridor Clearing

The area two and one half (2½) feet either side of the fireline (eight (8) feet total) shall be cleared. The width shall be measured parallel with the ground (slope distance).

Within the cleared area, the following material shall be cut.

- (a) Cut all brush and vegetation. Stump heights shall be as close to ground level as possible without damaging tools.
- (b) Cut live trees less than six (6) inches in diameter. Stump heights shall be as close to ground level as possible without damaging tools.
- (c) Cut logs less than twelve (12) inches in diameter.
- (d) Remove all cut brush, vegetation, cut trees less than six (6) inches and residual slash left over from timber harvest into the prescribed fire unit. Slash and debris removed from within this area shall be scattered far enough beyond the cleared corridor and not piled or windrowed to prevent excessive heat build-up along the fireline during burning operations.

3. Fireline Construction

Hand fireline shall be constructed as close to the center of the cleared corridor as possible. A three (3) foot wide line shall be cleared to mineral soil. A strip less than three (3) foot wide may be designated by the Authorized Officer in some areas.

The fireline shall be located to avoid larger green trees.

A three (3) foot section shall be removed from logs greater than twelve (12) inches diameter located across the fireline.

Side Slopes - On side slopes that are steeper than thirty (30) percent, the three (3) foot wide strip shall be cup trenched sufficiently to catch rolling material six (6) inches or less in diameter.

Water Bars - Water bars shall be constructed as needed, to the standards listed below.

Percent of Slopes: 0% - 09% - None Required
10% - 29% - 1 Water Bar Every 300'
30% - 59% - 1 Water Bar Every 150'
60% + - 1 Water Bar Every 100'

The water bar shall consist of a diagonal ditch across the three (3) foot wide mineral soil portion of the fireline, but not in excess of the following guidelines. The water bar shall be approximately six (6) inches to ten (10) inches deep and approximately five (5) feet long.

PRESCRIBED BURNING, MOP-UP AND PATROL

1. Unit 1 (Broadcast Burn)

One (1) Work leader (Firefighter Type 1 (FFT1)) qualified to supervise crew and equipment operators and to serve as Purchaser's representative.

Fourteen (14) person crew (Firefighter Type 2 (FFT2)) qualified for burning preparation, ignition, holding and mop-up operations with hand tools on the day of ignition.

Ten (10) person crew (Firefighter Type 2 (FFT2)) qualified for mop-up operations with hand tools.

Two (2) people (Firefighter Type 2 (FFT2)) qualified for patrol equipped with a pick-up truck and two-way radio communications capable of contacting a BLM representative within 15 minutes.

Two (2) backpack pumps.

Two (2) pressure pumps each capable of delivering water at a rate of 25 GPM at 250 PSI pressure through a 50-ft. section of 1½-inch hose and ¼-inch nozzle (Pacific Mark III or equivalent). Each pump shall come supplied with 10 gallons of fuel.

One (1) volume pump, minimum of 300 GPM capacity, with 5 gallons of pump fuel.

Eight (8) drip torches with 75 gallons of slash fuel (4:1 ratio of diesel to gasoline).

One (1) chain saw with fuel.

Two (2) fold-a-tanks each of 1,000-gallon capacity or larger.

Five thousand (5,000) ft. of 1½" hose.

Two thousand five hundred (2,500) ft. of 1" hose.

Twenty-five (25) nozzles (combination of fog, stream, and shut off).

Twenty-five (25) gated wyes for 1½" hose.

Twenty-five (25) 1½" - 1" reducers.

One (1) engine of five hundred (500) gallon capacity. Engines shall comply with all Oregon State Department of Motor Vehicle regulations, be filled with water and equipped with an operator and the following:

One (1) mounted pressure pump for discharging via a 1½" inch hose system capable of delivering water at a rate of 20 GPM at 120 PSI pressure through a fifty (50) foot section of 1½" hose and a ¼" nozzle.

Five hundred (500) feet of hose and a shut-off nozzle. Two hundred fifty (250) feet of the hose must be mounted on a live reel.

All 1½" hose and fittings shall be compatible with National Standard Thread (NH). All 1" hose and fittings shall be compatible with Iron Pipe Thread (NPSH). If adapters are used, sufficient quantities will be present to provide spares.

One (1) nurse tanker of three thousand (3,000) gallon capacity, with operator, or equivalent in smaller engines. Tankers and/or engines shall comply with all Oregon State Department of Motor Vehicle regulations, be filled with water and each equipped with a dump valve and discharge hose of at least 3" diameter and 10-foot long for filling fold-a-tanks.

2. Unit 2 (Machine & Hand Piles)

One (1) Work leader (Firefighter Type 1 (FFT1)) to supervise crew and to serve as Purchaser's representative.

