



WASHINGTON STATE DEPARTMENT OF
Natural Resources
Peter Goldmark - Commissioner of Public Lands

Pacific Cascade Region

INVITATION TO BID

Contract Number # 1407

Pre-Commercial Thinning (PCT)

1,093 Acres (Lewis, St. Helens, Yacolt Districts)

Term of Contract from May 6, 2013 to July 26, 2013

(PCT is the cutting and/or removal of certain trees from a stand to regulate the number, quality and distribution of the remaining crop trees. The thinned trees have no commercial value.)

Notice to Bidders Special Notices Definitions

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SECTION III

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NOTICE TO BIDDERS

You are invited to bid on this contract and are advised to examine the pre-commercial thinning units prior to bidding.

Sealed bids will be accepted at the Department's Pacific Cascade Region office until 2:00 P.M., Pacific Standard Time on April 25, 2013 at which time and place all bids will be opened and read aloud. Individuals who wish to request special accommodations for the bid opening (e.g., sign language, interpreters, Braille, etc.) should contact the Department ten (10) Working days prior to the scheduled bid opening.

The sealed bid envelope should be prepared in the following manner:

Addressed to: Eric Wisch, Pacific Cascade Region Manager
Attn: Jared Larwick
Washington State Department of Natural Resources
P.O. Box 280, Castle Rock, WA 98611

Upper left corner: Bidder's Address

Lower left corner: Pre-Commercial Thinning – “Sealed Bid”
Invitation to Bid/Contract Number: 1407

Note the following specifications of this contract:

- **No work will be allowed on the following state holidays:** Monday, May 27th and Thursday, July 4th.
- Preview Maps detailing access roads & units, PCP1-1 Key, and a temporary Discovery Pass may be picked up at the Pacific Cascade Region Office in Castle Rock.

Questions pertaining to this Invitation to Bid can be answered by contacting Jared Larwick at 360.635.1338 (Cell) or 360.575.5091 (Office). Oral explanations, interpretation, or instructions given before the award will not be binding.

The Department reserves the right to amend this Invitation to Bid/Contract by giving written notification to all known bidders at least seven (7) days prior to bid opening.

Payments on this Invitation to Bid can only be paid out to contractors who are registered with The Office of Financial Management (OFM)

<http://www.ofm.wa.gov/isd/vendors.asp>

Please follow the link for instructions on how to register.

Address

Statewide Payee Desk

P.O. Box 43113, Olympia, WA 98504-3113 Phone: 360-664-7779

SPECIAL NOTICES

Term of contract: May 6, 2013 To July 26, 2013

Work shall begin on the start date identified above unless an alternate plan is approved by the Compliance Forester.

Please note special timing restriction and special prescription requirements for **Unit #7**. Also, there shall be no WWP cut in **Unit #5**.

Please note **any** long walk-ins and closed/abandoned roads as identified on Unit Maps. Closed roads are based on the best available information, but potential contractors should verify access before bidding.

Gate Access: All gates associated with Contract 1407 will use locks that require a PCP1-1 key. This key is available from the Pacific Cascade Region office in Castle Rock.

Provide proof of 2013 Farm Labor Contractor's License or letter of exemption from the Department of Labor & Industries before work begins.

PLEASE NOTE INSURANCE REQUIREMENTS (SEE CLAUSE 2-04)

A **\$1,000** BID DEPOSIT IS REQUIRED WITH THIS BID OPENING. "**CONTRACT 1407**" REFERENCED ON **CERTIFIED CHECK** (SEE CLAUSE 1-09).

A PREWORK CONFERENCE IS REQUIRED ONCE AN AWARD HAS BEEN MADE (SEE CLAUSE 2-11).

Hospitals: It is the contractor's responsibility to identify appropriate hospitals for any emergency care required. The following is a courtesy list and should be verified by any potential contractor.

Pacific Cascade Region Hospital List						
HOSPITAL NAME	ADDRESS	CITY	ZIP	PHONE	LATITUDE	LONGTITUDE
Morton General Hospital	521 Adams St	Morton	98356	360-496-5112	46.556	-122.28
Ocean Beach Hospital	First & Fir	Ilwaco	98624	360-642-3181	46.311	-124.043
Willapa Harbor Hospital	800 Alder St	South Bend	98586	360-875-5526	46.664	-123.812
PeaceHealth Saint John Medical Center	1615 Delaware	Longview	98632	360-414-2000	46.131	-122.942
PeaceHealth Saint John Medical Center	600 Broadway	Longview	98632	360-414-2223	46.136	-122.924
Southwest Washington Medical Center	400 NE Mother Joseph Place	Vancouver	98668	360-256-2000	45.625	-122.581
Mark Reed Memorial Hospital	322 Birch St S	McCleary	98557	360-495-3244	47.056	-123.261
Providence Centralia Hospital	914 South Scheuber Road	Centralia	98531	360-736-2803	46.712	-122.988
Capital Medical Center	3900 Capital Mall Dr SW	Olympia	98502	360-754-5858	47.043	-122.952
Southwest Washington Medical Center	3400 Main St	Vancouver	98663	360-256-2000	45.645	-122.669
Providence Saint Peter Hospital	413 Lilly Rd NE	Olympia	98506	360-491-9480	47.053	-122.848
Legacy Salmon Creek	2211 NE 139th St	Vancouver	98686	360-487-1000	45.722	-122.65

DEFINITIONS

- A. 'Buffer Zone' - An area designated to be left along roads or other features in which there will be no cutting.
- B. 'Compliance Forester' means the Department staff who perform the compliance inspections, approves Work, recommends payment to the Contract Manager, manages the Work Schedule, and assists with seedling distribution.
- C. 'Conifer' means a tree that is a Douglas-fir, true fir, pine, hemlock, spruce, or cedar.
- D. 'Contract' means this Invitation to Bid/Contract the Pre-Work Conference packet and all required documents provided by the contractor.
- E. 'Contract Manager' means the Department staff that processes this Contract, makes payments, provides and facilitates dispute resolution, provides technical advice to the Compliance Forester, and is the first point of contact for questions relating to this Contract or interpretation of Work. The Contract Manager may perform the duties of the Compliance Forester.
- F. 'Contractor' means the bidder who was awarded this Contract.
- G. 'Contractor Selection of Leave Trees' - Crop and leave trees are unmarked and will be selected by the Contractor.
- H. 'Crop Tree' - These are usually the largest undamaged conifer trees with good form and free of disease.
- I. 'Department' means the Department of Natural Resources of the State of Washington, acting through an authorized employee.
- J. 'Designated Contract Representative(s): Those individuals designated by the Contractor on the Pre Work form during the Pre Work Conference (2-11, 2-12)
- K. 'D.B.H.' - Diameter at breast height, a point on the tree stem 4 feet above ground level.
- L. 'Force Majeure' means those acts that are unforeseeable and beyond the control of either party to the Contract. Acts of Force Majeure include, but are not limited to: acts of God, the public enemy, fire, or other casualty. Force Majeure may result in an equitable adjustment in the time period to complete the Contract.
- M. 'Hardwood' means any tree or tall shrub with broad leaves. Examples include alder, elderberry, big leaf maple, vine maple, madrone, cottonwood, cherry, and willow.
- N. 'Mechanical Treatment' - The use of power saws, axes, or other approved tools to remove trees.
- O. 'Mistletoe Thinning' - Removal of designated conifer trees bearing visible mistletoe plants on branches as well as visible plants or infections on the stem.
- P. 'Pre-Work Conference' is the meeting between the department and the contractor after award of the contract is made but prior to commencement of work. Items agreed upon in this meeting are signed off by both the department and the contractor and become part of the contract.
- Q. 'Region Manager' means the designated Department staff responsible for managing the affairs of the Department in designated large geographic areas. The Region Manager may perform the duties of the Contract Manager.
- R. 'Slash' - shall mean all debris created on the contract area by the pre-commercial thinning operation.
- S. 'Surplus Trees' - All trees designated for cutting.
- T. 'Unit' is the individual geographical area that the Work is to be done on. Each unit is specifically identified by number on the Bid Form (Section IV), the Unit Description, and corresponding Unit Map (Section III).
- U. 'Unit Bid Price' is the rate per acre written in the Unit Bid Price column of the bid form (Section IV Bid Form).

- V. 'Work Schedule' means the approved timeline for how the requirements of this contract will be fulfilled by the contractor. The work schedule is agreed upon during the Pre-Work Conference by both the department and the contractor.
- W. 'Work' means the services the Contractor is required to satisfactorily complete this Contract found in Section II Specifications for the Activity and Section III Unit Description

SECTION I: INSTRUCTIONS TO BIDDERS AND CONTRACT AWARD

1-01 Unit Inspection & Bid Preparation

Bidders are expected to examine this entire Invitation to Bid/Contract and are urged to inspect the Unit(s) prior to submission of their bid. Bidder acknowledges through submission of their bid that it has ascertained the nature and location of the Work and investigated and satisfied itself as to the general and local conditions which can affect the Work or its cost, including but not limited to:

- A. Conditions bearing upon transportation, disposal, handling, and storage of materials;
- B. The availability of labor, water, electric power, and road;
- C. Uncertainties of weather, river stages, tides, or similar physical conditions at the Unit;
- D. The confirmation and conditions of the ground;
- E. Seasonal conditions that may affect the timing and use of materials needed for the Work; and
- F. The character of equipment and facilities needed to complete the Work.

Bids should include all costs. Any failure of the bidder to examine the Invitation to Bid/Contract or the Unit(s) prior to submission of the bid will not relieve the bidder from responsibility for properly estimating the cost of satisfactorily completing this contract.

1-03 Bid Submission is Offer to Contract

Your bid in response to this Invitation to Bid/Contract is an offer to contract with the Department. All offers shall remain firm for a period of 90 calendar days after the bid opening. If there is a problem and the lowest responsible bidder is unable to accept this contract the next lowest responsible bidder will be contacted for possible award. An Invitation to Bid becomes a contract when officially awarded by the Department with the return of a countersigned SECTION V - Offer and Contract Award.

1-05 Bid Contents

The bid shall include the Bid Form (Section IV), the Offer and Contract Award Form (Section V) properly completed and signed, the bid deposit specified in Clause 1-09, Contractor's Declaration of Industrial Insurance Status, and a photocopy of bidder's Washington State Farm Labor Contractors License.

1-07 Withdrawal of Bid

A bid may be withdrawn in person by a bidder's authorized representative before the opening of the bids. Bidder's representative(s) will be required to show ID and sign on the bid summary sheet before it will be released.

1-08 Rejection of Bids

To be considered, bids should conform to the above requirements, except that the Department may waive informalities and minor irregularities in bids received. The Department reserves the right to reject any or all bids received.

1-09 Bid Deposit

A bid deposit of ONE THOUSAND DOLLARS (\$1,000) is required. This deposit assures the Department that the bidder will accept award of any items on which the bidder is the lowest responsible bidder. In the event the bidder rejects award of **any item**, the bidder will forfeit the bid deposit. The bid deposit must be in the form of certified check made payable to the Washington State Department of Natural Resources and include a reference to the bid/contract number **1407**. The bid deposit must be delivered to the Department's Region Office with the delivery of the bid. The bid deposit of a bidder awarded the contract will be released when the performance/damage deposit has been approved, or the bid deposit may be converted to apply to part or all of the required performance/damage deposits after contract award. Once all the bids are evaluated and the contract has been awarded, bid deposits will be returned to all unsuccessful bidders.

1-10 Performance and Damage Deposit

The bidder awarded the Contract (Contractor) agrees to furnish a performance and damage deposit of ten percent (10%) of the Contractor's total award established in the award letter. The deposit shall be in the form of certified check or cashier's check made payable to "Washington State Department of Natural Resources", irrevocable letter of credit, or a savings account assignment. This deposit guarantees performance of this Contract and payment of damages caused by operations during the performance of this Contract or resulting from Contractor's noncompliance with any contract provisions or the law. In the event the Department needs to utilize the deposit, Contractor shall replace the portion(s) by the due date indicated on the written notification from DNR.

