

PROSPECTUS



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Springfield Interagency Office, Northwest Oregon District
3106 Pierce Parkway Suite E, Springfield, Oregon 97477
<http://www.blm.gov>

August 15, 2018

Parcel No. 1
Eugene Master Unit
Contract No. ORN05-TS18-513
Upper Willamette Field Office

Pedal Power - SBA Set-Aside Sale

TIMBER SALE NOTICE

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 his representative, at the **NORTHWEST OREGON DISTRICT'S SPRINGFIELD INTERAGENCY OFFICE, 3106 PIERCE PARKWAY, SPRINGFIELD, OREGON**. The timber sale will commence at 10:00 a.m. on Thursday, **September 13, 2018**.

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 Register-Guard newspaper on or about **August 15, 2018**. BLM does not warrant publication on this exact date. All parties considering protest of the timber sale decision document are encouraged to review the aforementioned newspaper to ensure accurate knowledge of the exact publication date.

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

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 the bid deposit with a self-certification statement that the bidder 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 the timber sale contract is signed. Section 2(a) of Form 723 requires that successful bidders on SBA set-aside tracts must comply with delivery requirements pertaining to timber 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.

THE SUCCESSFUL BIDDER, as a condition of award, will be required to complete and/or sign the following forms:

1. Form 5430-11, a certification that the bid was arrived at by the bidder or offerer independently, and was tendered without collusion with any other bidder or offerer.
2. Form 5450-17, Export Determination.

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, not responsible or refuses to respond within 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.

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, but the amount of the bond shall not be in excess of \$500,000, except when the Purchaser opts to increase the minimum bond as provided in 43 CFR 5451.2. A minimum performance bond of not less than \$500 will be required for all installment contracts less than \$2,500.

INSTALLMENT PAYMENTS may be authorized for sales of \$500 or more. Required installments will be determined by BLM. For sales under \$500,000, installments will not be less than 10% of the total purchase price. For sales of \$500,000 or more, installment payments shall be \$50,000.

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 5424, as amended.

LOG EXPORT AND SUBSTITUTION RESTRICTIONS. Excepting Port-Orford-cedar, all timber offered for sale hereunder is restricted from export from the United States in the form of unprocessed timber and is prohibited from being used as a substitute for exported private timber. The BLM has revised the log export restrictions special provision to reduce the log branding and painting requirements. The new requirements include branding of one end of all logs with a scaling diameter of over 10 inches. All loads of 11 logs or more, regardless of the diameter of the logs, will have a minimum of 10 logs branded on one end. All logs will be branded on loads of 10 logs or less. One end of all branded logs will be marked with yellow paint. At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. The Purchaser shall bear any increased costs for log branding and painting.

ADDITIONAL INFORMATION concerning each timber sale tract described herein is available at the above District Office. A copy of the timber sale contract is also available for inspection at the District Office. This prospectus includes maps and tables that cannot be made Section 508 compliant. For help with its data or information, please contact the Northwest Oregon District's Springfield Interagency Office at (541) 683-6798.

THE VOLUMES LISTED herein are estimates only, based on 16-foot taper breaks, which must be taken into consideration if comparisons are made with volume predictions based on other standards. The volumes based on 32-foot taper breaks are shown for comparison purposes. No sale shall be made for less than the total purchase price, without regard to the amount bid per unit, even though quantity of timber actually cut or removed or designated for taking is more or less than the estimated volume or quantity so listed.

AN ENVIRONMENTAL ASSESSMENT was prepared for this sale, and a Finding of No Significant Impact has been documented. These documents are available for inspection as background for this sale at the Northwest Oregon District's Springfield Interagency Office.

ACCESS to a sale may be through a locked gate (see individual sale information). Prospective bidders may obtain a key from the Northwest Oregon District's Springfield Interagency Office. Any other persons interested in visiting the timber sale site should first contact the office at (541) 683-6600.

Attachments:

- Form 5440-9
- Form 5430-11
- Form 5450-17
- Form 5450-22
- Form 5430-1
- SBA Form 723

NORTHWEST OREGON DISTRICT
UPPER WILLAMETTE FIELD OFFICE

**TIMBER SALE NOTICE
LUMP SUM
EUGENE MASTER UNIT
SBA SALE**

PARCEL NO.: 1
SALE DATE: September 13, 2018

Contract No.: ORN05-TS18-513, Pedal Power
Lane County, Oregon: O&C: Oral Auction

Bid Deposit Required: \$ 141,800.00

All timber designated for cutting on S1/2SW1/4 Section 31, T. 17 S., R. 1 W.,
Lots 2-4, SW1/4NW1/4 Section 1, T. 18 S., R. 2 W., Will. Mer.

| Estimated Volume 32' Log (MBF) | Species | Estimated Volume 16' Log (MBF) | Appraised Price Per MBF | Estimated Volume Times Approx. Price |
|-----------------------------------|------------------|-----------------------------------|----------------------------|---|
| 2,469 | Douglas-fir | 2,941 | \$418.00 | \$1,229,338.00 |
| 393 | Grand fir | 477 | \$260.90 | \$124,449.30 |
| 80 | Bigleaf maple | 95 | \$97.20 | \$9,234.00 |
| 57 | Incense-cedar | 73 | \$345.40 | \$25,214.20 |
| 43 | Western hemlock | 51 | \$265.80 | \$13,555.80 |
| 16 | Western redcedar | 20 | \$764.20 | \$15,284.00 |
| 3,058 | Totals | 3,657 | | \$1,417,075.30 |

APPRAISED PRICES are calculated by determining market value through the analytical appraisal method. The minimum bid increment will be \$0.10 per MBF or multiples thereof.

LOG EXPORT RESTRICTIONS: 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.

NOTE: The volume for this timber sale has been calculated using 16 foot eastside Scribner rules, and the 32 foot log volumes are estimates derived from the 16 foot volumes.

CRUISE INFORMATION: Volume for all Douglas-fir, grand fir, western redcedar, big leaf maple, western hemlock and incense-cedar in the Regeneration Harvest Area was variable plot cruised. Plot data is then used to calculate v-bar and basal area per acre using the **National Cruise Processing Program**. The basal area in the Regeneration Harvest Area was determined with a Relaskop using a 40 BAF and a total of 174 plots; 170 sample trees were randomly selected on these plots to determine v-bar. All right-of-way volume was 100% cruised. A map showing the location of the sample trees is available at the Springfield Interagency Office.

With respect to merchantable Douglas-fir (sample) trees: The average tree is 17.2" DBHOB; the average log contains 78 bd. ft.; the total gross merchantable volume is approximately 3,063 MBF; and 96% recovery is expected.

CUTTING AREA: Approximately 90 acres must be regeneration harvested and approximately 2 acres of right-of-way must be clearcut.

ACCESS: Access to the sale is provided by:

1. A public road;
2. BLM existing roads;
3. BLM roads to be constructed.

ROAD MAINTENANCE: The Purchaser shall pay to the BLM a rockwear fee of \$2,585.36. See the Exhibit D map for specifications of road maintenance responsibility. Only the map page of the Exhibit D is included in the Prospectus. Refer to the contract file for the full Exhibit D.

In addition to the quantities shown below, 150 cubic yards (truck measure) of maintenance rock (gradation to be determined by Authorized Officer) is required. Additional road reinforcement (rocking) may be required for wet weather haul and will be at the Purchaser's expense.

ROAD CONSTRUCTION:

Spurs A, C, E, and E1.

Length: 21.53 Stations

Class: SN-16

Special Requirements: Operations limited to periods of dry weather. Culvert replacement on streams shall be done between June 1 and October 31 (both days inclusive). Purchaser shall fabricate and install a gate on Spur A.

ROAD RENOVATION:

Road Nos. 18-2-1 Segs. A & B, and 18-2-1.1

Length: 102.53 Stations

Class: SN-16

Special Requirements: Culvert replacement on streams shall be done between June 1 and October 31 (both days inclusive). Purchaser shall fabricate and install a gate on Road No. 18-2-1.1. Purchaser shall sand and paint the gate on Road No. 18-2-1.

ROAD IMPROVEMENT:

Road No. 18-2-1 Seg. C

Length: 29.65 Stations

Class: SN-16

Special Requirements: Operations limited to periods of dry weather.

Rock Source: Commercial – Springfield Vicinity

Estimated Rock Quantities (CY truck measure)

| <u>3/4" Minus</u> | <u>1-1/2" Minus</u> | <u>3" Minus</u> | <u>6" Minus</u> |
|-------------------|---------------------|-----------------|-----------------|
| 450 | 3,318 | 4,077 | 99 |

CULVERTS:

| <u>Diameter:</u> | <u>Length:</u> | <u>Number:</u> |
|------------------|----------------|----------------|
| 18" | 640' | 19 |
| 24" | 80' | 2 |
| 30" | 80' | 2 |
| 36" | 40' | 1 |

Total Estimated Exhibit C Road Costs (construction, renovation, and improvement): \$228,582.17

ROAD DECOMMISSIONING:

Spur C and 18-2-1 Seg. C

Barriers: 2

Estimated Cost of Decommissioning: \$1,162.33

Special Requirements in Road Decommissioning: Operations limited to periods of dry weather. Purchaser shall waterbar Road No. 18-2-1 Segment C.

DURATION OF CONTRACT: Duration of the contract will be **24 months** for cutting and removal of timber.

SPECIAL PROVISIONS: The contract will contain special provisions regarding road construction, road renovation, road improvement, road maintenance, logging methods, prevention of erosion, logging residue reduction, snag creation, and submission of a written logging plan specifying landing locations and logging schedule.

Under Sec. 26 of the timber sale contract, ground-based logging and mechanized felling will be prohibited during periods of excessive soil moisture. This will normally limit ground-based logging and mechanized felling to July, August, and September.