Five (5) person crew (Firefighter Type 2 (FFT2)) for ignition of landing, machine, and hand piles.

Six (6) drip torches with thirty-six (36) gallons of slash fuel.
(4:1 ratio of diesel to gasoline).

Aluma-gel or other incendiary device.

One (1) chain saw with fuel.

One (1) hand tool per above listed personnel on the day of ignition.

3. 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.

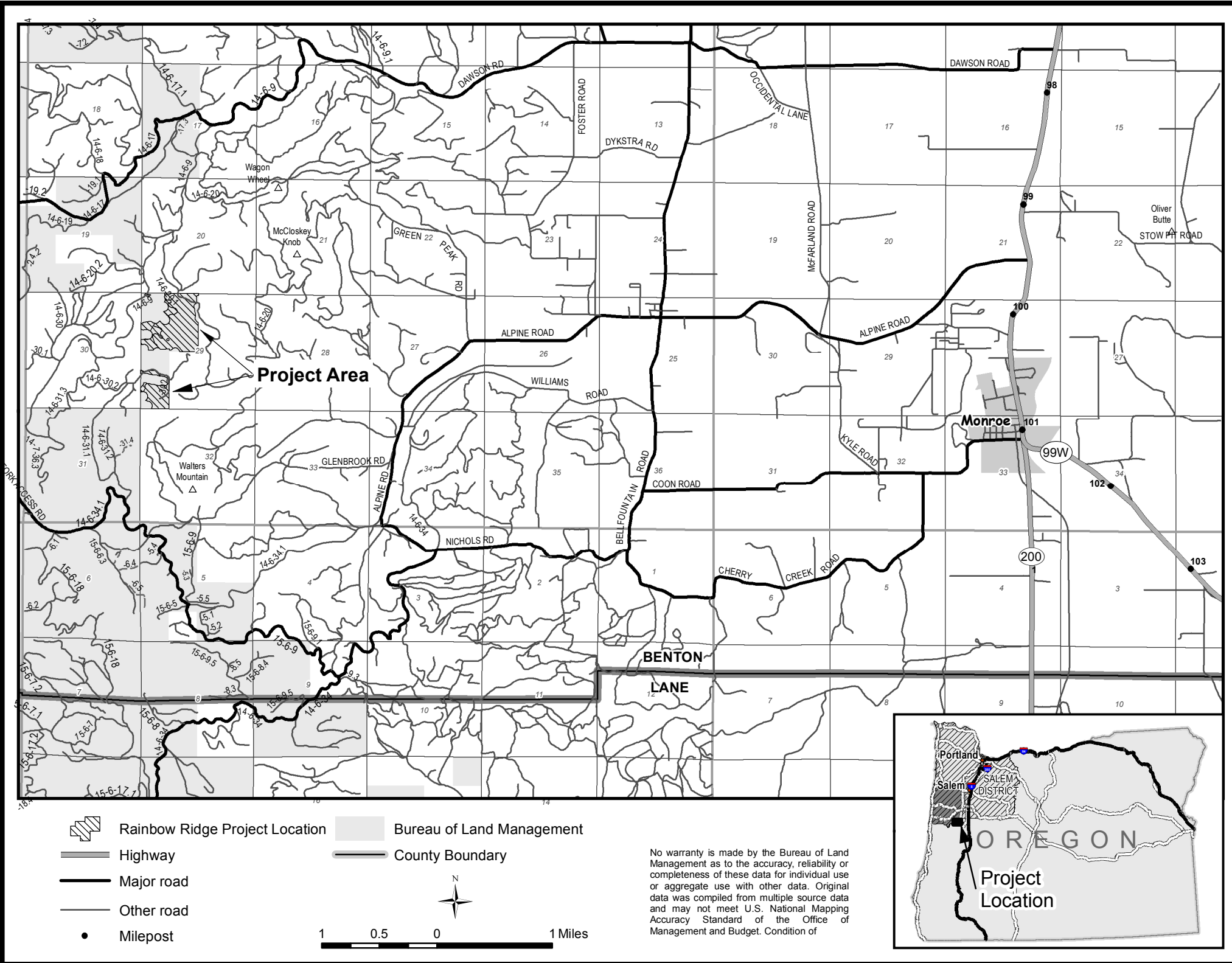
All listed tools and equipment shall be in good usable condition. All power-driven equipment shall be fully fueled and available for immediate use. During periods of use under this subsection, the Purchaser shall provide fuel and maintenance for all such power-driven equipment.