1-11 Lowest Responsible Bidder

Award of this Contract shall be to the lowest responsible bidder as determined by the Department. In determining the lowest responsible bidder, in addition to price, the following may be considered: (a) the ability, capacity, and skill of the bidder to perform the contract; (b) the character, integrity, reputation, judgment, experience, and efficiency of the bidder; (c) whether the bidder can perform the contract within the time specified; (d) the quality of performance of previous contracts; and (e) the previous and existing compliance by the bidder with laws relating to the contract or services. The Department's determination that a bidder is not qualified shall result in rejection of the bid submitted.

1-12 Award Letter

The Department will make every effort to mail an award letter with instructions and a copy of the executed contract to the successful bidder within ten (10) business days of bid opening.

1-13 Conditions on Award

Within ten (10) business days after the bidder receives their award letter, the Department must receive the signed contract, the performance and damage deposit, and insurance certificate at the Department's Region Office (Page 2 Notice to Bidders). The Department may extend upon written request to the Contract Manager, the time allowed for receipt of the above items. If the bidder fails to submit the above items within the time specified, the Department may consider the contract award rejected and may terminate award of the contract.

1-14 Contract Modification or Cancellation

The Region Manager reserves the right to modify or cancel this Contract in part or whole without cause. The Contractor shall be paid only for Work performed satisfactorily prior to cancellation of the Contract.

SECTION II-A: GENERAL PROVISIONS

2-01 Compliance with all Laws

The Contractor shall comply with all laws and regulations of the United States, State of Washington, and counties where the Work is located. The Contractor will make any payments, contributions, remittances, and reports or statements required under those laws.

2-02 Licenses and Permits

The Contractor shall, without additional expense to the Department, obtain all required licenses and permits necessary for executing the Contract.

2-03 Indemnification and Hold Harmless

To the fullest extent permitted by law, Contractor shall indemnify, defend, and hold harmless the State, agencies of the State, and all officers and employees of the State, from and against any and all claims for injuries or death, including claims by Contractor's employees, or for damages arising out of, resulting from, or incident to Contractor's performance or failure to perform the Contract. Contractor's obligation to indemnify, defend and hold harmless shall not be eliminated or reduced by any alleged concurrent negligence of the State or its agencies, employees, and officers. Contractor waives its immunity under Title 51 RCW to the extent required to indemnify, defend, and hold harmless the State and its agencies, officers, or employees.

2-04 Insurance

Before commencing Work, the Contractor shall obtain and keep during the term of this Contract the following liability insurance policies, insuring Contractor against liability arising out of its operations, including use of vehicles. Failure to buy and maintain the required insurance may result in termination of the Contract. The limits of insurance, which may be increased by the Department as deemed necessary, shall not be less than as follows:

- A. **Commercial General Liability (CGL) insurance**, with a limit of not less than \$1,000,000 per each occurrence. If such CGL insurance contains aggregate limits, the general aggregate limits shall be at least twice the "each occurrence" limit, and the products-completed operations aggregate limit shall be at least twice the "each occurrence" limit.
- B. **Employer's liability ("Stop Gap") insurance**, and if necessary, commercial umbrella liability insurance with limits not less than \$1,000,000 each accident for bodily injury by accident or \$1,000,000 each employee for bodily injury by disease.
- C. **Business Auto Policy (BAP) insurance**, and if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 per accident, with such insurance covering liability arising out of "Any Auto."

All insurance must be purchased on an occurrence basis and should be issued by companies admitted to do business within the State of Washington and have a rating of A- or better in the most recently published edition of Best's Reports. Any exception shall be reviewed and approved in advance by the Risk Manager for the Department. If an insurer is not admitted, all insurance policies and procedures for issuing the insurance policies must comply with Chapters 48.15 RCW and 284-15 WAC.

The "State of Washington, Department of Natural Resources, its elected and appointed officials, agents and employees" shall be named as an additional insured on all general liability, excess, and umbrella insurance policies.

Before using any rights granted herein, Contractor shall furnish the Department with a certificate(s) of insurance, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements specified above. Certificate(s) must reference the **Contract Number 1407** in the time required by Clause 1-13.

The Contractor shall provide the Department written notice before cancellation or non-renewal of any insurance referred to herein, as prescribed in statute (RCW Title 48).

All insurance provided in compliance with this Contract shall be primary as to any other insurance or self-insurance programs afforded to or maintained by State. Contractor waives all rights against State for recovery of damages to the extent these damages are covered by general liability or umbrella insurance maintained pursuant to this Contract.

By requiring insurance herein, State does not represent that coverage and limits will be adequate to protect Contractor, and such coverage and limits shall not limit Contractor's liability under the indemnities in this Contract.

2-05 Safety Compliance

Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Work.

- A. During the Contract performance, Contractor shall protect the lives and health of employees performing the Work and other persons who may be affected by the Work and prevent damage to property at the Unit and adjacent property. Contractor shall comply with all applicable laws, ordinances, rules, regulations, and orders of any public body having jurisdiction for the safety of persons or property; shall protect from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection.
- B. In an emergency affecting the safety or life of employees or adjoining property, Contractor is permitted to act to prevent threatened loss or injury. Within 24 hours of any emergency, Contractor shall notify the Compliance Forester. If directed by the Compliance Forester, within five (5) business days of any emergency. Contractor shall prepare an incident report and submit it to the Department's Region manager within five (5) business days following an emergency if directed to do so by the Compliance Forester.

2-06 Venue

Disputes arising under this Contract shall be brought in the State of Washington and the venue shall be Thurston County.

2-07 Dispute Resolution

Before initiating any litigation over the terms of this Contract, the Contractor commits to the following process:

- A. Any concerns or disputes which the Contractor has relating to this Contract shall first be brought to the attention of the Compliance Forester.
- B. If the Compliance Forester is unable to resolve the dispute to the Contractor's satisfaction, the Contractor will notify the Contract Manager in writing, with specificity, of his dispute. The Contract Manager will provide a written response within ten (10) business days.
- C. If the Contractor is not satisfied with the Contract Manager's response, he will notify the Region Manager in writing of his dispute. The Region Manager will review and set a meeting with the Contractor within fifteen (15) business days, unless the Contractor agrees to a longer period. After the meeting, the Region Manager will provide a written response.

2-08 Subcontracting

The Contractor shall not enter into any subcontract or assignment of this Contract.

2-09 Nondiscrimination

During the performance of this Contract, the Contractor shall comply with all federal and State nondiscrimination laws, regulations, and policies.

2-10 Contractor's noncompliance

In the event of refusal to comply with any nondiscrimination law, regulation, or policy this Contract may be rescinded, canceled, or terminated in whole or in part, and the Contractor may be declared ineligible for further contracts with the Department. The Contractor shall be given a reasonable time to cure this noncompliance.

2-11 Pre-Work Conference

The Contractor shall attend a Pre-Work Conference before beginning Work. The Compliance Forester will notify the Contractor of the time and place of the Pre-Work Conference.

2-12 Purpose of the Pre-Work Conference

The purpose of the Pre-Work Conference is to document the following on the Pre-Work Conference form:

- A. All required documentation as outlined in sections I and II of the contract have been received from the Contractor, such as insurance forms, prior to beginning Work on this Contract.
 - **Certificate of Insurance (Clause 2-04)**
 - **Declaration of Industrial Insurance Status (Clause 1-05)**
 - **Farm Labor Contractors License or Letter of Exemption**
- B. Name(s) and contact information for the Contractor and Designated Contract Representative(s), including all personnel authorized to sign unit completion forms and payment invoices.
- C. Names(s) and contact information for the Contract Manager and Compliance Forester(s).
- D. The Work plan of operations including the order and time frame in which Work will occur on individual units or groups of units within this Contract.
- E. Time interval(s) at which units will be processed for payment.
- F. Clarification of any unique requirements or conditions of the Work within this Contract prior to commencing Work.
- G. The Pre-work Form which includes
 - a. The Work plan of operations including the order and time frame in which Work will occur on individual units or groups of units within this Contract.
 - b. Name(s) and contact information for the Contractor and Designated Contract Representative(s), including all personnel authorized to sign unit completion forms and payment invoices.
 - c. Clarification of any unique requirements or conditions of the Work within this Contract prior to commencing Work.
 - d. Names(s) and contact information for the Contract Manager and Compliance Forester(s).
 - e. Time interval(s) at which units will be processed for payment.
 - f. Key checkout form for all gate keys issued to contractor.
 - g. Pre-signed A-19 form to release the L&I retainage at the termination of the contract.
 - h. L&I Report by Landowner form

2-13 Work Delay

Contractor shall promptly notify the Compliance Forester of any actual or anticipated event which is delaying or could delay the Work, including the expected duration of the delay, the anticipated effect of the delay on the schedule, and the action being or to be taken to correct the delay. The notification does not relieve Contractor of the obligation to complete the Work within the time required by this Contract.

2-14 Non-conformances with Work Schedule

If Contractor is not in conformance with the Work schedule for reasons other than acts of Force Majeure, Contractor shall bring its activities into conformance with the schedule or request the Compliance Forester to revise the Work schedule. The Compliance Forester may require a meeting to determine if a revision is necessary. In the event the

Contractor stops Work or if the initial start-up is delayed for a period of one (1) week or more, a new Pre-Work Conference may be held.

2-14.1 Twenty Percent Rule

DNR uses what is referred to as the “Twenty Percent Rule” to determine if a project is no longer viable. The “twenty Percent Rule” states:

If the Contractor’s rate of progress towards completion of the contract item is such that the difference between the percentage of the total number of work days remaining in the contract period and the percentage of the total number of uncompleted acres remaining in the contract becomes greater than twenty percent (20%) the project is in jeopardy of being no longer viable, in which case the contractor will subject to clause 2-16.

EXAMPLE OF 20% RULE for Contract #1407:

The contract term is approximately 58 work days for 1,093 acres. Progress of the contractor after the first twelve (12) days of operation should be at least 226 acres. If this is not accomplished, contractor must revise the work plan to show they can successfully complete the remaining work before the contract expires or be subject to clause 2-16.

2-15 Work Days

Work shall only proceed on regular Monday through Friday business days. Work on weekends or designated State holiday requires written permission from the Compliance Forester.

2-16 Breach of Contract

Nonperformance, unsatisfactory performance, or willful violation of Contract requirements by the Contractor shall constitute breach of contract and the Department may collect liquidated damages, terminate the contract with forfeiture of the performance and damage deposit, or declare breach of contract and make a claim for actual damages suffered by the Department. Any delay or failure of performance by the Department or Contractor, other than the payment of money, shall not constitute a breach if the cause was Force Majeure.

2-17 Washington State Forest Fire Protection Requirements

The Contractor and employees shall be familiar with the Washington State Forest Fire Protection Requirements and adhere to them. These requirements are found in: [Revised Code of Washington Chapter 76.04](#)

2-18 Fire Inspection

The Department may inspect the Units for adherence to regulations and presence of fire tools. Any inspection by the Department shall not limit Contractor’s liability for failure to adhere to applicable regulations.

2-19 Spark Arresters

All spark emitting engines will be equipped with approved spark arresters. Spark arrestors are approved by contractors demonstration to the Compliance Forester as to functionality and serviceability onsite, prior to use of the device. The lists adopted by the agency are from the National Wildfire Coordinating Group (NWCG). [NWCG approved spark arrester lists.](#)

2-19.1 Extraordinary Slash Conditions

If extraordinary slash conditions create an extreme fire hazard as determined by the Department, the Contractor may be required to take extraordinary measures to prevent and control fires during operations or for a reasonable period after operations. When required, these will be specifically set forth in an attachment to this contract.

2-20 Open Fires

The Contractor shall not build any open fires on the contract area without first obtaining written permission from the Compliance Forester.

2-21 Prohibition from Removal of Merchantable Products

Contractor is prohibited from removing merchantable or potentially merchantable products from the Units. A separate agreement with the Department is required for removal of Christmas trees, boughs, brush pickings, decorative shrubs or trees, firewood, poles, posts and other merchantable or potentially merchantable material.

2-22 Garbage

Contractor shall dispose of garbage brought onto State lands in garbage disposal areas meeting all State, county, and local requirements. Garbage includes equipment maintenance, abandoned equipment, containers, and other expended materials.

2-23 Camping

Contractor is prohibited from using or authorizing its employees to use non-designated State lands, landings, or roads for camping.