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

OTHER SPECIAL REQUIREMENTS:

1. **In Section 1, at the terminus of Road No. 18-2-1.1, timber affected by target shooting bullets has been addressed and accounted for in the final cruise report. Severe areas were sampled and trees with signs of bullet holes were defected.**
2. No felling, yarding, or loading is permitted in or through the Reserve Area.
3. All trees within the posted and painted Special Right-of-Way of Spur A shall be cut and decked along the Right-of-Way boundary and shall be retained on site.
4. Trees marked with pink paint and a "W" are wildlife trees and shall be left on site if felled for safety or operational reasons.
5. The Purchaser shall be required to clean logging, road, decommissioning, and slash piling equipment prior to entry on BLM lands.
6. Notification and coordination with Springfield Utility Board (541-746-8451) shall be required prior to the commencement of harvest operations along the western property boundary.
7. In the use of BPA Transmission Right-of-Way, the Purchaser shall comply with the following conditions:
 - (aa) Prior to the start of all cutting and yarding operations, the Purchaser shall contact and meet with a BPA representative and the Authorized Officer.
 - (bb) Keep passage open to at least one vehicle width on all BPA access roads to allow for maintenance of powerlines, as determined by the Authorized Officer.
 - (cc) No log decking, storage of logs, storage and transportation of flammable materials, or fueling of vehicles shall occur within the BPA Transmission Right-of-Way.
 - (dd) No loading of log trucks shall be allowed within the BPA Transmission Right-of-Way. All equipment, including log trucks, shall not be loaded to a height greater than 14 feet above the road bed when traveling under the powerlines.
8. Prior to removal of any timber over Spur A and Road No. 18-2-1.1, except right-of-way timber, the installation of two gates is required. Additionally, the gate at mile post 0.10 on Road No. 18-2-1 shall be sanded and painted.
9. Road No. 18-2-1 provides access for adjacent landowners to their properties and is a public road. It shall remain clear of trees, rocks, dirt, and other debris where it passes through T. 18 S., R. 2 W., Section 1. Flaggers will be required during active timber falling and yarding operations within two tree-lengths of Road No. 18-2-1 where it passes through Section 1, and the road will only be blocked for up to 20 minutes at a time.
10. During culvert installations and replacements the Purchaser shall keep Road No. 18-2-1 open from 5:00 pm to 7:00 am to allow access to homes. The Purchaser shall coordinate closures with homeowners prior to culvert installation/replacement.
11. Dust abatement (watering) is required near residences on Road No. 18-2-1 Segs. A and B, in accordance with specifications listed in the Exhibit D.
12. Skyline logging with hand-felling is required in the Special Yarding Area shown on Exhibit A.
13. The Purchaser shall provide a map of requested skyline and skid trail locations a minimum of seven (7) working days in advance of cutting to obtain approval of the locations from the Authorized Officer.
14. Felling may be done with specialized ground based equipment (feller-buncher) on slopes up to 50% during periods of dry weather (typically July 1 to September 30).
15. No tailhold or guyline agreements exist with the adjacent private landowners. Purchaser must tailhold and guyback within BLM property.
16. Upon completion of yarding, Purchaser shall create snags out of 90 reserve trees by topping or girdling.
17. The Purchaser shall pile and cover all slash within 25 feet of Spurs A, E, and E1, and Road Nos. 18-2-1 and 18-2-1.1, and machine and hand pile slash within the Regeneration Harvest Area as directed by the Authorized Officer.
18. At the completion of yarding, the Purchaser shall decompact the entire skid trail prism to a depth of 18 inches with decompaction equipment.
19. Whole tree yarding, or yarding with tops attached, will be required, unless directed otherwise by the Authorized Officer.
20. In accordance with Section 14 of this contract, privately owned fences shall be protected and any damage will be the responsibility of the Purchaser.
21. The Purchaser shall be required to spread BLM-provided seed and mulch at culverts and designated areas.
22. The Purchaser will be required to file a Notification of Operations with the Oregon Department of Forestry office for all harvest operations and road construction, renovation, and improvement on BLM lands.

OPTIONAL CONTRIBUTION: The Purchaser will have the option of performing pile burning and mop-up or contributing \$5,298.30 in lieu thereof. The option must be declared prior to contract execution. Piling and covering are not included in the Optional Contribution and will remain the responsibility of the Purchaser.

NARRATIVE DESCRIPTION OF HOW TO GET TO SALE AREA:

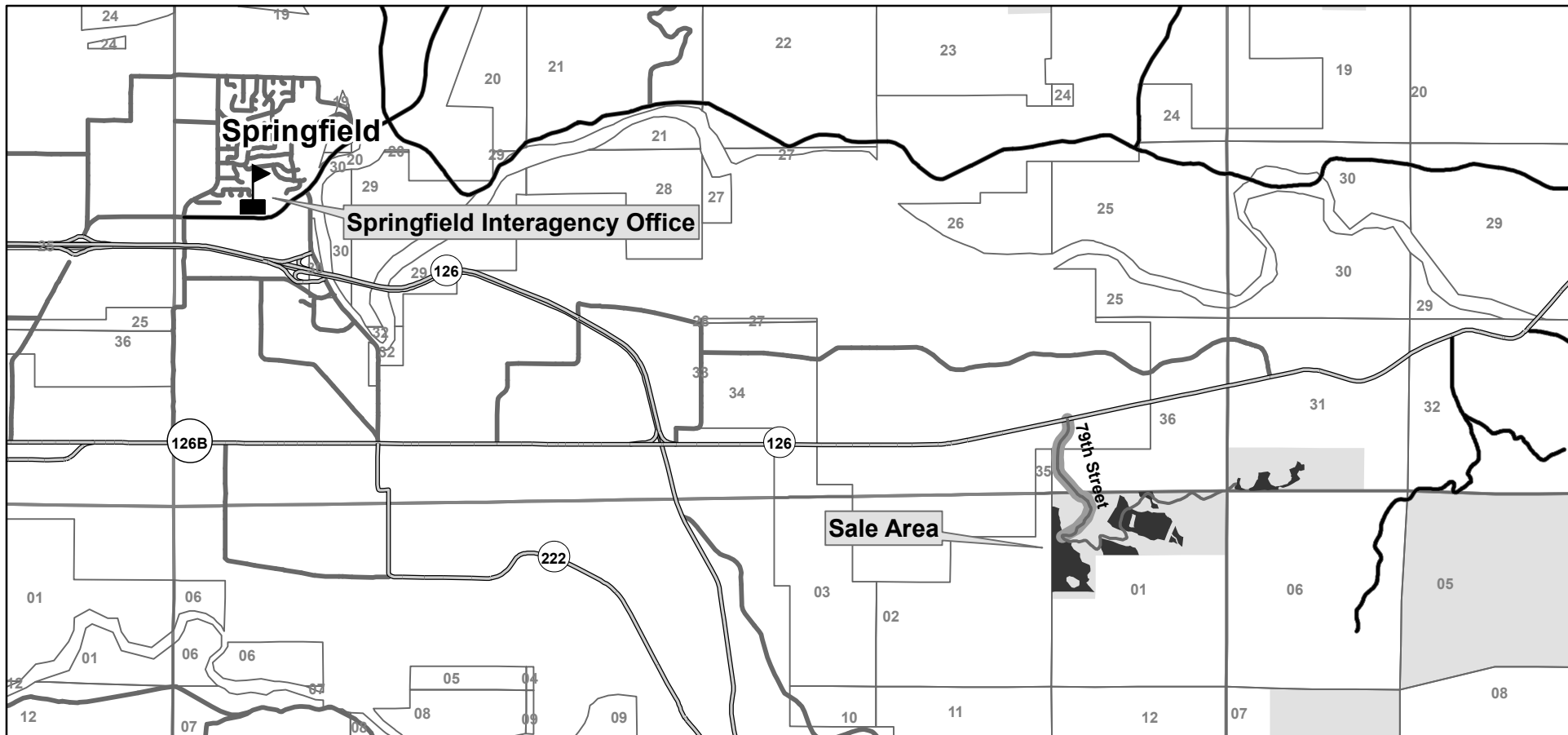
To Regeneration Harvest Area: From Springfield, proceed east on Highway 126 for approximately 1 mile and turn south onto S. 79th Street. There is a gate on BLM land that is open. In the event that it is closed, there are no locks on the gate and prospective bidders may continue to the sale area. Follow the timber sale signs south for approximately 0.5 mile to the sale area.



Timber Sale Location Map

Sale Name: Pedal Power

T. 17 S., R. 1 W., Sec. 31, T. 18 S., R. 2 W., Sec 1 WILL. MER., NORTHWEST OREGON DISTRICT, UPPER WILLAMETTE FIELD OFFICE

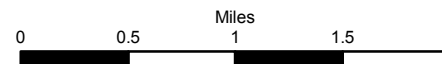


Travel Route Regeneration Harvest Area Bureau of Land Management

NARRATIVE DESCRIPTION OF HOW TO GET TO SALE AREA:

To Regeneration Harvest Area: From Springfield, proceed east on Highway 126 for approximately 1 mile and turn south onto S. 79th St. There is a gate on BLM land that is open. In the event that it is closed, there are no locks on the gate and prospective bidders may continue to the sale area. Follow the timber sale signs south for approximately 0.5 mile to the sale area.

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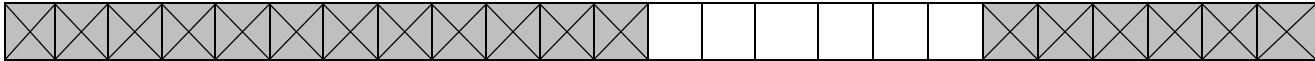



4/23/2018

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Bureau of Land Management
Oregon State Office
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Portland, Oregon 97208-2965

Seasonal Restriction Matrix

Restricted Periods are Shaded and X'd

| | Jan | | Feb | | Mar | | Apr | | May | | June | | July | | Aug | | Sept | | Oct | | Nov | | Dec | |
|---|-----|----|-----|----|-----|----|-----|----|-----|----|------|----|------|----|-----|----|------|----|-----|----|-----|----|-----|----|
| | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 | 1 | 15 |
| Road Construction, Improvement of Road No. 18-2-1 Segment C, Decommissioning, Mechanized Felling, and Ground-based Yarding | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> October 1 – June 30 May vary due to weather conditions; soil moisture overrides weather conditions. | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | |
| Stream Culvert Installation and Replacement | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> November 1 – May 31, both days inclusive. | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | |

NOTE: This chart is for informational purposes only. Refer to Section 42 Special Provisions of the timber sale contract for exact date restrictions and specifications. Subject to transient winter snow, elevation ranges from 1000-1500 feet.