Except as provided hereafter for prescribed fire escapement, the Purchaser shall continue the required assistance in mop-up on Unit 1 described above for five (5) full eight (8) hour days for a total of forty (40) hours with a ten (10) person crew as directed by the Authorized Officer within a seven (7) day period commencing at 8:00 a.m. the day following completion of ignition in that unit or until released from such services by the Government, whichever occurs first. Additionally, the Purchaser shall patrol Unit 1 for two (2) full eight (8) hour days for a total of sixteen hours following the completion of mop-up as directed by the Authorized Officer.

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 site preparation work and/or the use of additional personnel and equipment to accomplish the planned burn, the Purchaser also shall be responsible for such additional costs



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

Salem
Rainbow Ridge
ORS05-TS-2015.0302

Legal Description

Forest Type	Township	Range	Section	Subdivision
O&C	14S	6W	29	NW1/4, W1/2 SW1/4

Cutting Volume (16' MBF)

Unit	DF	WH	RA	BLM					Total	Regen	Partial	ROW
1	7,090	27	16	7					7,140	81	0	0
2	688								688	0	30	0
RW3	263								263	0	0	2
RW4	85								85	0	0	2
Totals	8,126	27	16	7					8,176	81	30	4

Logging Costs per 16' MBF

Stump to Truck	\$ 147.12
Transportation	\$ 56.10
Road Construction	\$ 30.29
Road Amortization	\$ 1.43
Road Maintenance	\$ 9.44

Other Allowances :

Equipment Washing	\$ 0.02
Grass Seeding	\$ 0.04
Landing Clean-up	\$ 0.15
Misc	\$ 4.07
Piling	\$ 0.39
Slash Pullback	\$ 0.11
Slashing	\$ 0.92
Water Bars/ Berms	\$ 0.03
Total Other Allowances :	\$ 5.73

Total Logging Costs per 16' MBF

\$ 250.11

Utilization Centers

Center #1 : Eugene 33 Miles
Center #2 0 Miles
Weighted distance to Utilization Centers 33

Length of Contract

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

Profit & Risk

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

Tract Features

Avg Log	Douglas-fir : 77 bf	All : 77 bf
Recovery	Douglas-fir : 96 %	All : 96 %
Salvage	Douglas-fir : 16 %	All : 0 %
Avg Volume (16' MBF per Acre)		71
Avg Yarding Slope		45 %
Avg Yarding Distance (feet)		338
Avg Age		60
Volume Cable		83 %
Volume Ground		17 %
Volume Aerial		0 %
Road Construction Stations		50.82
Road Improvement Stations		0.00
Road Renovation Stations		145.20
Road Decommission Stations		0.00

Cruise

Cruised By	Kevin Foster
Date	10/01/2014
Type of Cruise	Variable Plot, 3P
County, State	Benton, OR

Net Volume

Green (16' MBF)	8,176
Salvage (16' MBF)	0
Douglas-fir Peeler	0
Export Volume	0
Scaling Allowance (\$0.00 per 16' MBF)	\$0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Salem
Rainbow Ridge
ORS05-TS-2015.0302

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	18,507	8,126	\$ 513.32	\$ 56.46	\$ 250.11			\$ 206.70	\$ 1,679,644.20
WH	40	27	\$ 394.71	\$ 43.42	\$ 250.11			\$ 101.20	\$ 2,732.40
RA	97	16	\$ 469.46	\$ 51.64	\$ 250.11			\$ 167.70	\$ 2,683.20
BLM	33	7	\$ 414.62	\$ 45.61	\$ 250.11			\$ 118.90	\$ 832.30
Totals	18,677	8,176							\$ 1,685,892.10

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				75.0	22.0	3.0
Western Hemlock				77.0	23.0	
Bigleaf Maple				87.0	13.0	
Red Alder				69.0	31.0	

Marginal Log Volume

Species	Grade #7	Grade #8
Douglas-fir		
Western Hemlock		
Bigleaf Maple		
Red Alder		

Appraised By : Foster, Kevin

Date : 03/02/2015

Area Approval By :

Date :

District Approval By :

Date :

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

Salem
Rainbow Ridge
ORS05-TS-2015.0302

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	18,507	8,126	6,627	
Western Hemlock	40	27	21	
Red Alder	97	16	12	
Bigleaf Maple	33	7	7	
Total	18,677	8,176	6,667	

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
8,499	18,677	455	17.7	8,494	110,225	77

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
110,225	283	110,508	5.9	8,176	8,499	96 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
8,441	18,507	456	17.7	8,440	109,504	77

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
109,504	176	109,680	5.9	8,126	8,441	96 %

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1	81			81
2		30		30
RW3			2	2
RW4			2	2
Totals :	81	30	4	115