Section II-B: Specifications for the Activity

2-24 Precedence between Sections

Section II-B covers the general standards that apply over the whole contract. If a change is required on a site by site basis those differences will be outlined on the Unit Description Form (Section III-A). The site specific details found on the Unit Description Form should take precedence over these general guidelines when they exist.

2-25 Boundaries

- A. The boundaries except for easily identified ground features have been plainly marked with colored plastic flagging as indicated on the unit maps.
- B. Net acreage as indicated in the Unit Description was measured on the horizontal plane. Large openings, roads, and buffer zones have been deducted from the gross acreage and are designated on the unit map.

2-28 Leave Tree Selection

Selection of leave trees or crop trees will be made by the Contractor according to the specifications and terms found below and in the Unit Description Table attached hereto.

- A. Three thinning procedures are recognized. These are:
 - 1. Thinning on a simple spacing basis.
 - 2. Thinning on a diameter limit basis.
 - 3. Thinning based on a combination of spacing, height, and diameter.

The methods to be used for each unit shall use the parameters in the Unit Description Table.

- B. When thinning on a spacing basis, the Contractor will select and leave uncut the largest live conifer trees of good form and vigor that will maintain the average spacing designated in the Unit Description Table except that trees immediately adjacent to voids should be thinned more lightly and clumps or patches should not be left unthinned to make up voids or holes in the stand. When this exception is justified, a 6'x 6' spacing will be used. Spacing is determined by the average number of desirable trees left uncut per plot, exclusive of natural openings.

Example: In a 12'x 12' spacing basis, every plot should contain 5 to 7 properly selected crop trees except for openings. (See 2-42)

- C. When thinning on a diameter limit basis, Contractor shall cut trees exceeding the diameter limit only when they are clearly diseased, damaged, or deformed. Trees smaller than the diameter limit shall be thinned on a spacing basis that will leave uncut the largest live conifer trees of good form and vigor that will maintain the spacing designated in the Unit Description Table. As a general rule, small trees growing into the canopy of the larger trees are to be cut. Spacing is to be determined by the average number of trees left uncut per plot, including trees above the diameter limit as well as below. Care should be taken by the Contractor in this type of thinning not to damage the stand by cutting trees so as to create undesirable openings or voids in the stand. The tree count per plot for this type of thinning must continue to fall within the Per Acre Zone of Acceptance except when desirable trees exceeding the diameter limit comprise a majority of the total tree count. Then the Per Acre Zone of Acceptance is increased by the number of trees above the diameter limit exceeding a simple majority.

- D. When thinning based on a combination of spacing, height and diameter the crop tree ranking will change based on the size of a particular species. For example, if the most desirable crop tree is DF- 1, WH-2 but the unit description favors WH when it is 2/3 the height of adjacent DF then WH becomes the most desirable crop tree anytime it does not have adjacent DF more than 1/3 taller e.g. if the WH is 11 feet tall and the adjacent DF is 15 feet tall then the WH would be left uncut. If the WH is 10 feet tall and the adjacent DF is 15 feet tall then the DF would be left uncut. Cedar shall not be cut unless it is adjacent to another cedar over 8 feet tall and requires adjacent trees to be cut. As a rule, do not cut cedar unless the previous case exists. All cedar less than 8 feet tall will not count as crop trees in the target trees per acre and are allowable surplus trees. If there is a diameter limit on a particular species, no trees of that species shall be cut even if defective unless permission is granted by the compliance forester.

2-34 Special Requirements

Unit Description Table will also show special requirements on certain units. If special requirements noted on the Unit Description Table conflict with requirements herein, the special requirement will prevail.

2-35 Trees to Be Cut

Except for crop or leave trees specified above and in the Unit Description Table, the Contractor shall cut the following:

- A. When thinning is done on a spacing basis, remove all surplus conifer trees more than four (4) feet in height (except cedar). When thinning is done on a diameter limit basis, remove all surplus conifer trees more than one (1) inch in diameter two (2) feet above ground.
- B. All cherry, cascara, cottonwood, and other hardwoods more than four (4) feet in height, growing within fifteen (15) feet of a "CROP" tree shall be cut. Vine maple, elderberry and other low growing hardwoods shall only be cut only when specified in the unit description.
- C. All diseased, damaged, or deformed trees as described below are to be cut.
1. Trees with thin, ragged crowns of yellowing needles typical of Phellinus (Poria) weirii and Armillaria mellea infection.
 2. Trees with scars or open wounds on the lower bole involving more than one-half (1/2) circumference of the bole.
 3. Trees with more than twenty (20) degrees lean or trees with crook or sweep in the lower bole protruding outward from a straight line more than twelve (12) inches.
 4. Trees with broken boles or girdling of the bole where only the lower part of the living crown remains.
 5. Trees with double tops of forked trees when other more suitable trees are available.
 6. Western hemlock infected with dwarf mistletoe in western Washington.
 7. Any white pine that exhibits traits of white pine blister rust, such as stem/bole cankers and red-flagged foliage, when other more suitable trees are available.
- D. Damaged or deformed trees are not to be cut when their removal will create voids in the stand. Diseased trees infected with root rot or mistletoe as described above, under 1 and 6 (C clause), are always to be cut.

2-38 Progression of Daily Work

Contractor work shall progress in an orderly fashion to avoid accidentally leaving untreated areas, with workers regularly tying together treated areas. At the end of each work day, no islands of untreated areas shall be left within areas that have been treated.

2-39 Cut Trees

Trees will be cut below the lowest live limb and cut completely free of the stump. Cut trees must not be left "hung up" or leaning against crop trees. Stumps shall not exceed a twelve (12) inch height unless snow conditions prevent this. In no case shall stumps exceed an eighteen (18) inch height.

2-40 Streams

Trees felled into streams shall be removed and streams shall be left in their original state. Some streams will be protected and cutting will not be permitted within the specified area. Major streams are designated on the unit map.

2-41 Fences and Improvements

Care should be taken not to damage fences and other improvements situated on or adjacent to the unit during the thinning operation as any such damage will be repaired at Contractor's expense. Trees adjacent to the fence are to be felled away from the fence and all slash falling on fence shall be removed and distributed back into the unit. Slash falling onto lands not owned by the State shall also be removed and distributed back into the unit.

2-42 Order of Selection of Leave Trees

The order of selection of leave or crop trees will be as follows:

- A. Leave dominant and necessary co-dominate trees.
- B. Maintain specified average number of trees per acre.
- C. Maintain specified average spacing.
- D. Select crop tree by species based on the Unit Description for each unit

2-47 Contractor shall furnish:

The Contractor shall provide:

- A. All Workers meeting the minimum crew size identified in Section III- Unit Description and discussed at the Pre-Work Conference;
- B. Adequate crew supervision, including at least one qualified non-working, English speaking foreperson per ten (10) person crew, unless otherwise allowed by the Compliance Forester. A second foreperson is required when crew size is greater than fourteen (14). The foreperson must have one season (at least three (3) months) of pre-commercial thinning experience. Documentation of a foreperson's experience shall be provided to the Department upon request.
- C. Specific tool requirements are detailed in Section III-Unit Description.
- D. All safety equipment.

- E. All costs of operation and maintenance not specifically furnished by the Department under 2-55 below shall be borne by the Contractor.
- F. All equipment and supplies for mechanical treatment.

2-55 Department shall furnish:

- A. A Department Representative to acquaint the Contractor with each unit to be worked and to conduct periodic field inspections.
- B. Boundary marking and access to the unit as reasonably necessary to complete the contract.

2-58 Buffer Zone

Slash or debris resulting from the pre-commercial thinning operation that occupies roads, trails, ditches, and road banks or falls into a designated buffer zone, shall be removed by the Contractor and redistributed within the thinned area at the end of every day, or more often on well-traveled roads and trails.

2-61 Determination of Payment

Compliance and payment for work performed will be based on the following:

- A. The flagging, cutting lines, roads, etc., designated as boundaries on the Unit Description Table attached; provide the basis for determining acreage satisfactorily completed. Failure to complete work to boundaries established by the Department renders work unsatisfactorily completed. The Contractor is to take the initiative in determining whether boundaries are sufficiently marked. No consideration will be given for work that extends beyond unit boundaries by error. If work extends beyond unit boundaries, charges may be levied against the Contractor by the Department for damages suffered, or other parties suffering damages.

2-62 Determination of Satisfactorily Completed Work

Satisfactorily completed work will be determined using the following criteria:

- A. Circular plots 1/50th acre (16.7 foot radius horizontal distance) will be established by the Department to check contract specifications compliance and as a basis for determining satisfactory quality.
- B. A minimum of two (2) plots for each five (5) acres accomplished.
- C. Acceptable spacing and number of trees per acre as specified in the Unit Description Table for the unit is based on the following Per Acre Zone of Acceptance:

PER ACRE ZONE OF ACCEPTANCE

Number of Crop Trees

<u>Spacing</u>	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
----------------	----------------	----------------	----------------

11' x 11'	330	360	380
12' x 12'	273	303	320
13' x 13'	228	258	278
14' x 14'	192	222	242
15' x 15'	164	194	214

- D. The required number of "crop trees" per acre must fall between the maximum and minimum as listed in the Per Acre Zone of Acceptance and as specified by spacing in the Unit Description Table. Crop trees not meeting these specifications is unsatisfactory work. Cedar below eight (8) feet tall left uncut shall not count as a crop tree in the above calculations.

2-71 Unsatisfactory Work Compliance

The Department Representative will inspect the contract work to determine if treatment is satisfactory. The Contractor will be notified of any unsatisfactory unit(s) or parts thereof.

- A. Removal of crop trees or poor selections of crop trees for any reason is defined as stand damage.
- B. If overcutting of acceptable crop trees leaves a maximum treeless space (dimensions shown below) on two (2) or more of the compliance plots installed or if any one such void exceeds two (2) times the spacing requirement, the work on that unit will not be paid for. More severe damage will result in cancellations of the contract and forfeiture of the performance/damage deposit.

<u>Spacing (ft.)</u>	<u>Maximum Treeless Space Permitted (ft.)</u>
11' x 11'	22' x 22'
12' x 12'	24' x 24'
13' x 13'	26' x 26'
14' x 14'	28' x 28'

- C. If undercutting occurs according to the contract specification, payment will be withheld on the unsatisfactory unit(s). The Contractor shall return at no additional expense to the Department, and re-treat unsatisfactory unit(s) or parts thereof. In the event the contract is terminated for unsatisfactory performance, payment will be made as set forth in paragraph 2-76 below for work satisfactorily completed.

- D. All undercutting work must be corrected to the satisfaction of the Department Representative before work may be performed in any other portion of the unit or other units.

2-76 Payment shall be made as follows:

Payment may be made by the month, unit or by one total payment. Details of payment schedule will be determined in the pre-work conference. The Department will attempt to comply with the desires and needs of the Contractor but assumes no legal duty or obligations to adhere to the schedule of payments so arranged.

2-78 Partial payment

Partial payment may be made upon completion of part of a unit as determined by the Department. Request for partial payment is to be made by the Contractor utilizing the Unit Completion Form and Compliance Report provided by the Department. The Contractor or contract representative identified during pre-work conference (clause 2-11) shall sign the Unit Completion Form and Compliance Report after completion of each such "sub-unit" being submitted for payment. The Department Representative will then make payment recommendations for the invoice and forward the unit completion form to the Department's Region office for processing.

- A. Contractor or contract representative and the Department Representative shall sign the unit completion form at the conclusion of work on each unit. Final payment will not be made to the Contractor unless the unit completion form are signed by the Contractor or contract representative and the Department Representative, and "final" payment is designated thereon.
- B. If a unit's contract acreage is disputed the Contractor may upon completion of the unit request a verification traverse by the Department; the request must be in writing and signed by the Contractor. The Department will pay the Contractor based on acres determined from the verification traverse. If the verification traverse indicates the net acres specified in the Unit Description are correct within plus or minus five percent (5%) the Contractor shall pay the cost of the verification traverse at a rate of ten dollars (\$10.00) per one hundred (100) feet of traversed boundary.
- C. Ten percent (10%) of all payments due Contractors who employ workers shall be retained by DNR as security for L&I industrial insurance premiums owed for their workers. Upon determination that the Contractor has met all financial obligations for industrial insurance premiums related to the Item(s) of this Contract, the 10% retainage will be returned to the Contractor. DNR will return this retainage approximately 45 days following close of the quarter in which the work was completed. However, if the Contractor notifies DNR in writing that they have paid all L&I premiums associated with the Item(s) of this Contract, DNR will, upon determination that the Contractor has met all financial obligations for industrial insurance premiums related to the Item(s) of this Contract, work diligently to return the retainage as soon as practical.