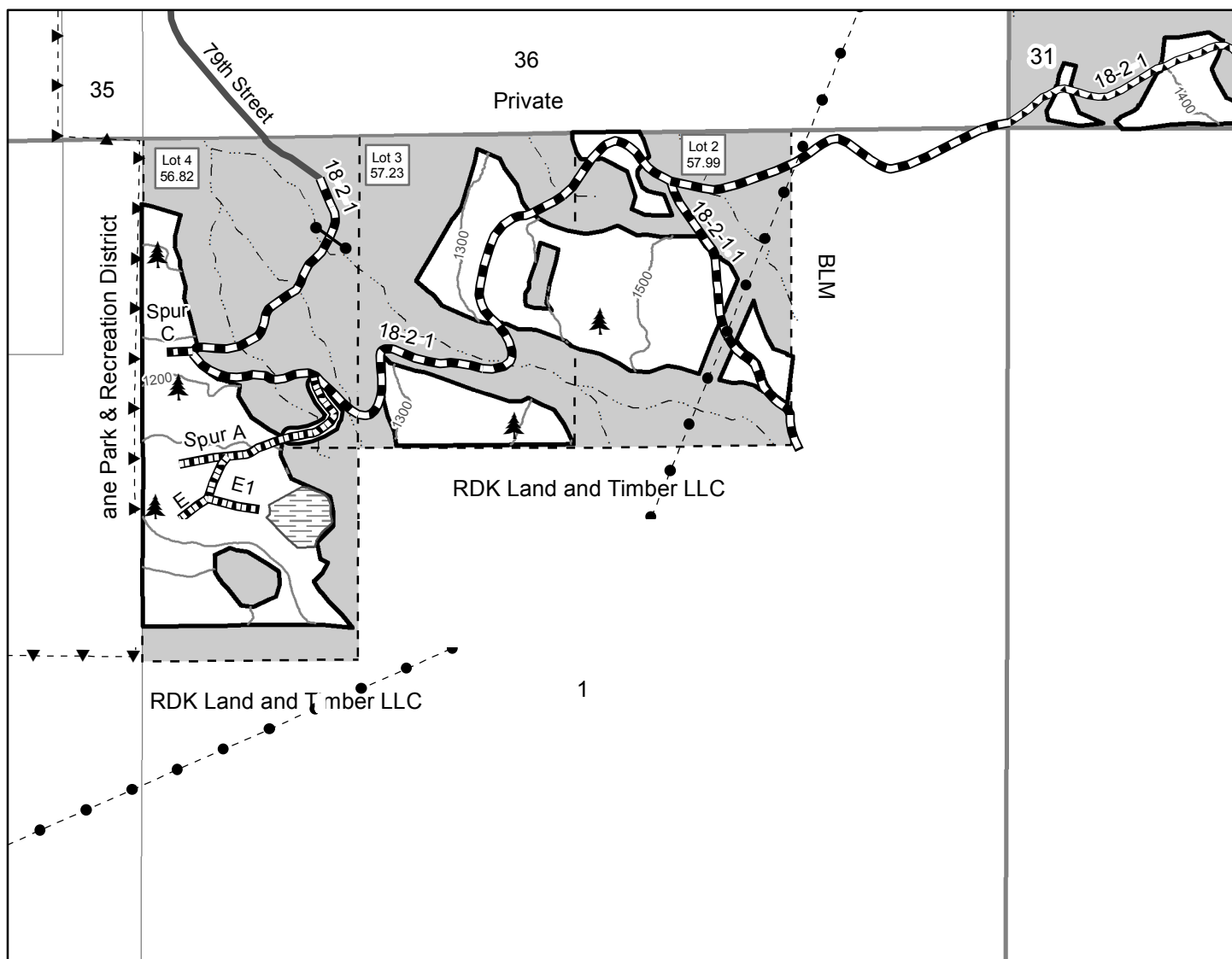
**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**
















EXHIBIT A

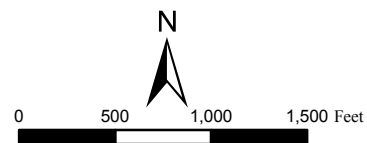
Sheet 1 of 2

PEDAL POWER TIMBER SALE CONTRACT NO. ORN05-TS18-513

T. 18 S., R. 2 W., SEC. 1, WILL. MER., NORTHWEST OREGON DISTRICT



- | | | | |
|---|---|---|---|
|  | Boundary of Cutting Area - Posted, Painted |  | Construction |
|  | Regeneration Harvest Area |  | Improvement |
|  | Special Yarding Area |  | Renovation |
|  | Contract Area |  | Paved Road |
|  | Reserve Area |  | Stream |
|  | Special Right-of-Way Area |  | BPA Transmission Right-of-Way |
|  | Gate |  | SUB Utility Right-of-Way |
| | |  | Approximate Location of Wildlife Trees |



| | |
|-------------------------|---------------------|
| TOTAL FOR SECTION 1 | |
| HARVEST AREA | 79.00 |
| RIGHT-OF-WAY (CLEARCUT) | 2.00 |
| RESERVE AREA | 131.04 |
| CONTRACT AREA | <u>212.04 Acres</u> |

| | |
|---------------------------------|---------------|
| GRAND TOTAL FOR SECTIONS 1 & 31 | |
| HARVEST AREA | 90.00 |
| RIGHT-OF-WAY (CLEARCUT) | 2.00 |
| RESERVE AREA | <u>205.62</u> |
| CONTRACT AREA | 297.62 Acres |

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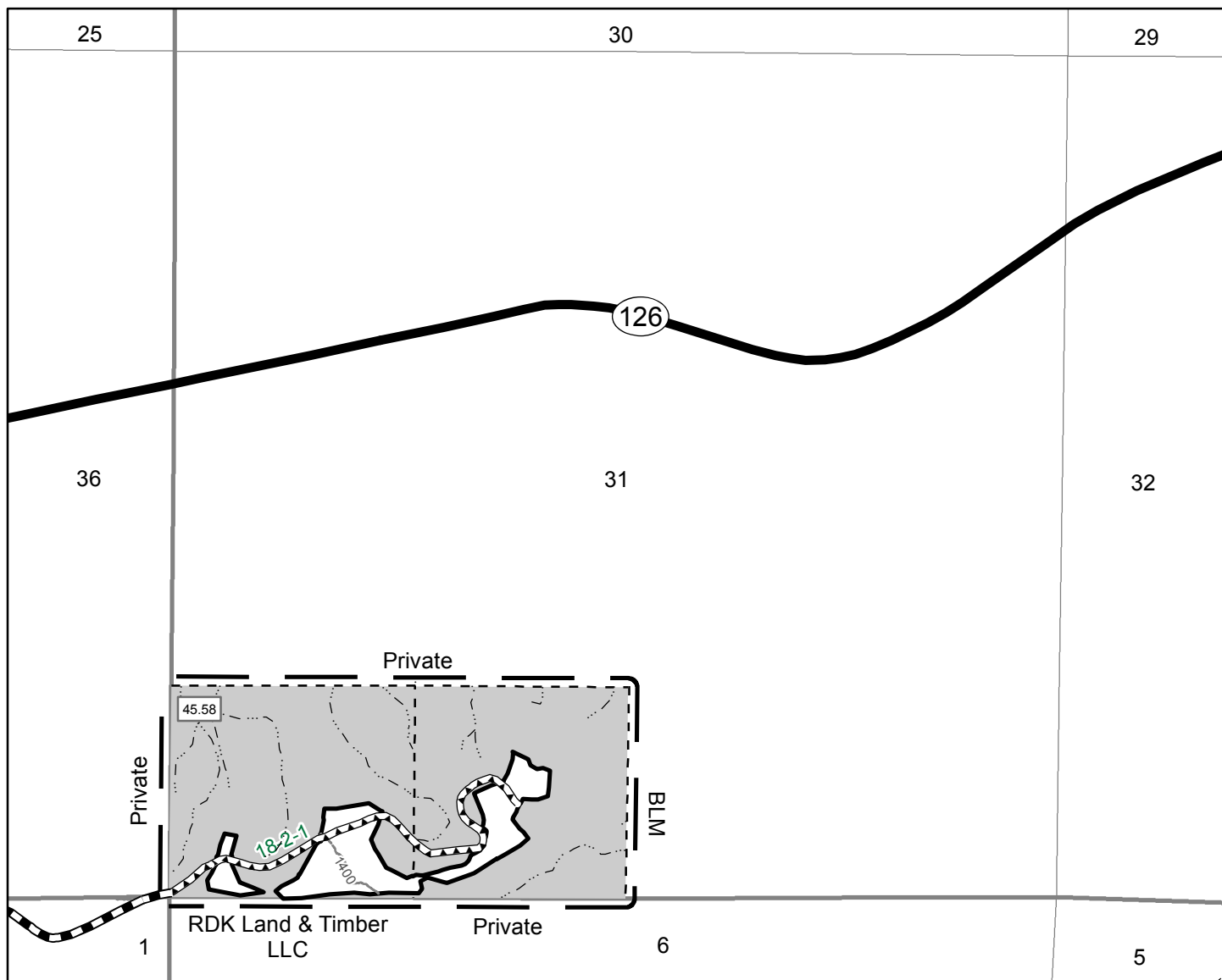


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EXHIBIT A

Sheet 2 of 2

PEDAL POWER TIMBER SALE CONTRACT NO. ORN05-TS18-513
T. 17 S., R. 1 W., SEC. 31, WILL. MER., NORTHWEST OREGON DISTRICT



- Boundary of Cutting Area - Posted, Painted
- Regeneration Harvest Area
- Contract Area
- Reserve Area
- Improvement
- Renovation
- State Highway
- Stream



0 500 1,000 1,500 Feet

| | |
|----------------------|-------------|
| TOTAL FOR SECTION 31 | |
| HARVEST AREA | 11.00 |
| RESERVE AREA | 74.58 |
| CONTRACT AREA | 85.58 Acres |

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ORN05-TS18-513
Pedal Power

LUMP SUM SALE

| SPECIES | ESTIMATED VOLUME OR QUANTITY <i>(Units Specified)</i> | PRICE PER UNIT | AMOUNT OF ESTIMATED VOLUME OR QUANTITY X UNIT PRICE |
|------------------|--|----------------|--|
| Douglas-fir | 2,941.0 MBF | | |
| Grand fir | 477.0 MBF | | |
| Bigleaf maple | 95.0 MBF | | |
| Incense-cedar | 73.0 MBF | | |
| Western hemlock | 51.0 MBF | | |
| Western redcedar | 20.0 MBF | | |
| TOTALS | 3,657.0 MBF | | |

| | |
|---|-------------------|
| <u>Regeneration Harvest Area – 90 Acres</u> | (39.9 MBF/Acre) |
| Douglas-fir | 2,887.0 MBF |
| Grand fir | 466.0 MBF |
| Bigleaf maple | 94.0 MBF |
| Incense-cedar | 72.0 MBF |
| Western hemlock | 51.0 MBF |
| Western redcedar | 17.0 MBF |
| | <hr/> 3,587.0 MBF |

| | |
|------------------------------------|-----------------|
| <u>Right-of-Way Area – 2 Acres</u> | (35.0 MBF/Acre) |
| Douglas-fir | 54.0 MBF |
| Grand fir | 11.0 MBF |
| Western redcedar | 3.0 MBF |
| Bigleaf maple | 1.0 MBF |
| Incense-cedar | 1.0 MBF |
| | <hr/> 70 MBF |

R. 02 W.

R. 01 W.

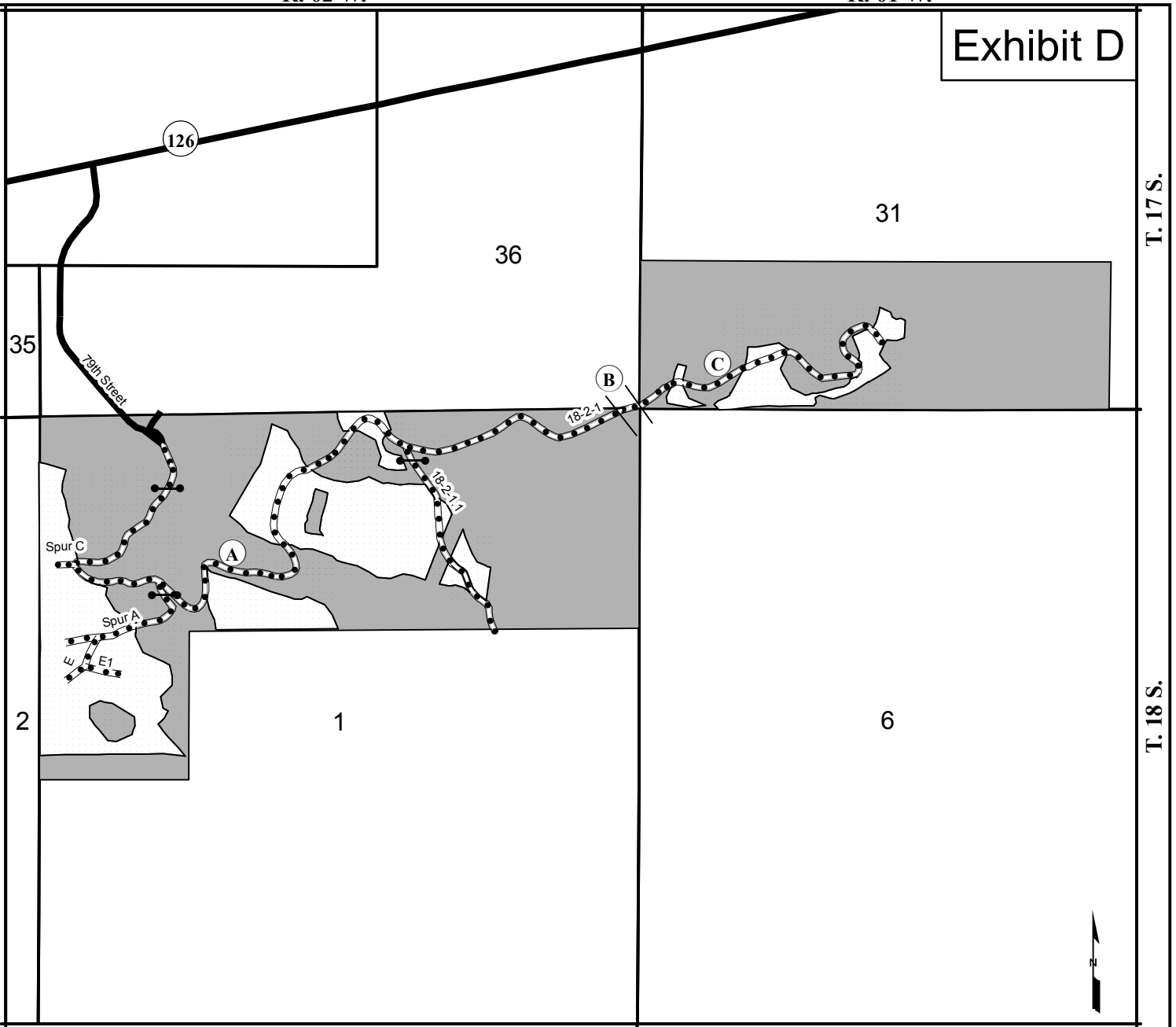
Exhibit D

T. 17 S.

T. 17 S.

T. 18 S.

T. 18 S.



SALE NAME: Pedal Power
 CONTRACT NO.: ORN05-TS18-513

- Gates
- Segment Breaks
- Ⓐ Segment Identifier
- Highway/County
- Purchaser Maintenance
- Regeneration Harvest Area

United States Department of the Interior
 Bureau of Land Management
 Northwest Oregon District Upper Willamette Field Office

Road Maintenance Map

T. 17 S., R. 1 W., Section 31

T. 18 S., R. 2 W., Section 1

Willamette Meridian
 Lane County, Oregon

Designed By: Jessica LeRoy
 Drawn By: Chrissy Cate
 Date: July 12, 2018
 No Scale

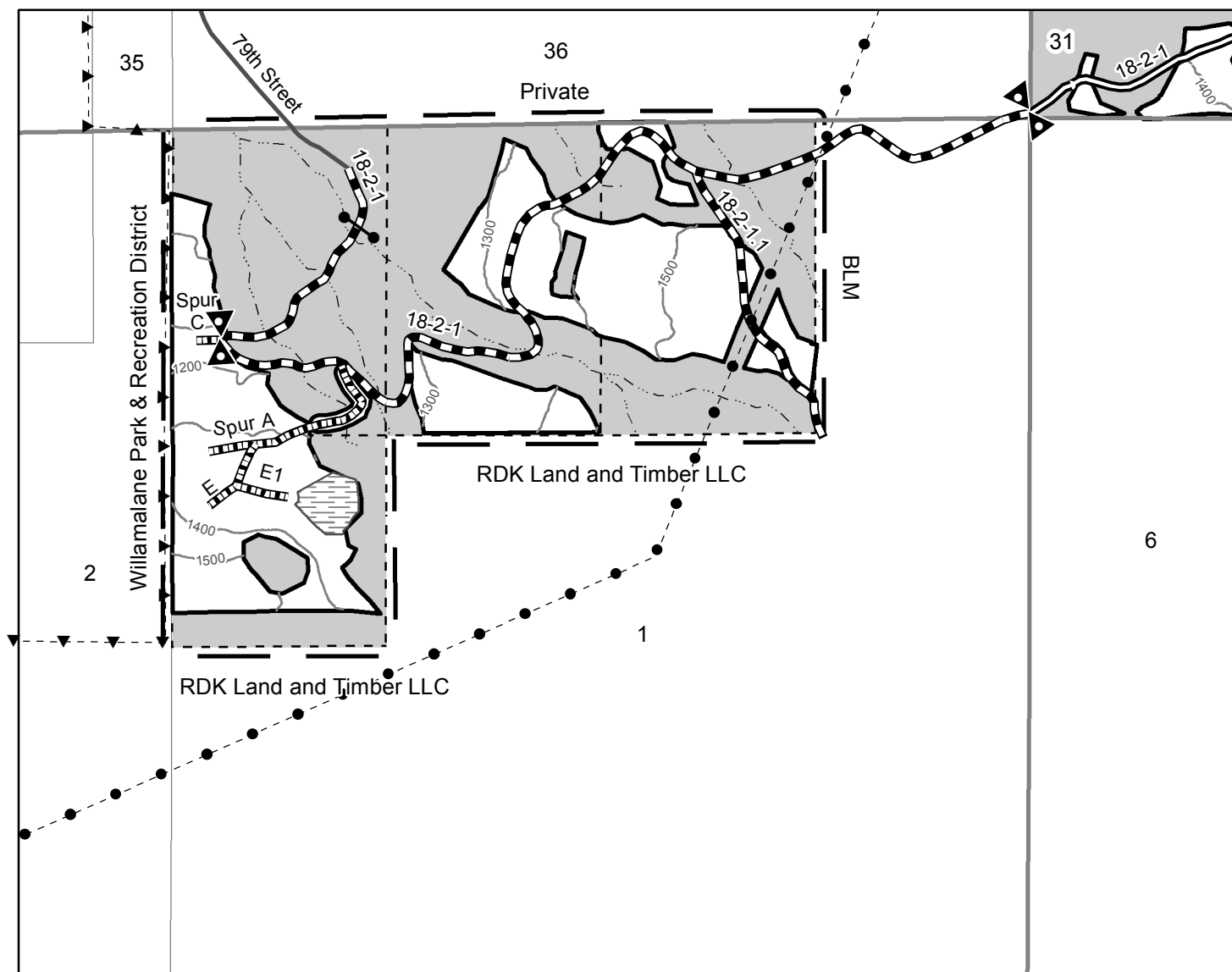
Sheet 5 of 5
















**UNITED STATES
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EXHIBIT G

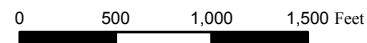
Sheet 1 of 2

PEDAL POWER TIMBER SALE CONTRACT NO. ORN05-TS18-513
T. 18 S., R. 2 W., SEC. 1, WILL. MER., NORTHWEST OREGON DISTRICT



- | | | | |
|--|---|---|-------------------------------|
|  | Road To Be Treated |  | Construction |
|  | Boundary of Cutting Area - Posted, Painted |  | Renovation |
|  | Regeneration Harvest Area |  | Paved Road |
|  | Special Yarding Area |  | Stream |
|  | Contract Area |  | BPA Transmission Right-of-Way |
|  | Reserve Area |  | SUB Utility Right-of-Way |
|  | Special Right-of-Way Area |  | Barrier |
| | |  | Gate |