2-82 Liquidated damages

Damages will be assessed for any and all delays extending beyond the final contract completion date according to the following schedule based on growth losses resulting from delays. Delays beyond the Contractor's control, resulting from Acts of God, and/or shutdowns or delays imposed by the Department because of fire conditions, weather, threat of insect damage, conflict with other operations, and labor strikes will not count toward the contract time period, and lieu-time extending beyond the original completion date will be earned for such delays.

Schedule of Liquidated Damages

	High Site (S.I. 110+)	Low Site (S.I. 110 and below)
Lost Growth Value per acre per season *	\$10/Ac/Yr	\$5/Ac/Yr
	\$1.43/Ac/Mo	\$.71/Ac/Mo

Note: Ages less than 10 years deduct 33%
Ages 10-14 use full value
Ages 15-19 years deduct 33%
Ages 20 years + deduct 66%

*Season refers to growing season. Defined as March 15 through October 15, a total of seven (7) months. Proration for parts of the year will be from mid-month to mid-month, 1/7 of the total above per monthly period, based on whole months only. No damages will be assessed for extension or delays outside the growing season.

UNIT DESCRIPTION SECTION III-A: CONTRACT 1407

Unit	Silv Work Unit	Local	Unit Name	Treatment Acres	Year Planted	Elevation	Gate	Key	Fire Zone	Crop Tree Priority Order	Target Spacing	Additional Prescription Requirements
1	Yacolt	COUGAR	BONANZA	34	2001	900-1400	Yes	PCP1-1 - DNR	660	1-WRC, 2-DF, *3-WH, 4-RA	12' x 12' - 302	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below. Thin pockets of RA at the same 12' x 12' spacing.
2	Yacolt	COUGAR	ALREADY THERE	78	1999	2100-2700	No		660	1-WRC, 2-NF, 3-DF, 4-WH, 5-RA	11' x 11' - 360	
3	St Helens	STELLA	LUCIDITY	96	2005	600-1000	No		6515	1- WRC, 2-PSF, 3-DF *4-WH *5-RA	11' x 11' - 360	*See WH rule in special requirements below. *Leave RA as "CROP" tree if 1.5 X height of adjacent conifer and free of defect. See example in special requirements below.
4	St Helens	STELLA	TAKE THREE U3	23	2002	1000-1200	No		6515	1- WRC, 2-PSF, 3-DF *4-WH 5-WWP 6-RA	11' x 11' - 360	*See WH rule in special requirements below.
5	St Helens	STELLA	CRITERIONLESS U1	95	2002	900-1100	No		6515	1- WRC, WWP, 2-DF, *3-WH, 4-RA	11' x 11' - 360	*Leave all WWP throughout entire unit. *See WH rule in special requirements below.
6	St Helens	STELLA	COUGAR ROSE U1	80	2001	400-1000	No		6515	1- WRC, *2- RA, 3-DF, 4-WH, 5-GF	11' x 11' - 360	RA primary "CROP" tree after WRC. Thin RA pockets at 12' x 12' spacing.
7	St Helens	STELLA	OFF THE BENCH	64	1998	800-1400	No		6515	1- WRC, 2-PSF, 3-DF, *4-WH 5-RA	11' x 11' - 360 (39 acres) 14' x 14' - 220 (25 acres)	*See timing restriction and special prescription requirements below. *See WH rule in special requirements below.
8	St Helens	STELLA	DANCING BEAR U1	24	1997	1300-1400	No		6515	1- WRC, 2-DF, *3-WH, 4-RA	11' x 11' - 360	*See WH rule in special requirements below.
9	St Helens	STELLA	DANCING BEAR U2	30	1997	1300-1400	No		6515	1- WRC, 2-DF, *3-WH, 4-RA	11' x 11' - 360	*See WH rule in special requirements below.
10	Lewis	SALKUM	SECTION 33 - U1	36	1999	1100-1500	Yes	PCP1-1 - DNR	655	1- WRC, 2-DF, *3-WH, 4-RA	11' x 11' - 360	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
11	Lewis	SALKUM	SECTION 33 - U2	26	1999	1100-1300	Yes	PCP1-1 - DNR	655	1- WRC, 2-DF, *3-WH, 4-RA	11' x 11' - 360	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
12	Lewis	SALKUM	SECTION 33 - U3	32	1999	1100-1200	Yes	PCP1-1 - DNR	655	1- WRC, 2-DF, 3-WH, *4-RA	11' x 11' - 360	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. *Leave RA as "CROP" tree if 1.5 X height of adjacent conifer and free of defect. See example in special requirements below.
13	Lewis	SALKUM	520 EVEN U2	30	2000	1600-1900	Yes	PCP1-1 - DNR	655	1- WRC, 2-DF, *3-WH, 4-RA	12' x 12' - 302	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
14	Lewis	SALKUM	LOWER GOAT HDWD U2	6	1999	1200-1400	Yes	PCP1-1 - DNR	655	1-WRC, 2-DF, *3-WH, *4-RA	12' x 12' - 302	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below. *Leave RA as "CROP" tree if 1.5 X height of adjacent conifer and free of defect. See example in special requirements below.
15	Lewis	SALKUM	LOWER GOAT HDWD U3	14	1999	1300-1600	Yes	PCP1-1 - DNR	655	1-WRC, 2-DF, *3-WH, *4-RA	12' x 12' - 302	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below. *Leave RA as "CROP" tree if 1.5 X height of adjacent conifer and free of defect. See example in special requirements below.
16	Lewis	SALKUM	LOWER GOAT HDWD U4	23	1999	1200-1400	Yes	PCP1-1 - DNR	655	1-WRC, 2-DF, *3-WH, *4-RA	12' x 12' - 302	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below. *Leave RA as "CROP" tree if 1.5 X height of adjacent conifer and free of defect. See example in special requirements below.
17	Lewis	SALKUM	MIDDLE GOAT HW U1	65	2003	1300-2000	Yes	PCP1-1 - DNR	655	1-WRC, 2-DF, *3-WH, 4-RA	12' x 12' - 302	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
18	Lewis	SALKUM	MIDDLE GOAT HW U2	29	2003	1400-1900	Yes	PCP1-1 - DNR	655	1-WRC, 2-DF, *3-WH, 4-RA	12' x 12' - 302	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
19	Lewis	SALKUM	BY 9 U1	92	2001	1600-2000	Yes	PCP1-1 - DNR	655	1- WRC, 2- NF, 3-DF, *4-WH, 5-RA	11' x 11' - 360	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
20	Lewis	SALKUM	BY 9 U2	17	2000	1600-1800	Yes	PCP1-1 - DNR	655	1- WRC, 2- NF, 3-DF, *4-WH, 5-RA	11' x 11' - 360	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
21	Lewis	SALKUM	ADJACENT COYOTE U2	77	2000	1900-2400	Yes	PCP1-1 - DNR	655	1- WRC, 2- NF, 3-DF, *4-WH, 5-RA	11' x 11' - 360	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
22	Lewis	SALKUM	MYSTERY MTN CC	46	1999	2300-2600	Yes	PCP1-1 - DNR	655	1- WRC, 2- NF, 3-DF, *4-WH, 5-RA	11' x 11' - 360	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below.
23	Lewis	SALKUM	JOLI 490	76	2003	1700-2100	Yes	PCP1-1 - DNR	655	1- WRC, 2-DF, *3-WH, *4-RA	12' x 12' - 302	*Any WH free of defect atleast two-thirds (2/3) the height of adjacent DF shall be left as the "CROP" tree. See example in special requirements below. *Leave RA as "CROP" tree if 1.5 X height of adjacent conifer and free of defect. See example in special requirements below.
CONTRACT 1407 TOTALS:			# Units: 23	1,093								

SPECIAL REQUIREMENTS ALL UNITS :

All multiple stems on "CROP" trees shall be cut to retain the largest stem most free of defect.

1. When cutting multiple stems from "CROP" trees, the face cut should be approximately one foot (1.0') above initiation at a minimum 30 degree angle away from leave tree. Stem left should be the largest and free from defect.
2. Any WRC >8' in height will be counted as a "crop tree" and thinning treatment will occur around tree; equivalent to the average spacing in unit description table. Any WRC < 8' will not be counted as a "crop tree" and shall be left uncut.
3. Remove trees and slash from all trails, roads, cut-slopes, and ditches per specifications in Clause 2-58.
4. Fell all trees into unit and away from any private property lines. If trees felled over property lines, they shall be removed immediately back into the treatment unit before work commences.
5. Minimum crew size is 10 unless approved by contract administrator.

Units # 3-5 and # 7-9 WH Rule Applies:

Rule: If Western Hemlock is approximately same height and diameter as adjacent Douglas Fir, Western Hemlock shall be left as "CROP" tree if free from defect.

If Douglas-Fir is larger in either height or diameter and is considered the more dominant tree, it shall be left as the "CROP" tree if free from defect.

UNITS # 1 and # 10-23 WESTERN HEMLOCK "CROP" TREE EXAMPLES:

Example 1: If you have a 20' tall WH free of defect and an adjacent 30' tall DF, the WH would become the priority "CROP" tree in this scenario because it meets the 2/3 height rule and is free of defect.

Example 2: If you have a 12' tall WH free of defect and an adjacent 30' tall DF, the DF would stay the priority "CROP" tree in this scenario because the WH does not meet the 2/3 height rule.

UNITS # 3, 12, 14-16, and 23 RED ALDER "CROP" TREE EXAMPLE:

Example 1: If you have a 40' tall RA free of defect and an adjacent 25' tall DF or WH, the RA would become the priority "CROP" tree in this scenario because it meets the 1.5X height rule of the adjacent conifer excluding WRC.

Example 2: if you have a 25' tall RA free of defect and an adjacent 20' tall DF or WH, the DF or WH would stay the priority "CROP" tree in this scenario because the RA does not meet the 1.5X height rule.

Unit # 5 Special Requirement:

All **WWP** are considered "Leave" trees and shall be left uncut.

Unit # 7 Timing Restriction:

Timing restrictions include no operation of heavy equipment, yarding activities or **felling and bucking during the daily peak activity period (one hour before official sunrise to two hours after official sunrise and one hour before official sunset to one hour after official sunset) within the critical nesting season (April 1 to August 31).**

Unit # 7 Special Prescription Requirement:

Approximately 25 acres of this unit will be thinned to promote Marbled Murrelet habitat. See associated map (Unit # 7) for specific area. Thinning prescription in this area will be 14' x 14' spacing (average 220 TPA). Approximately 100 leave trees will be marked with blue paint at DBH (4.5') across the 25 acres. Cut all trees within a 20' radius around the individual blue painted leave trees.