Road Decommissioning



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Portland, Oregon 97208-2965

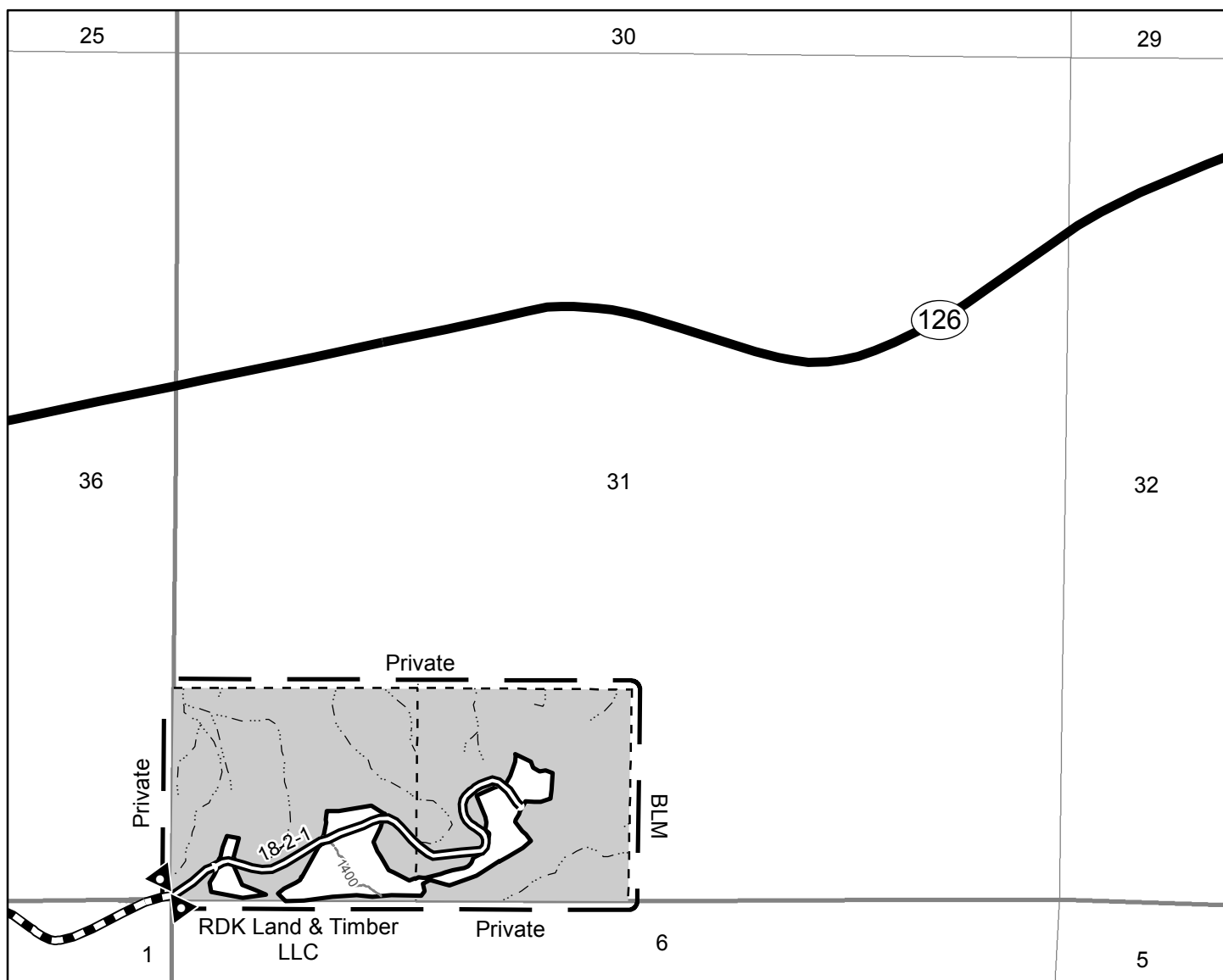
Date: 7/12/2018










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

EXHIBIT G

Sheet 2 of 2

PEDAL POWER TIMBER SALE CONTRACT NO. ORN05-TS18-513
T. 17 S., R. 1 W., SEC. 31, WILL. MER., NORTHWEST OREGON DISTRICT



- | | | | |
|--|---|---|---------------|
|  | Road To Be Treated |  | Renovation |
|  | Boundary of Cutting Area - Posted, Painted |  | State Highway |
|  | Regeneration Harvest Area |  | Stream |
|  | Contract Area | | |
|  | Reserve Area | | |
|  | Barrier | | |

Road Decommissioning



A horizontal scale bar with markings at 0, 500, 1,000, and 1,500 Feet.

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

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removal of personal property. Any improvements remaining on Government lands and rights-of-way at the end of the period for removal, or any extension, shall become the property of Government. Any equipment or other personal property remaining on Government

land and rights-of-way at the end of this period may be removed at the expense of Purchaser and disposed of in accordance with applicable law.

Sec. 41. Timber Reserved from Cutting - The following timber on this contract area is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of Government.

Contract No. ORN0

Parcel No.

THIS IS A SALE PROSPECTUS ONLY. ATTACHMENTS MAY NOT INCLUDE ALL EXHIBITS REFERRED TO IN THE CONTRACT PROVISIONS. THE COMPLETE CONTRACT, INCLUDING ALL EXHIBITS, IS AVAILABLE FOR INSPECTION AT THE NORTHWEST OREGON DISTRICT SPRINGFIELD INTERAGENCY OFFICE AT 3106 PIERCE PARKWAY, SPRINGFIELD, OREGON.

SALE DATE:

Sec. 42. Special Provisions - Purchaser shall comply with the special provisions which are attached hereto and made a part hereof unless otherwise authorized, in writing, by the Contracting Officer.

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the day first above written.

If Individual or Partnership, sign here:

If Corporation, sign here:

(Name of Firm)

(Name of Corporation)

(Signature)

(Signature)

(Address)

(Title)

(Signature)

UNITED STATES OF AMERICA

(Address)

By _____
(Signature)

(Signature)

(Title)

(Address)

(Date)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

(If Purchaser is a corporation, the following certificate must be executed by the Secretary or Assistant Secretary of the Corporation.)

I, _____, certify that I am the _____ Secretary of the corporation named as Purchaser herein; that _____, who signed the contract was then _____ of said corporation, that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Signature: _____

SEC. 41 - Timber Reserved From Cutting and/or Removal

- (a) All timber on the Reserve Areas shown on Exhibit A and all yellow painted and posted trees which are on or mark the boundaries of the Reserve Areas.
- (b) All timber within the posted and painted Right-of-Way of Spur A, shown as Special Right-of-Way Area on Exhibit A. Trees cut shall be decked along the Right-of-Way boundary.
- (c) All trees marked with yellow paint above and below stump height in the Regeneration Harvest Area shown on Exhibit A.
- (d) All trees marked with pink paint above and below stump height and marked with a "W" in the Approximate Location of Wildlife Trees shown on Exhibit A. Wildlife trees felled for safety and operational reasons shall remain on site. Where necessary for safety or operational reasons, Wildlife trees may be bucked into shorter lengths and/or moved within the unit as close to where felled as safely possible.
- (e) All down woody material greater than 20" diameter at the large end and greater than 20' in length and all downed wood of decay classes 3-5 in the Regeneration Harvest Area shown on Exhibit A. Decay classes are illustrated on Exhibit I, which is attached hereto and made a part hereof. Where necessary for safety or operational reasons, such down woody material may be bucked into shorter lengths and/or moved within the unit.
- (f) All snags in the Regeneration Harvest Area shown on Exhibit A which do not present a safety hazard or do not need removal for operational activities as determined by the Authorized Officer. All snags that are felled for safety and operational reasons shall remain on site. Where necessary for safety or operational reasons, snags may be bucked into shorter lengths and/or moved within the unit as close to where felled as safely possible.

SEC. 42 - Special Provisions

- (a) 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.

(b) Logging

- (1) Before beginning operations on the contract area for the first time, or after a shutdown of 14 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 14 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 10 or more days.
- (2) Prior to the commencement of operations, the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A pre-work conference between the Purchaser's authorized representative and the Authorized Officer's representative must be held at a location designated by the Authorized Officer before the logging plan will be approved. All logging shall be done in accordance with the plan.
- (3) In the use of the BPA Transmission Right-of-Way shown on Exhibit A, the Purchaser shall comply with the following conditions:
 - (aa) Prior to the start of all cutting and yarding operations, the Purchaser shall meet with BPA representatives and the Authorized Officer.
 - (bb) Keep passage open to at least one vehicle width on all BPA access roads to allow for maintenance of powerline as determined by the Authorized Officer.

- (cc) No log decking, storage of logs, storage and transportation of flammable materials, or fueling of vehicles shall occur within the BPA Transmission Right-of-Way.
- (dd) No loading of logging trucks shall be allowed within the BPA Transmission Right-of-Way. All equipment including logging trucks shall not be loaded to a height greater than 14 feet above the road bed when traveling under the power lines.
- (4) The Purchaser shall provide warning signs and flaggers in accordance with Section 29 of the contract to control traffic on Road No. 18-2-1, where it passes through the contract area in T. 18 S., R. 2 W., Section 1, as shown on Exhibit A, during active falling and yarding operations within two tree lengths of Road No. 18-2-1. Road No. 18-2-1 shall not be blocked by such operations for more than 20 minutes.
- (5) During logging operations, the Purchaser shall keep clear of trees, rock, dirt, and other debris so far as is practicable, the portion of Road No. 18-2-1, where it passes through the contract area in T. 18 S., R. 2 W., Section 1, as shown on Exhibit A.
- (6) No felling, yarding, or loading is permitted in or through the Reserve Areas shown on Exhibit A, except when felling or yarding in the Special Right-of-Way Area or as approved by the Authorized Officer.
- (7) In the Regeneration Harvest Area shown on Exhibit A, all trees designated for cutting shall be felled to the lead, whole tree yarded, or yarded with tops attached, unless otherwise approved by the Authorized Officer. Trees shall be directionally felled away from Reserve Areas, down woody material, and snags, except when necessary for safety or operational reasons.
- (8) In the Regeneration Harvest Area shown on Exhibit A, except for the Special Yarding Area, felling and yarding may be done with ground based equipment on slopes 35% or less. The equipment used and timing of harvest shall have prior approval of the Authorized Officer.
- (9) Mechanized felling and/or ground based yarding may occur when soil moisture content provides the most resistance to compaction as determined by the Authorized Officer. Typical dates are between July 1 and September 30.
- (10) Before felling and yarding any timber in areas to be yarded with ground-based equipment in the Regeneration Harvest Area shown on Exhibit A, the Purchaser shall locate and construct designated skid trails as follows:
 - (aa) Space designated skid trails at a minimum of 150 feet apart unless otherwise agreed to, in writing, by the Authorized Officer. Use existing skid trails where possible.
 - (bb) Limit the width of each skid trail to a maximum of 12 feet.
 - (cc) Skid trails shall be placed on the landscape to avoid disturbance to reserved trees, snags, down wood, and existing rootwads where feasible.
 - (dd) Mark the location of designated skid trails on the ground with fluorescent pink plastic flagging in consultation with the Authorized Officer.
- (11) In the Regeneration Harvest Area shown on Exhibit A, except for the Special Yarding Area, felling may be done with specialized ground based equipment (feller-buncher) on slopes up to 50%. The feller-buncher shall be approved by the Authorized Officer prior to the start of mechanized felling operations. Only purpose-built carriers with boom-mounted felling heads may be approved. Purpose-built carriers may be of the articulated, rubber-tired design, or the zero-clearance tail swing, leveling track-mounted design.
- (12) In the Regeneration Harvest Area shown on Exhibit A, all slopes greater than 35% shall be yarded with a carriage equipped skyline system capable of laterally yarding at least 75 feet from the skyline road. The carriage shall be capable of being held in position on the skyline during lateral yarding. Skyline roads shall not be placed closer than 150 feet apart with parallel settings on roads if topography allows unless approved by the Authorized Officer. During yarding, the lead end of the logs shall be suspended clear of the ground. Intermediate supports and/or lift trees may be needed.
- (13) In the Special Yarding Area shown on Exhibit A, skyline yarding with hand-felling is required. Skyline yarding shall be done in accordance with Sec. 42(b)(12).

- (14) Before clearing any skyline road necessary for yarding in the Regeneration Harvest Area and Special Yarding Area shown on Exhibit A, the Purchaser shall:
- (aa) Place skyline roads on the landscape to avoid disturbance to reserved trees, snags, and down wood where feasible.
 - (bb) Mark the location of the skyline road on the ground with fluorescent pink plastic flagging. Such skyline roads shall be limited to the minimum width necessary for yarding of logs with minimum damage to reserve trees but, in any case, the width of each skyline road shall not exceed 12 feet, measured between trunks of reserve trees.
 - (cc) Provide a map of requested skyline road locations a minimum of seven (7) working days in advance of cutting to obtain approval of the locations from the Authorized Officer. Proposed skyline roads shall remain free from felled trees until approved.
- (15) Prior to attaching any logging equipment to a reserve tree, the Purchaser shall obtain approval from the Authorized Officer and shall take precautions to protect the tree from damage as directed in writing by the Authorized Officer.
- (16) Before cutting and removing any reserve trees necessary to facilitate logging in the Regeneration Harvest Area shown on Exhibit A, the Purchaser shall identify the location of the skid trails in accordance with Section 42(b)(10) and skyline yarding roads in accordance with Section 42(b)(14), 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 as required in Section 42(b)(2). 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:
- (aa) All skid trails and/or skyline 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 trail, and/or cable yarding road shall be limited to 12 feet.
 - (bb) The Purchaser may immediately cut and remove additional timber to clear skid trails and skyline yarding roads; and provide tailhold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with blue 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 Section 3(b) of the contract or sufficient bonding has been provided in accordance with Section 3(d) of the contract.
 - (cc) 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 Section 9 of the contract.
 - (dd) 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.
 - (ee) 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 Section 8 or Section 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.