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

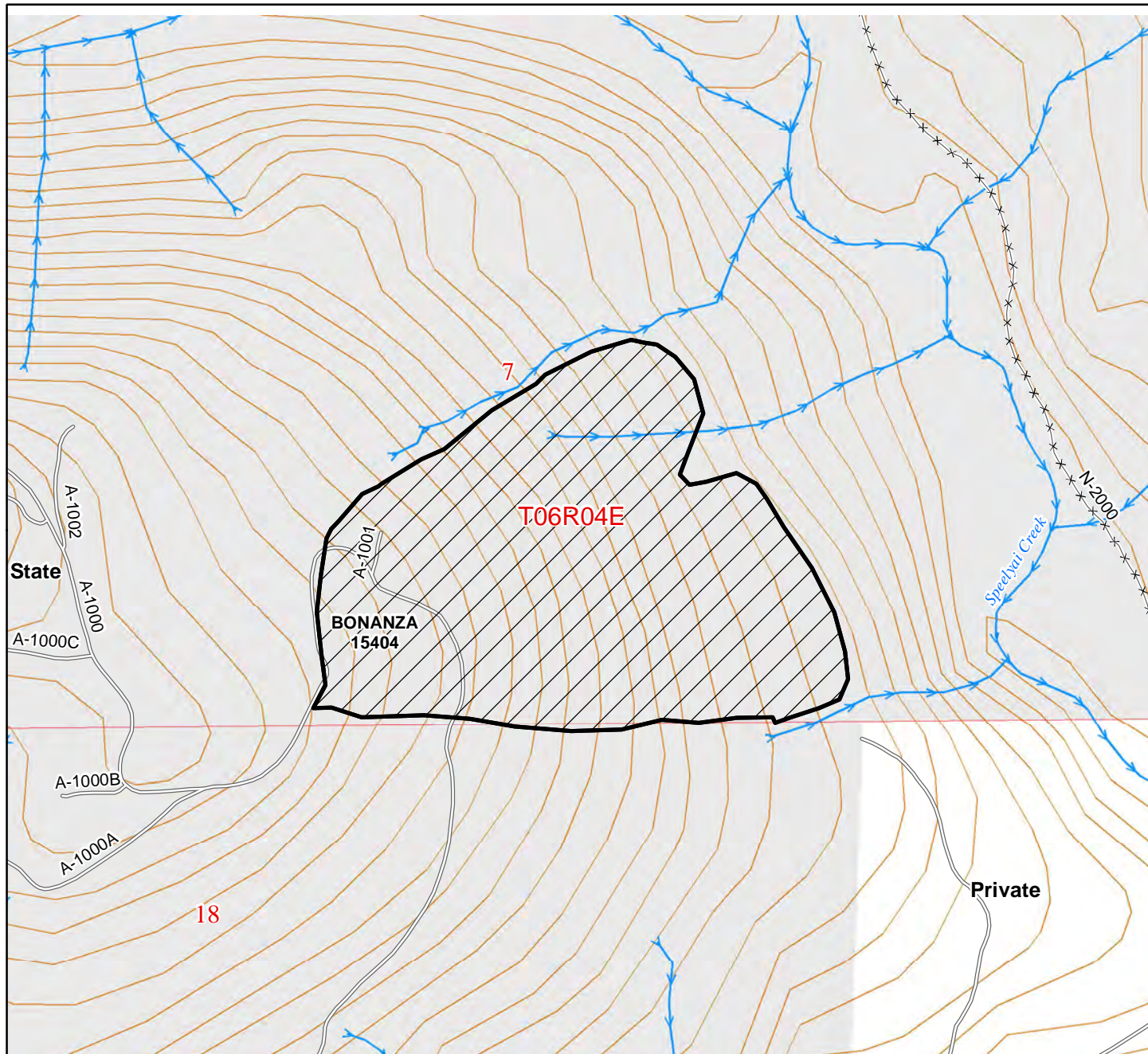
Bid No. 1407

Work Unit: Yacolt

Treatment Acres: 34

Unit No. 1

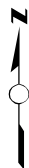
Unit Name: BONANZA



40' Contours

1:6,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 900-1400
 Gate: No
 Key:
 Origin Year: 2001
 Fire Zone: 660

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

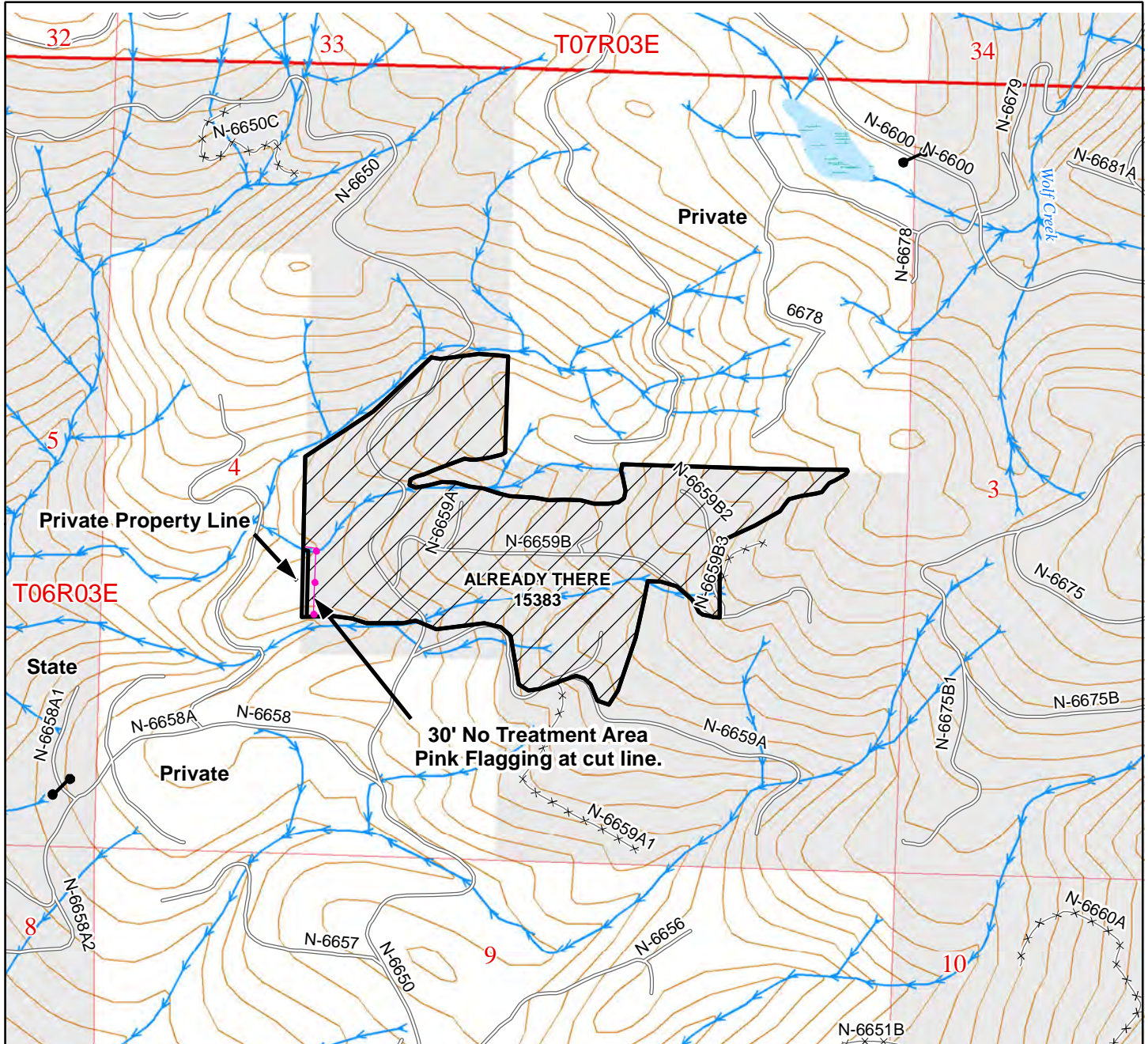
Bid No. 1407

Work Unit: Yacolt

Treatment Acres: 78

Unit No. 2

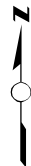
Unit Name: ALREADY THERE



40' Contours

1:12,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 2100-2700

Gate: No

Key:

Origin Year: 1999

Fire Zone: 660

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

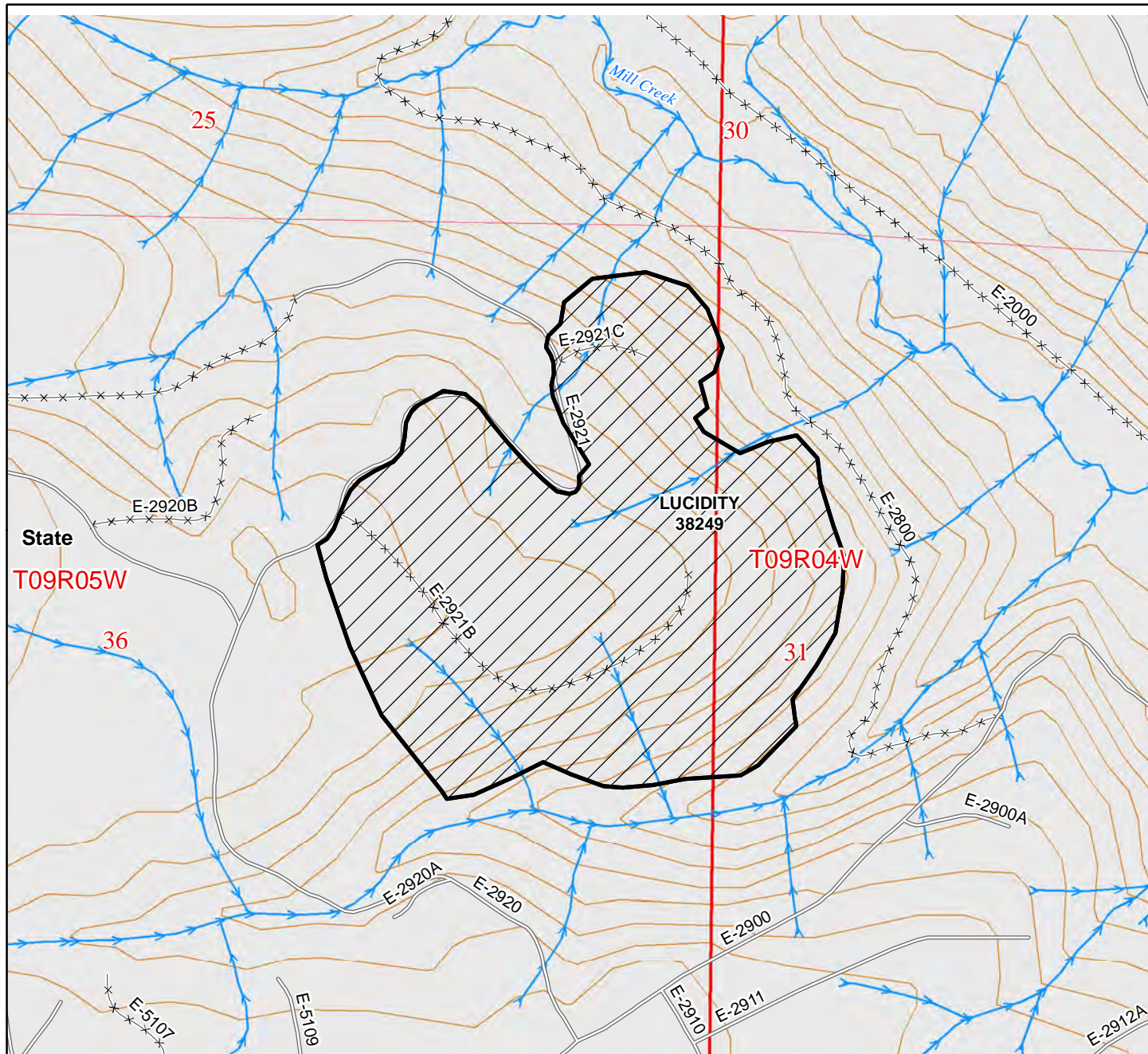
Bid No. 1407

Work Unit: St Helens

Treatment Acres: 96

Unit No. 3

Unit Name: LUCIDITY



40' Contours

1:9,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 600-1000

Gate: No

Key:

Origin Year: 2005

Fire Zone: 651S

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

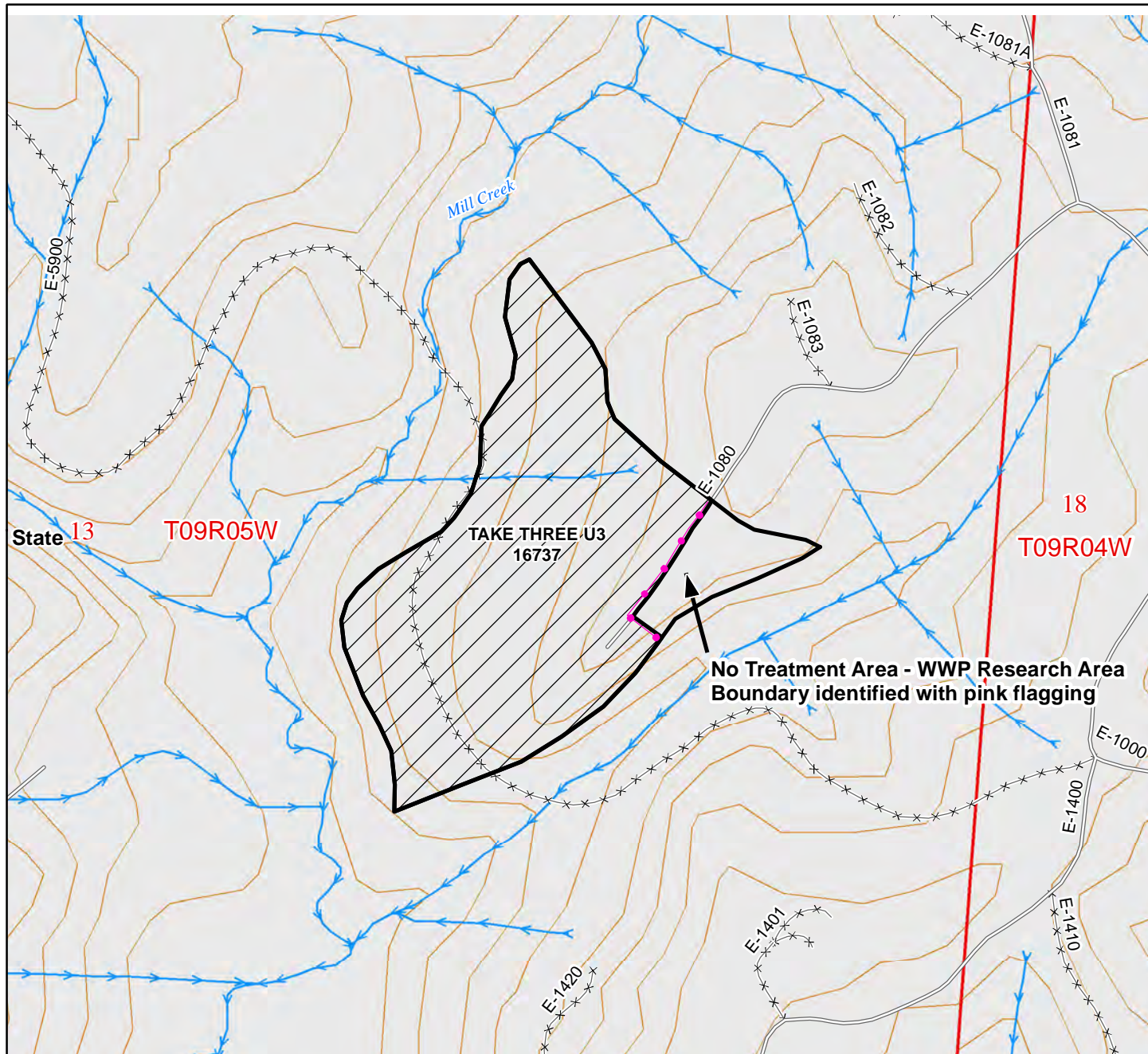
Bid No. 1407

Work Unit: St Helens

Treatment Acres: 23

Unit No. 4

Unit Name: TAKE THREE U3



- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1000-1200
 Gate: No
 Key:
 Origin Year: 2002
 Fire Zone: 651S

1:6,000

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

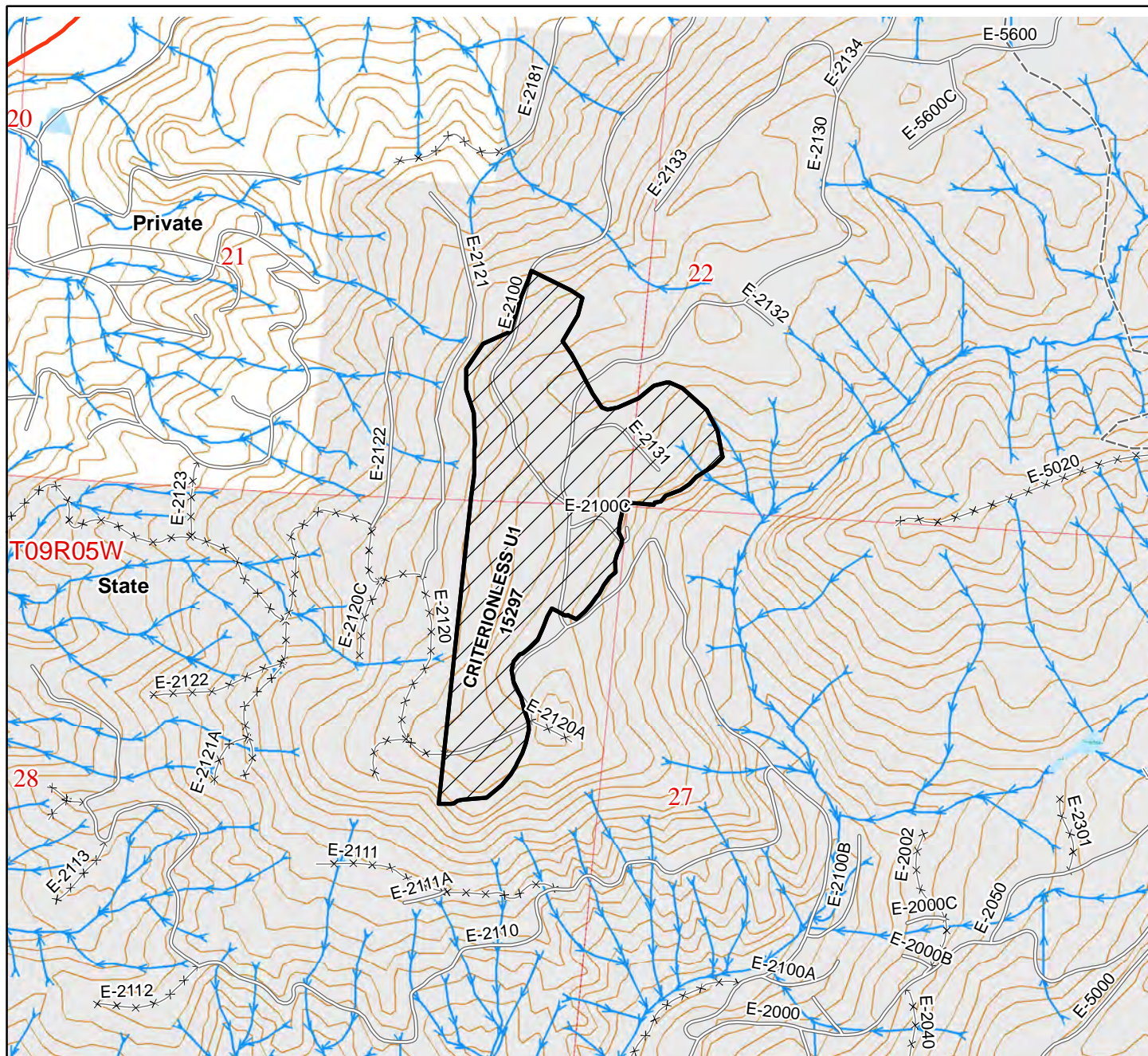
Bid No. 1407

Work Unit: St Helens

Treatment Acres: 95













Unit No. 5

Unit Name: CRITERIONLESS U1



40' Contours

1:15,000

- | | | | |
|---|----------------------|---|---------------|
|  | Unit Boundary |  | Pink Flagging |
|  | Treatment Area |  | Gate |
|  | DNR Managed Lands |  | Tank Trap |
|  | Existing Roads |  | Earth Barrier |
|  | Non-Driveable Access |  | Other Barrier |
|  | Trails |  | Streams |



Elevation: 900-1100

Gate: No

Key:

Origin Year: 2002

Fire Zone: 651S

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

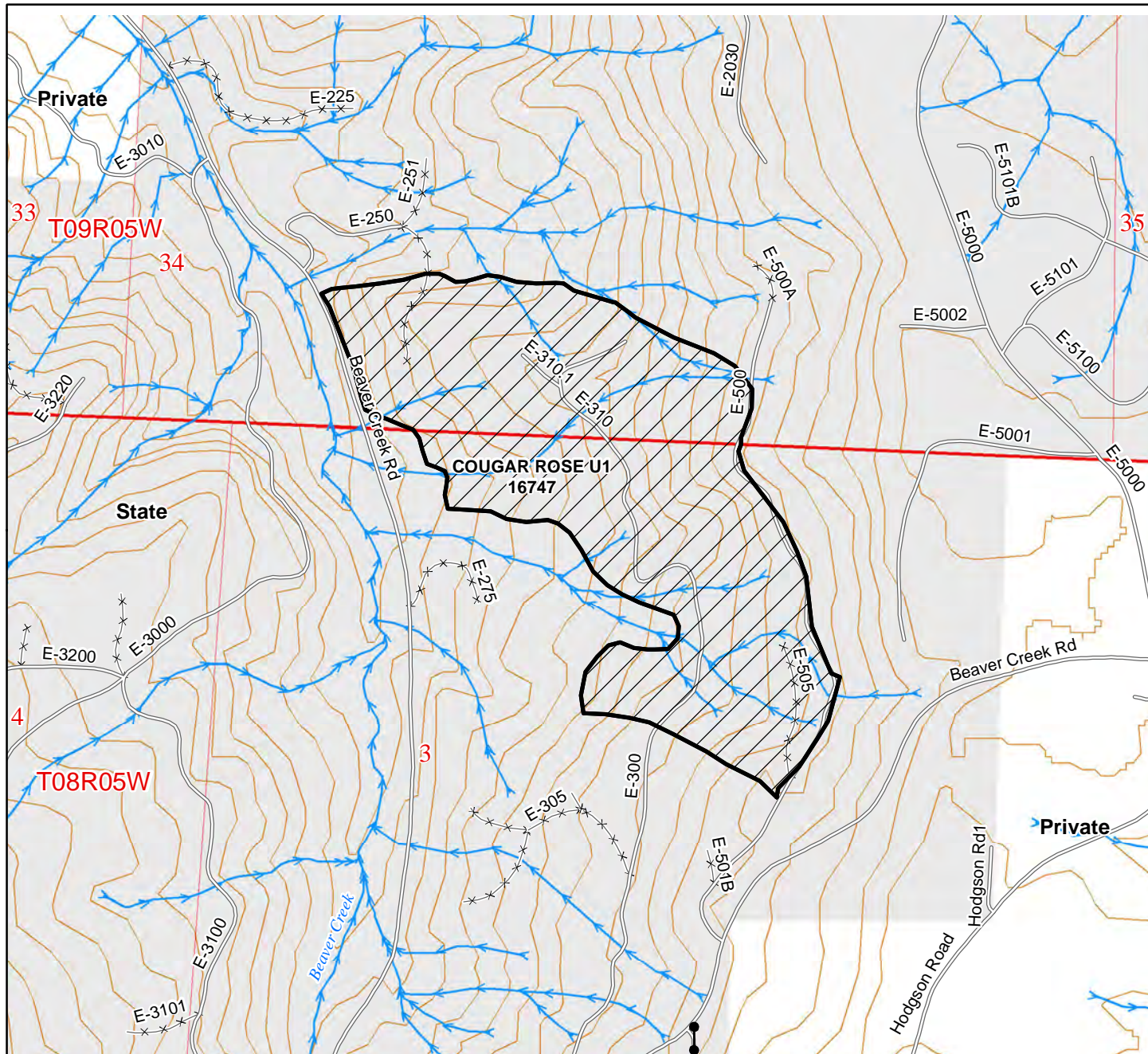
Bid No. 1407

Work Unit: St Helens

Treatment Acres: 80

Unit No. 6

Unit Name: COUGAR ROSE U1



40' Contours

1:10,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 400-1000
 Gate: No
 Key:
 Origin Year: 2001
 Fire Zone: 651S