- (ff) The Government may reserve trees previously designated for cutting and removal by applying yellow paint in the Regeneration Harvest Areas above and below stump height and the letter “R” on two sides of the trees as replacements for additional trees cut and removed for skid trails and/or skyline yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescription. This may include the replacement of trees damaged by storm events, 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.
- (17) In accordance with the requirements of Section 8 of the contract it has been determined that it is in the best interest of the Government and within the provisions of 43 CFR 5402.0-6 to sell additional timber located in the Regeneration Harvest Area to meet all applicable State safety laws, codes, or regulations. This timber must be cut or removed so that the Purchaser can continue active falling and yarding operations. The Purchaser is, therefore, authorized to cut and remove such additional timber in accordance with the provisions of Section 8 of the contract: provided, however, that:
 - (aa) Wildlife trees felled for safety or operational reasons shall not be removed, in accordance with Section 41(d).
 - (bb) The Purchaser shall identify each tree sold and cut in accordance with the provision by marking the cut surface of the stump immediately after falling with a large “X”. The “X” shall be cut with a chain saw. The stump shall be marked by hanging flagging so that the stump can be visually located from a distance of not less than 50 feet. The Purchaser shall also paint an identifiable “X” on the butt log. The butt log shall remain on the contract area until such time as the Authorized Officer has scaled such additional timber and authorizes removal from the contract area.
 - (cc) The volume and price for such timber shall be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and paid for by the Purchaser in accordance with Section 3(b) or 3(f) of the contract as required by Section 8 of the contract.
 - (dd) No timber may be cut or removed under the terms of this provision if all contract payments required by Section 3(b) or 3(f) of the contract have been made.
 - (ee) The permission to cut and remove additional timber contained in this provision may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser:
 - (1) Failed to properly mark any stump with the “X” cut.
 - (2) Failed to identify the location of any stump.
 - (3) Cut any tree in or adjacent to skyline yarding corridors that was not necessary to facilitate skyline yarding.
 - (4) Cut any reserve tree in or adjacent to tractor skid trails that was not necessary to facilitate ground based yarding.
 - (5) Failed to properly segregate any pulled over tree that was yarded to the landing.
 - (6) Cut any reserve tree that was not severely (as defined during the prework conference and documented in the approved logging plan) damaged from felling and yarding operations.
 - (7) Cut more than the minimum number of trees necessary to properly serve as guyline anchor stumps.

- (8) Cut or topped more than the minimum number of trees necessary to properly serve as tailhold trees.
- (9) Failed to maintain accurate and current (no more than 24 hours old) documentation of cut and removed timber.
- (10) Removed any tree cut in accordance with Section 41(d).

If the permission to cut and remove additional timber provision is withdrawn, the Purchaser shall inform the Authorized Officer at least five working days prior to the need for cutting and yarding any guyline tree, tailhold tree, tie-back tree, danger tree, corridor tree, pulled over tree, and severely damaged tree. All sales of additional timber shall comply with Section 8 of the contract. The Contracting Officer may order the Purchaser, in writing, to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the Government to safely measure and mark additional timber.

All skyline yarding and/or ground based equipment skid trails upon which timber may be cut and removed in accordance with this special provision must be needed for the removal of timber sold under this contract and shall be limited to the narrowest width necessary for the yarding of logs with minimum damage to reserved trees.

The Purchaser shall be liable for damages in accordance with Section 13 of the contract for any reserved timber cut or removed in violation of the terms of this special provision.

- (18) Purchaser's operations shall facilitate BLM's safe and practical inspection of Purchaser's operations and BLM's conduct of other official duties on Contract Area. Purchaser has all responsibility for compliance with safety requirements for Purchaser's employees, contractors and subcontractors. In the event that the Authorized Officer identifies a conflict between the requirements of this contract or agreed upon methods of proceeding hereunder and State or Federal safety requirements, the contract may be modified. If the cost of such contract modification is of a substantial nature (\$2,000.00 or more), the Purchaser may request, in writing, an adjustment in the total contract purchase price specified in Section 2 of the timber sale contract, as amended, to compensate for the changed conditions.

Unless otherwise specified in writing, when operations are in progress adjacent to or on roads and/or trails in the harvest unit area, Purchaser shall furnish, install, and maintain all temporary traffic controls that provide the road or trail user with adequate warning of and protection from hazardous or potentially hazardous conditions associated with its operations. Purchaser shall prepare a Traffic Control Plan, which the Purchaser has determined is compliant with state and local OSHA and Transportation standards, no later than the pre-work meeting and prior to commencing operations. Traffic control devices shall be appropriate to current operating and/or weather conditions and shall be covered or removed when not needed. Flagmen and devices shall be as specified in state OSHA and Transportation standards for logging roads or the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD) published by the U.S. Department of Transportation - Federal Highway Administration. Included in the Traffic Control Plan, Purchaser shall note traffic control device locations on a Purchaser produced copy of the contract Exhibit A Map.

(c) Road Construction, Renovation, Improvement, Use, and Maintenance

- (1) The Purchaser shall construct Spurs A, C, E, and E1; renovate Road Nos. 18-2-1 Segs. A and B, and 18-2-1.1; and improve Road No. 18-2-1 Seg. C, in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof. Exhibit C contains 39 sheets.
- (2) Prior to removal of any timber, except right-of-way timber, the required construction, renovation, and/or improvement of the haul route for that timber shall be completed prior to hauling as specified in Exhibit C.
- (3) Prior to removal of any timber over Spur A and Road No. 18-2-1.1, except right-of-way timber, the installation of the gates shall be completed, and the gate at mile post 0.10 on Road No. 18-2-1 shall be sanded and painted, as specified in Exhibit C.

- (4) Culvert replacement/installation on streams shall be done between June 1 and October 31, both days inclusive, and shall be completed prior to hauling and fall rains. During installation of the stream culverts, dewatering of the culvert bed, silt fences and/or straw bales may be required as directed by the Authorized Officer. All work shall be completed in accordance with the plans and specifications shown in Exhibit C.
- (5) During culvert replacements the Purchaser shall keep Road No. 18-2-1 open from 5:00 pm to 7:00 am to allow access to homes. The Purchaser shall coordinate closures with homeowners prior to culvert replacement.
- (6) Dust abatement (watering) is required near residences on Road No. 18-2-1 Segs. A and B, in accordance with specifications listed in the Exhibit D.
- (7) The Purchaser shall furnish and place 150 cubic yards of surface maintenance rock in accordance with Exhibit D. Road reinforcement (rocking) and additional maintenance that may be required for wet weather haul shall be at the Purchaser's expense.
- (8) Purchaser Maintenance: The Purchaser is authorized to use the roads listed below and shown on Exhibit D which are under the jurisdiction of the Bureau of Land Management, for the removal of Government timber sold under the terms of this contract and/or the hauling of rock as required in Exhibits C and D, provided that the Purchaser comply with the conditions set forth in Section 42(c)(9) and pay the required rockwear obligation described in Section 42(c)(10). The Purchaser shall pay current Bureau of Land Management rockwear fees for the sale of additional timber under modification to the contract.

| <u>Road No. and Segment</u> | <u>Length Miles Used</u> | <u>Road Ownership</u> | <u>Road Surface Type</u> |
|---------------------------------|------------------------------|---------------------------|------------------------------|
| Spur A | 0.22 | BLM | Rock |
| Spur C | 0.03 | BLM | Rock |
| Spur E | 0.08 | BLM | Rock |
| Spur E1 | 0.07 | BLM | Rock |
| 18-2-1 | 2.18 | BLM | Rock |
| 18-2-1.1 | 0.33 | BLM | Rock |

- (9) The Purchaser shall perform any required road repair and maintenance work on roads used by him, under the terms of Exhibit D, "Road Maintenance Specifications", of this contract, which is attached hereto and made a part hereof.
- (10) The Purchaser shall pay to the Government a road maintenance obligation for rockwear in the amount of Two Thousand Five Hundred Eighty-five and 36/100 dollars (\$2,585.36) for the transportation of timber included in the contract price over the roads listed in Section 42(c)(8).

The rockwear fee shown above shall be paid prior to removal of any timber from the contract area; provided, however, that if the total of such amount exceeds One Thousand and 00/100 dollars (\$1,000.00), 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.

(d) Environmental Protection

- (1) The Purchaser shall be required to clean logging, piling, road, and decommissioning equipment to remove dirt and plant debris that may contain noxious weed seeds from the undercarriage, tracks and tire treads prior to entry on BLM. The Authorized Officer shall require inspection of equipment to see that it was cleaned prior to arrival on site.
- (2) Snag Creation
 - (aa) Upon completion of yarding, the Purchaser shall top 30 trees and girdle 60 trees marked with yellow paint above and below stump height. Location of selected trees shall be in accordance with the Authorized Officer.
 - (bb) The Purchaser shall complete two girdles around the stem of the tree. The Purchaser shall complete two parallel closely spaced cuts for each girdle. The Purchaser shall make the cuts to penetrate into the wood of the tree and remove the cambium layer around the entire circumference of the tree. The Purchaser shall make the girdles 6 to 16 inches apart.

The Purchaser shall make the girdles on the trees at a height of 2 to 5 feet from the ground line.

- (cc) The Purchaser shall top trees at a height between 40 and 60 feet. Trees shall have the top completely severed.
 - (dd) No adjustment of volume or value shall be made to meet these requirements.
 - (ee) The Purchaser shall tally all trees by diameter class and species on a daily basis. The tally may be requested by the Authorized Officer at any time during falling/girdling operations. At the end of falling/girdling operations, a completed tree tally shall be submitted to the Authorized Officer.
- (3) Cable yarding corridors shall be waterbarred and covered with slash immediately after use if necessary to prevent erosion, as determined by the Authorized Officer.
- (4) Upon each season's shutdown and prior to fall rains, the Purchaser shall block skid trails and newly constructed roads that have not been rocked, and shall place them in an erosion-resistant condition by constructing drainage dips, waterbars, and/or lead-off ditches. Waterbars and drainage dips shall be constructed in accordance with the specifications shown on Exhibit H, which is attached hereto and made a part hereof. Exhibit H contains 2 sheets. Blocking, waterbars, and drainage dips shall be completed as directed by the Authorized Officer.
- (5) Upon completion of yarding, the Purchaser shall decompact skid trails to a depth of 18 inches with decompaction equipment such as a track-mounted excavator with ripping teeth and an opposable thumb, in accordance with Exhibit H which is attached hereto and made a part hereof. Exhibit H contains 2 sheets. Minimize damage to residual tree roots. The Purchaser shall decompact the entire skid trail prism. Slash and debris shall be pulled on top of the decompacted skid trails as directed by the Authorized Officer. If equipment other than an excavator is used, it shall be approved by the Authorized Officer.
- (aa) All skid trail decommissioning shall be completed during the dry season, typically between July 1 and September 30, as determined by the Authorized Officer.
 - (bb) The Purchaser shall block skid trails with root wads, logs, and/or slash as directed by the Authorized Officer.
- (6) In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall, upon completion of hauling, complete the following road decommissioning measures according to the schedule below. Barriers shall be located as shown on Exhibit G which is attached hereto and made a part hereof. Exhibit G contains 2 sheets. All road decommissioning shall be completed during the dry season, typically between July 1 and September 30, as determined by the Authorized Officer.
- (aa) Construct drainage dips, waterbars and/or lead-off ditches as directed by the Authorized Officer. Waterbars and drainage dips shall be constructed in accordance with the specifications shown on Exhibit H, which is attached hereto and made a part hereof. Exhibit H contains 2 sheets.
 - (bb) Purchaser shall block roads with root wads, logs, slash and/or earthen barricades, as directed by the Authorized Officer. Earthen barricades shall be constructed in accordance with the specifications shown on Exhibit J, which is attached hereto and made a part hereof.

| | (aa) | (bb) |
|--------------------|----------|-------|
| Road to be Treated | Drainage | Block |
| Spur C | | X |
| 18-2-1 Segment C | X | X |

- (7) The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:

- (aa) 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;
- (bb) When, in order to comply with the Endangered Species Act, or to prevent incidental take of northern spotted owls in accordance with management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (cc) 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;
- (dd) 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;
- (ee) When, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (ff) Species have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines, or management direction established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;
- (gg) When, in order to protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines, or management direction established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

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

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

In the event of a suspension period or a combination of suspension periods that exceed a total of 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(j) of the contract. The Purchaser shall not resume contract operations until the First Installment amount is fully restored.

In the event of a suspension period or a combination of suspension periods that exceed a total of 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 modify the contract or terminate the cutting and removal rights under the contract in order to comply with the Endangered Species Act, prevent incidental take of northern spotted owls in accordance with the ROD and RMP, protect species that have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines or management direction established in the ROD and RMP, or comply with a court order. Following the issuance of a written notice that cutting and removal rights will be terminated, the Purchaser will be permitted to remove timber cut under the contract, if allowed by the Endangered Species Act, if able to proceed without causing incidental take of northern spotted owls in accordance with the ROD and RMP, consistent with survey and manage and/or protection buffer standards and guidelines or management direction established in the ROD and RMP, or court order requirements necessitating the modification or termination.

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

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

(e) Fire Prevention

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

(f) Logging Residue Reduction

- (1) In addition to the requirements of Sections 15 and 26 of this contract, and notwithstanding the Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following logging residue reduction and/or site preparation measures required by this contract:
 - (aa) Prior to commencement of any logging residue reduction and/or site preparation, a prework conference between the Purchaser's representative and the Authorized Officer must be held at a location designated by the Authorized Officer. All logging residue reduction and/or site preparation shall be done in accordance with the plans developed at the prework conference.

- (bb) Machine pile and cover all slash situated within twenty-five (25) feet of Spurs A, E, and E1, and Road Nos. 18-2-1 and 18-2-1.1. Machine pile and cover all slash in additional harvest areas as directed by the Authorized Officer. Slash shall be piled by a machine equipped with a hydraulic thumb or a controllable, grapple head. Finished piles shall be tight and free of dirt.
 - (1) Machine piles shall be located as far as possible from reserve trees, snags, culverts, or unit boundaries to minimize damage.
 - (2) Slash between two (2) inches and nine (9) inches in diameter on the large end, having a minimum length of three (3) feet shall be piled as directed by Authorized Officer. Pile size shall be a maximum of 16 feet in diameter by 12 feet in height, and minimum pile size shall be 8 feet in diameter by 6 feet in height or as directed by the Authorized Officer. Slash left on the ground shall not exceed 6 inches in depth.
 - (3) All piles shall be covered with black four (4) millimeter polyethylene plastic to cover at least 75 percent of the surface of each pile, maximum plastic size of 10' x 20' cover. 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. Plastic shall be held in place with woody debris and tied with combustible cord. The plastic must be secured so that it is held in place during strong wind conditions and maintains coverage for at least one year. The Purchaser is required to furnish the covering materials. Covering shall be completed within 30 days of completion of piling or as directed by the Authorized Officer.
 - (4) Regeneration Harvest Area shall be piled during the same season it is logged.
- (cc) Hand pile and cover all slash situated within Regeneration Harvest Area as directed by the Authorized Officer. Finished piles shall be tight and free of dirt.
 - (1) Hand piles shall be located as far as possible from green trees, snags, or unit boundaries to minimize damage. Slash shall not be piled on down logs, stumps, drainage ditches, turnouts, shoulders, cut banks, or within 10 feet of any other pile.
 - (2) Slash between two (2) inches and six (6) inches in diameter on the large end, having a minimum length of two (2) feet shall be piled as directed by Authorized Officer. Piles shall be constructed by aligning individual pieces in the same direction and placing the heavier slash on top. Piles shall have a stable base to prevent toppling. The long axis of individual pieces shall be oriented up and down the slope. Pile size shall be a maximum of 8 feet in diameter by 8 feet in height, and minimum pile size shall be 6 feet in diameter by 5 feet in height at the time of final inspection by the Government. Slash left on the ground shall not exceed 6 inches in depth.
 - (3) All piles shall be covered with black four (4) millimeter polyethylene plastic to cover at least 90% of the surface of each pile, maximum plastic size of 10' x 10'. 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. Plastic shall be held in place with woody debris or tied with combustible cord. The plastic must be secured so that it is held in place during strong wind conditions and maintains coverage for at least one year. The Purchaser is required to furnish the covering materials. Covering shall be done at time of piling.
 - (4) Regeneration Harvest Area shall be piled during the same season that it is logged.
- (dd) Pile and cover landing slash within twenty five (25) feet of the edge of each landing. All tops, broken pieces, limbs and debris more than two (2) inches in diameter at the large end and longer than three (3) feet in length shall be piled within fifteen (15) days of completion of hauling logs from that landing. Landing piles shall be kept free of dirt and located at least twenty (20) feet from any reserve tree and/or as directed by the Authorized Officer.
 - (1) All logs greater than six (6) inches in diameter at the large end and longer than eight (8) feet in length shall be decked or windrowed at the location designated by the Authorized Officer, except logs sold and removed from the contract area.

- (2) Upon completion of landing piling, the Purchaser shall prepare the landing piles for burning by securely covering each landing pile with black four (4) millimeter polyethylene plastic. Landing piles shall be at least seventy five (75) percent covered with the covering extending three-quarters of the way down all sides, maximum plastic size of 20' x 20'. 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. Plastic shall be held in place with woody debris and tied with combustible cord. The plastic must be secured so that it is held in place during strong wind conditions and maintains coverage for at least one year. The Purchaser is required to furnish the covering materials. The timing of this covering work shall be in accordance with instructions from the Authorized Officer. If the structure of the landing piles will not permit adequate consumption of piled debris by burning, the Purchaser shall re-pile them at the direction of the Authorized Officer.
- (2) The Purchaser shall perform logging residue reduction and site preparation work within approximately fifty-five (55) acres of Regeneration Harvest Area.
- (aa) The required work shall consist of any one treatment or combination of treatments listed in the table below, as determined by the Authorized Officer and specified in writing by the Contracting Officer. The number of acres and locations of each treatment shall be determined by the Authorized Officer.

| <u>Treatment</u> | <u>Cost/Acre</u> |
|------------------------|------------------|
| Hand Pile and Cover | \$ 390.00 |
| Hand Pile Burn | \$ 60.00 |
| Machine Pile and Cover | \$ 375.00 |
| Machine Pile Burn | \$ 75.00 |

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

| <u>Appraised Treatment</u> | <u>Acres</u> | <u>Cost/Acre</u> | <u>Total Cost per Treatment</u> |
|----------------------------|--------------|------------------|---------------------------------|
| Hand Pile and Cover | 10 | \$ 390.00 | \$ 3,900.00 |
| Machine Pile and Cover | 45 | \$ 375.00 | \$ 16,875.00 |
| Total Appraised Cost | | | \$ 20,775.00 |

- (cc) The Total Purchase Price set forth in Section 2 shall be adjusted in a unilateral modification executed by the Contracting Officer by the amount that the total cost of the logging residue reduction and site preparation treatments designated pursuant to Section 42(f)(2)(bb) differs from Twenty Thousand Seven Hundred Seventy-five and 00/100 dollars (\$20,775.00), as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 42(f)(2)(aa).
- (3) Notwithstanding the provisions of Sec. 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by Purchaser's operations on Government lands, except for burning and mop-up assistance as required herein and measures required in Section 42(f). In accordance with written instruction to be issued by the Authorized Officer at least 10 days in advance of the earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or designated representative, assist in preparing units for burning, burning, mop-up, and patrol by furnishing, at the Purchaser's own expense, the services of personnel and equipment on harvest area as shown below:
- (aa) For Igniting, Holding, and Mop-Up of Piles:
- (1) One (1) work leader (Firefighter Type 1 (FFT1)) to supervise crew and equipment operations, and to serve as Purchaser's representative.
 - (2) Two (2) person crew (Firefighter Type 2 (FFT2))
 - (3) Sufficient fuel for burning, five (5) drip torches or propane burners, one (1) power saw, and one (1) backpack pump, one (1) tool for each crew member.

- (4) Radios capable of inter-crew communications and communication with a BLM representative at a ratio of one (1) radio per every five (5) crew members.
- (5) All ignition, holding, and mop-up personnel will be directly supervised by a BLM representative.

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

All listed personnel shall be physically fit, experienced and fully capable of functioning as required. 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 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 fire escapement, the Purchaser shall continue the required assistance in mop up on each cutting unit shown on Exhibit A for seventy-two (72) hours, as directed by the Authorized Officer within a five (5) day period commencing at 8:00 a.m. the day following the completion of ignition in that unit, or until released from such service by the Government, whichever occurs first.

In event of a fire escapement, the Purchaser's personnel and equipment shall, under supervision of the Authorized Officer, take action to control and mop up the escaped fire until released from such service by the Government. If it becomes necessary to use furnished personnel and equipment for the suppression of a fire which escapes from the prescribed fire area for a period beyond the remainder of the day in which the fire escapes, 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 situations where an escaped fire is controlled and contained by an adequate fire break (i.e., trail, road, stream, rock formation, etc.), the Government may permit the Purchaser to remove personnel for that day; provided that all mop up work on the escaped fire is included with mop up work on the prescribed fire area. In such an event, the Purchaser must sign a statement of agreement to complete mop up work on all escaped fire areas concurrently with mop up work on the prescribed fire area.

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

Time is of the essence in complying with this provision. In the event the Purchaser fails to provide the personnel and equipment required herein, the Purchaser shall be responsible for all additional cost incurred by the Government in disposing of slash including but not limited to the wages and other costs of providing federal employees and others as substitute labor force, the cost of providing substitute equipment and appropriate additional overhead expenses. If the Purchaser's failure results in a deferral of burning and new conditions necessitate additional personnel and equipment to accomplish the planned burn, the Purchaser also shall be responsible for such additional costs.

(g) Optional Contributions

- (1) The Purchaser shall perform ignition, holding, and mop-up of piles in accordance with Section 42(f)(3). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a contribution to the Bureau of Land Management in the amount of Five Thousand Two Hundred Ninety-eight and 30/100 dollars (\$5,298.30).
- (aa) The amount of contribution shown above shall be paid prior to cutting. The Purchaser shall notify the Authorized Officer in writing of his intention to make this contribution prior to the date of execution of the contract. Upon making such contribution, the Purchaser shall be relieved of obligations set out in this subsection. 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.

(h) Log Export and Substitution

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

- (aa) Date of last export sale.
 - (bb) Volume of timber contained in last export sale.
 - (cc) Volume of timber exported in the past twelve (12) months from the date of last export sale.
 - (dd) Volume of Federal timber purchased in the past twelve (12) months from the date of last export sale.
 - (ee) Volume of timber exported in succeeding twelve (12) months from date of last export sale.
 - (ff) Volume of Federal timber purchased in succeeding twelve (12) months from date of last export sale.
- (2) In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party buying, exchanging, or receiving such timber to execute a Form 5460-16 (Certificate as to Nonsubstitution and the Domestic Processing of Timber). The original of such certification shall be filed with the Authorized Officer. Additionally, when the other party is an affiliate of the Purchaser, the Purchaser will be required to update information under item (2) of Form 5450-17 (Export Determination) and file the form with the Authorized Officer.

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

Prior to the termination of this contract, the Purchaser shall submit to the Authorized Officer Form 5460-15 (Log Scale and Disposition of Timber Removed Report) that shall be executed by the Purchaser.

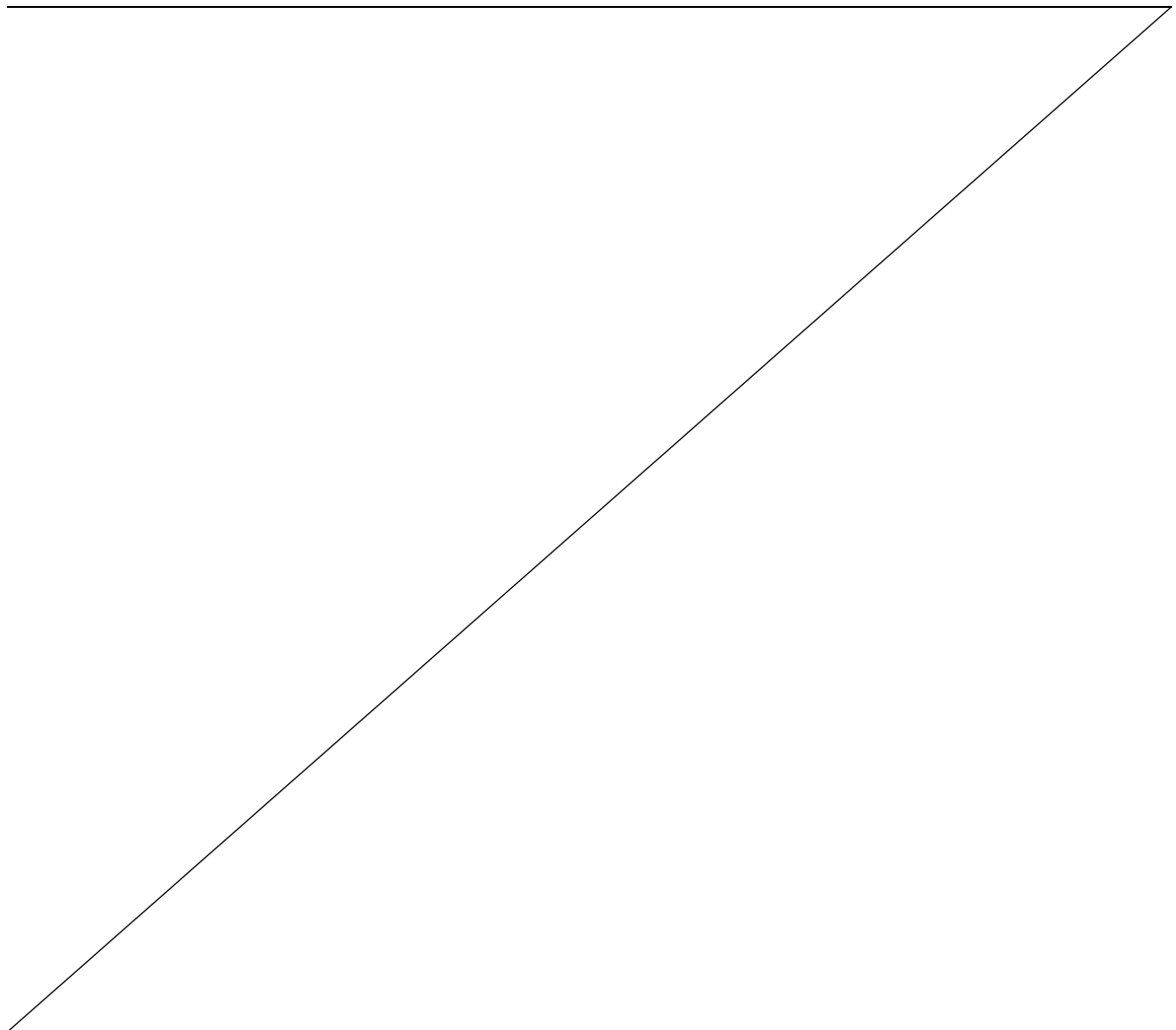
In addition, the Purchaser is required under the terms of this contract to retain for a three-year period from the date of termination of the contract the records of all sales or transfer of logs involving timber from the sale for inspection and use of the Bureau of Land Management.

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 shall be branded on loads of 10 logs or less. One end of all branded logs to be processed domestically shall be marked with a 3 square inch spot of highway yellow paint. The Purchaser will stop trucks for accountability monitoring at mutually agreed upon location 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.



Legal Description of Contract Area

| Land Status | County | Township | Range | Section | Subdivision | Meridian |
|-------------|--------|----------|-------|---------|---------------------|------------|
| O&C | Lane | 17S | 1W | 31 | S1/2SW1/4 | Willamette |
| O&C | Lane | 18S | 2W | 1 | Lots2-4, SW1/4NW1/4 | Willamette |

Species Totals

| Species | Net | Gross Merch | Gross | # of Merch Logs | # of Cull Logs | # of Trees |
|------------------|----------------|----------------|----------------|-----------------|----------------|--------------|
| Douglas Fir | 2,941.0 | 3,063.0 | 3,063.0 | 39,314 | 4 | 7,021 |
| Grandfir | 477.0 | 503.0 | 508.0 | 4,368 | 34 | 744 |
| Bigleaf Maple | 95.0 | 111.0 | 123.0 | 3,595 | 250 | 1,496 |
| Incense-cedar | 73.0 | 81.0 | 82.0 | 606 | 5 | 129 |
| Western Hemlock | 51.0 | 56.0 | 58.0 | 838 | 5 | 211 |
| Western Redcedar | 20.0 | 22.0 | 28.0 | 235 | 34 | 75 |
| Totals | 3,657.0 | 3,836.0 | 3,862.0 | 48,956 | 332 | 9,676 |

Cutting Area Acres

| Regeneration Harvest Acres | Partial Cut Acres | Right of Way Acres | Total Acres | Net Volume per Acre |
|----------------------------|-------------------|--------------------|-------------|---------------------|
| 90.0 | 0.0 | 2.0 | 92.0 | 39.8 |

Logging Costs

| | |
|------------------------------------|---------------------|
| Stump to Truck | \$396,857.45 |
| Transportation | \$138,096.00 |
| Road Construction | \$228,582.17 |
| Maintenance/Rockwear | \$12,925.81 |
| Road Use | \$0.00 |
| Other Allowances | \$33,266.81 |
| Total: | \$809,728.24 |
| Total Logging Cost per MBF: | \$221.42 |

Utilization Centers

| Location | Distance | % of Net Volume |
|-----------------|-----------------|------------------------|
| Seneca Sawmill | 24.0 miles | 100 % |

Profit & Risk

| | |
|--------------------------------|-------------|
| Basic Profit & Risk | 9 % |
| Additional Risk | 3 % |
| Total Profit & Risk | 12 % |

Tract Features

| | |
|------------------------------------|-------------|
| Quadratic Mean DBH | 17.1 in |
| Average GM Log | 78 bf |
| Average Volume per Acre | 39.8 mbf |
| Recovery | 95 % |
| <u>Net MBF volume:</u> | |
| Green | 3,657.0 mbf |
| Salvage | 0 mbf |
| Export | 0 mbf |
| <u>Ground Base Logging:</u> | |
| Percent of Sale Volume | 55 % |
| Average Yarding Slope | 20 % |
| Average Yarding Distance | 200 ft |
| <u>Cable Logging:</u> | |
| Percent of Sale Volume | 45 % |
| Average Yarding Slope | 65 % |
| Average Yarding Distance | 250 ft |
| <u>Aerial Logging:</u> | |
| Percent of Sale Volume | 0 % |
| Average Yarding Slope | 0 % |
| Average Yarding Distance | 0 ft |

Cruise

| | |
|-------------------------|---------------------|
| Cruise Completed | July 2018 |
| Cruised By | K.Cranmer, B.Dotson |
| Cruise Method | |
| VP, 100% | |

Stumpage Computation

| Species | # of Trees | Net Volume | Pond Value | (-) Profit & Risk | (-) Logging Costs | (+) Marginal Log Value | Appraised Price/MBF | Appraised Value |
|------------------|--------------|----------------|------------|-------------------|-------------------|------------------------|---------------------|-----------------------|
| Douglas Fir | 7,021 | 2,941.0 | \$726.66 | \$87.20 | \$221.42 | \$0.00 | \$418.00 | \$1,229,338.00 |
| Grandfir | 744 | 477.0 | \$548.13 | \$65.78 | \$221.42 | \$0.00 | \$260.90 | \$124,449.30 |
| Bigleaf Maple | 1,496 | 95.0 | \$362.10 | \$43.45 | \$221.42 | \$0.00 | \$97.20 | \$9,234.00 |
| Incense-cedar | 129 | 73.0 | \$644.16 | \$77.30 | \$221.42 | \$0.00 | \$345.40 | \$25,214.20 |
| Western Hemlock | 211 | 51.0 | \$553.64 | \$66.44 | \$221.42 | \$0.00 | \$265.80 | \$13,555.80 |
| Western Redcedar | 75 | 20.0 | \$1,120.00 | \$134.40 | \$221.42 | \$0.00 | \$764.20 | \$15,284.00 |
| Totals | 9,676 | 3,657.0 | | | | | | \$1,417,075.30 |