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

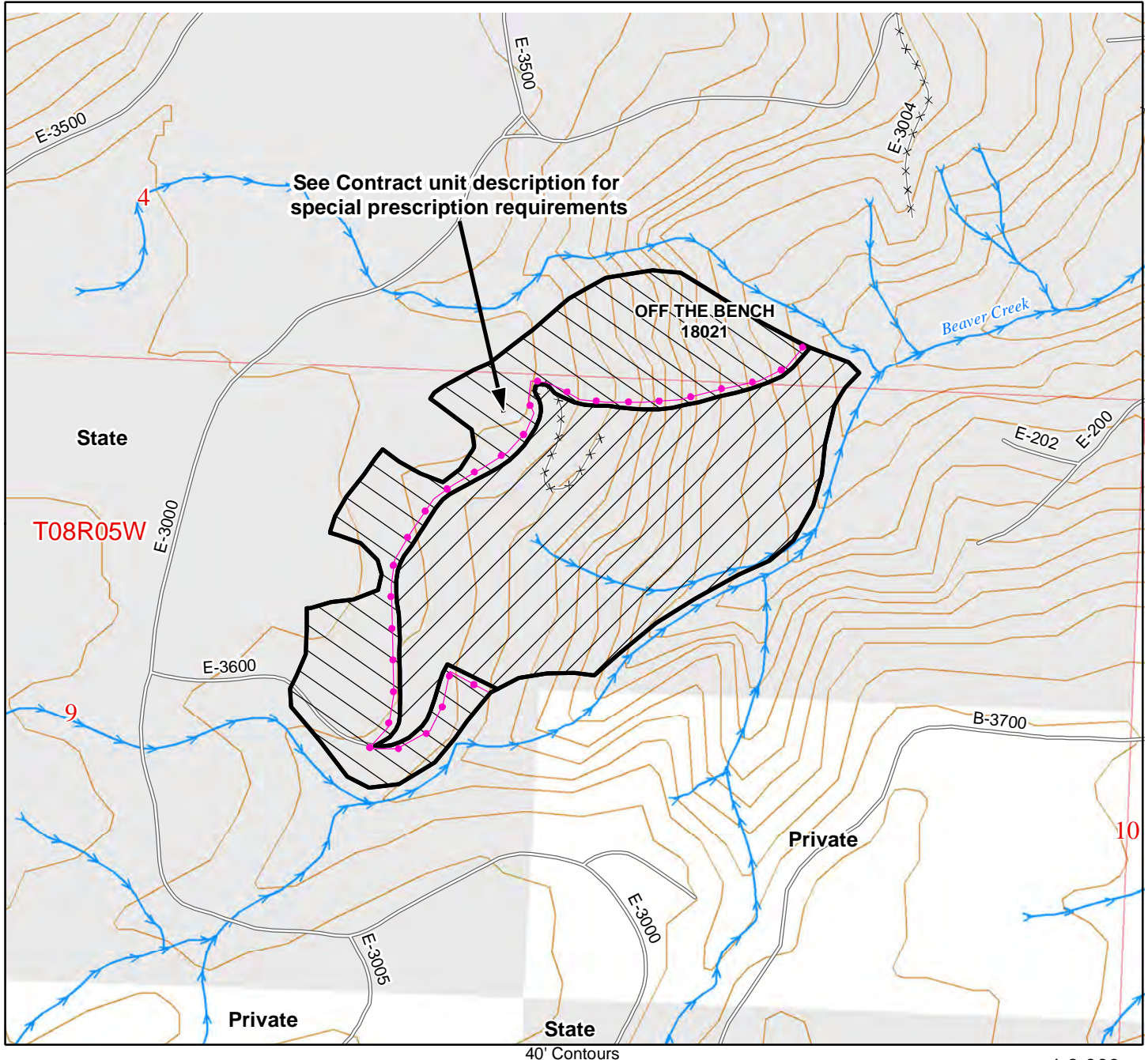
Bid No. 1407

Work Unit: St Helens

Treatment Acres: 64

Unit No. 7

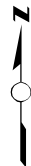
Unit Name: OFF THE BENCH



40' Contours

1:8,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 800-1400

Gate: No

Key:

Origin Year: 1998

Fire Zone: 651S

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

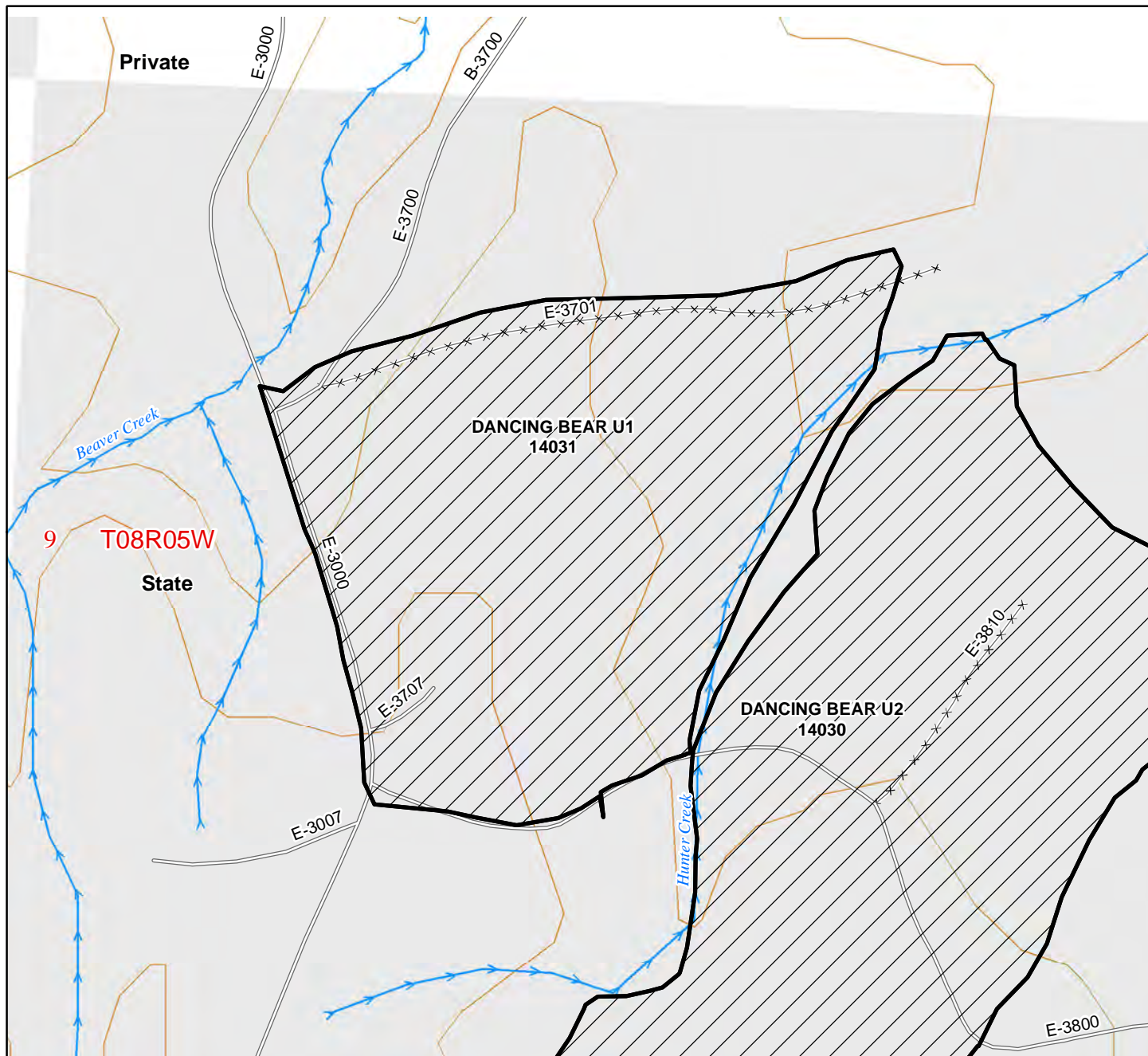
Bid No. 1407

Work Unit: St Helens

Treatment Acres: 24

Unit No. 8

Unit Name: DANCING BEAR U1



- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1300-1400
 Gate: No
 Key:
 Origin Year: 1997
 Fire Zone: 651S

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

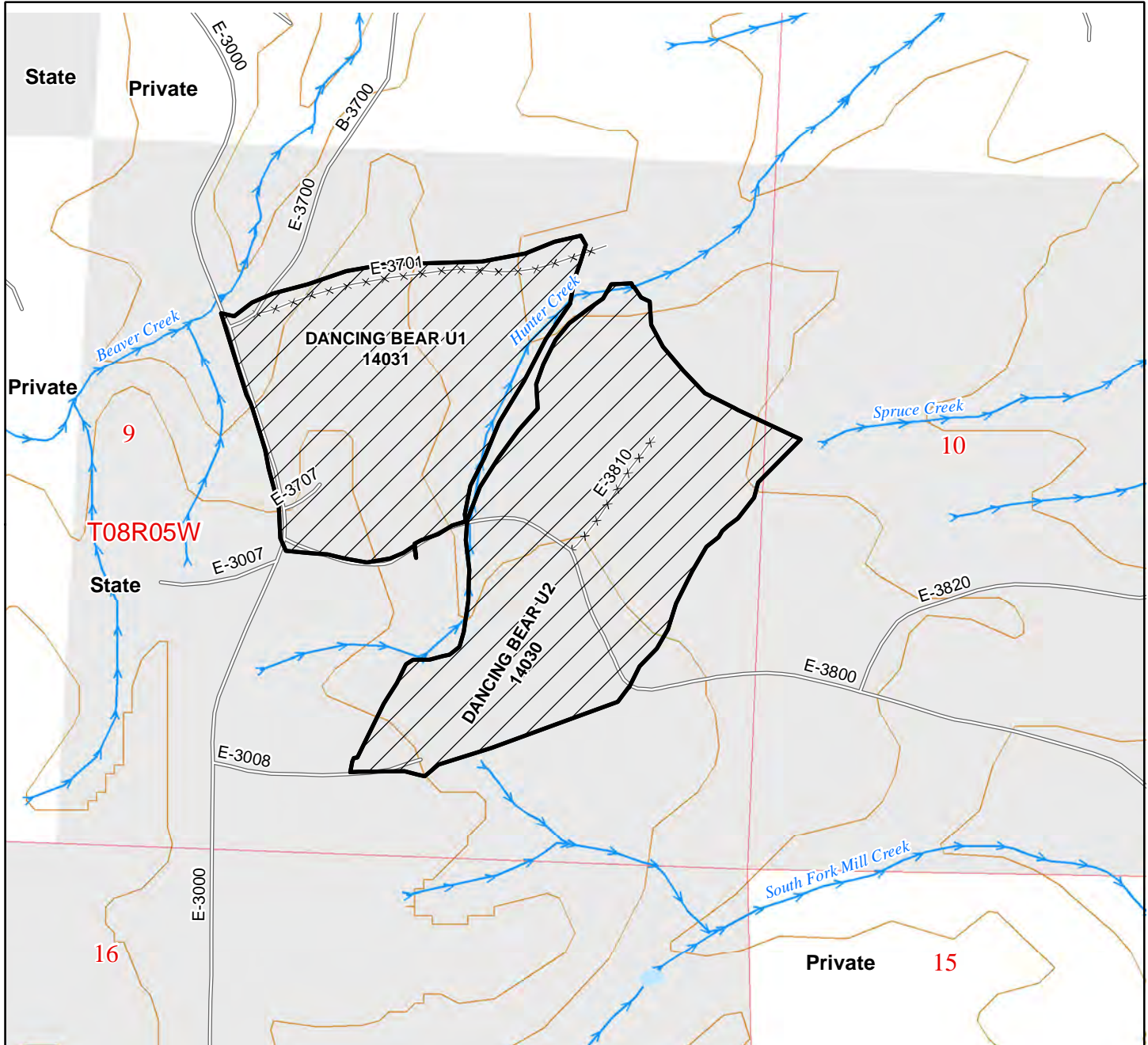
Bid No. 1407

Work Unit: St Helens

Treatment Acres: 30

Unit No. 9

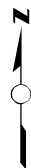
Unit Name: DANCING BEAR U2



40' Contours

1:7,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1300-1400

Gate: No

Key:

Origin Year: 1997

Fire Zone: 651S

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

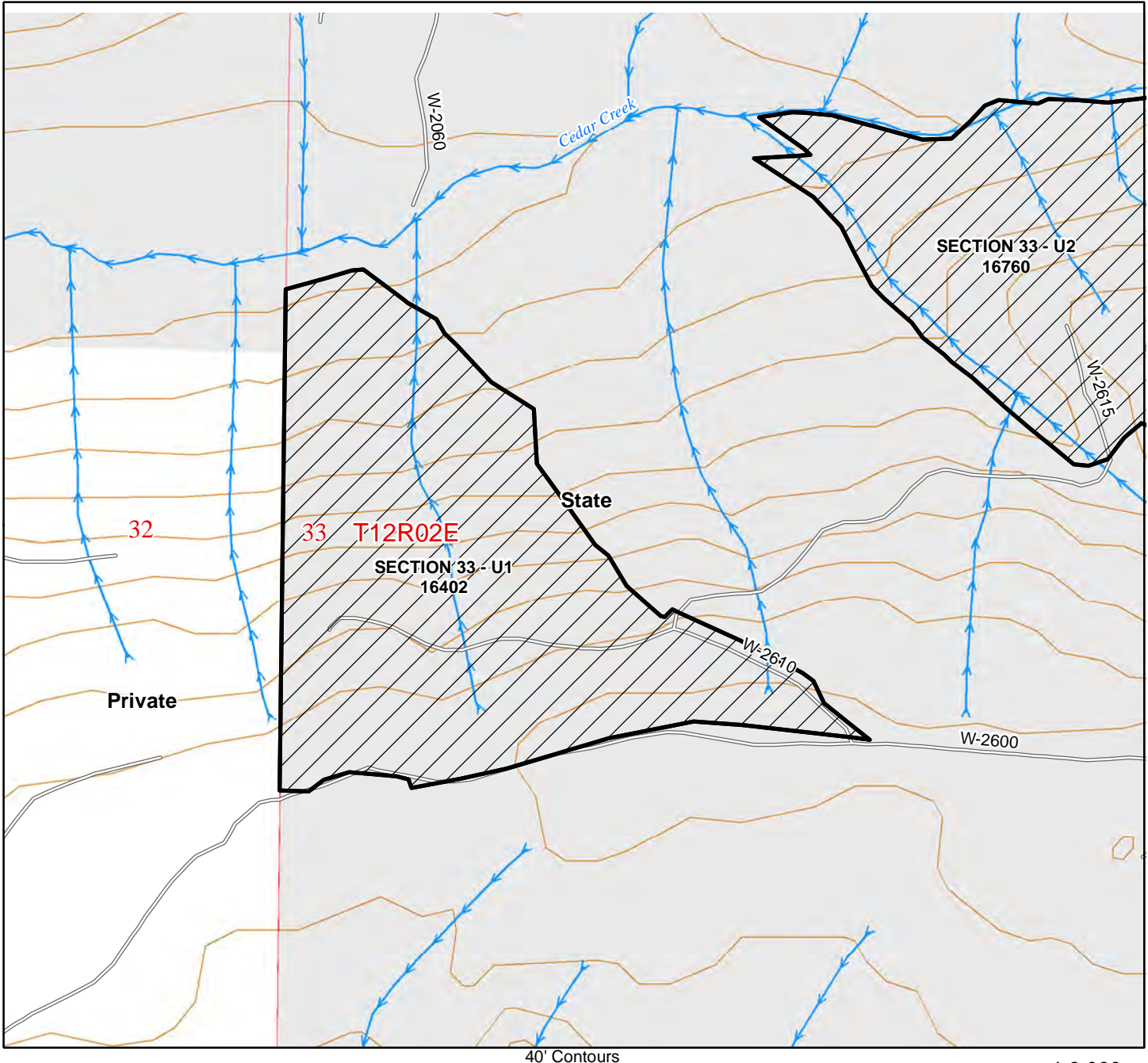
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 36

Unit No. 10

Unit Name: SECTION 33 - U1



	Unit Boundary		Pink Flagging	 Elevation: 1100-1500 Gate: Yes Key: PCP1-1 - DNR Origin Year: 1999 Fire Zone: 655
	Treatment Area		Gate	
	DNR Managed Lands		Tank Trap	
	Existing Roads		Earth Barrier	
	Non-Driveable Access		Other Barrier	
	Trails		Streams	

1:6,000

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

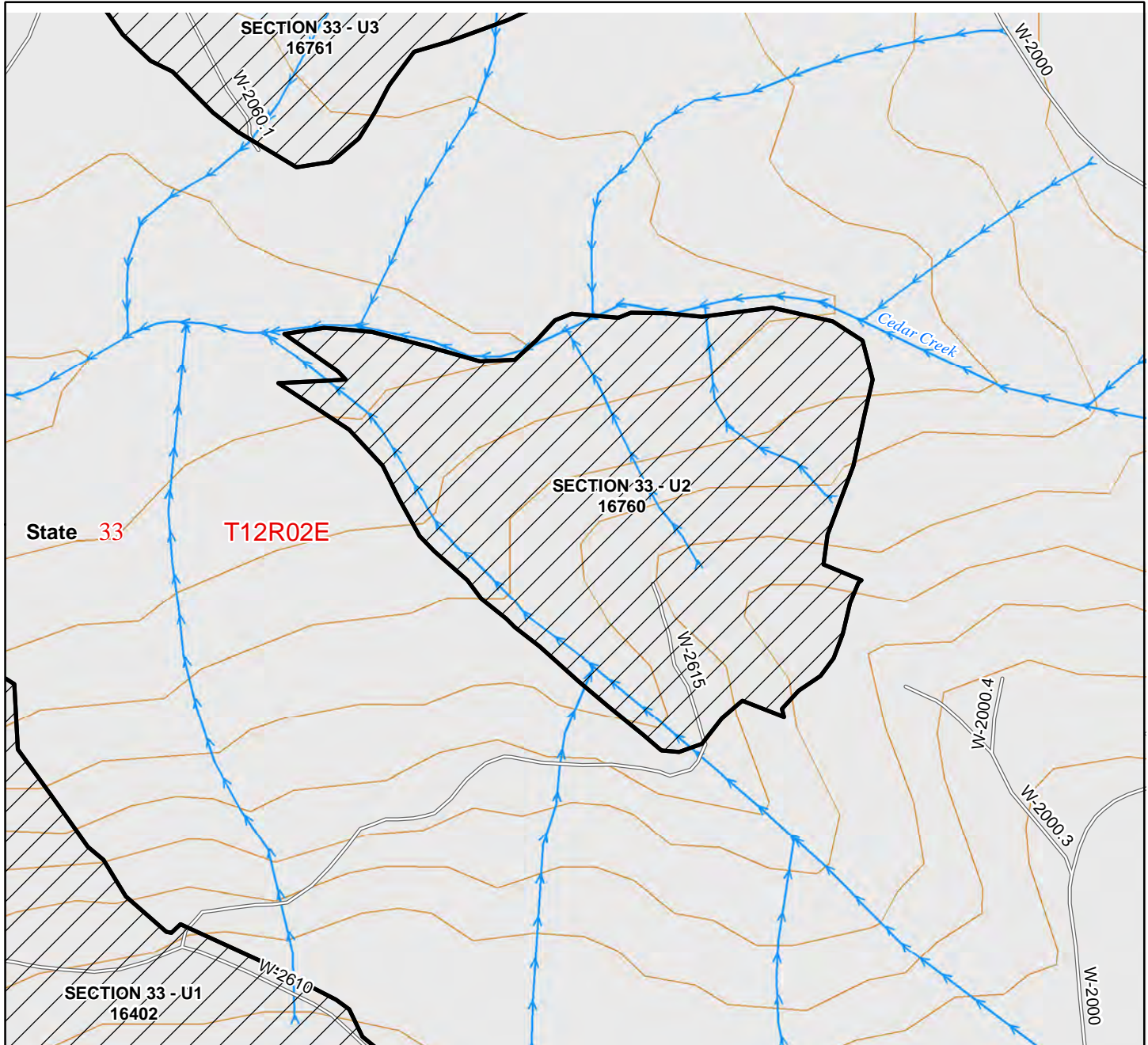
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 26

Unit No. 11

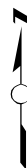
Unit Name: SECTION 33 - U2



40' Contours

1:5,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1100-1300

Gate: Yes

Key: PCP1-1 - DNR

Origin Year: 1999

Fire Zone: 655

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

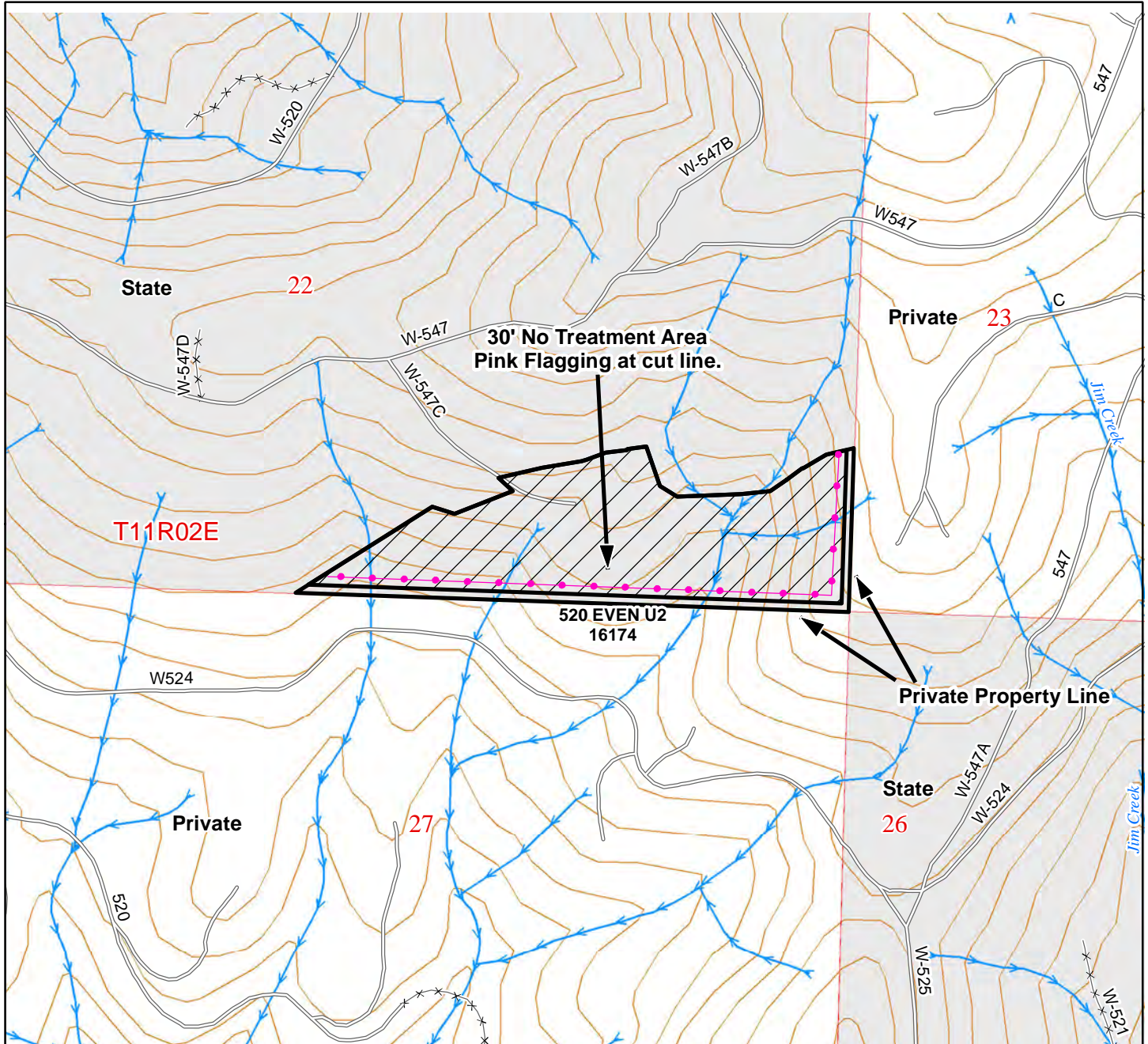
Bid No. 1407

Work Unit: Lewis

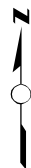
Treatment Acres: 30

Unit No. 13

Unit Name: 520 EVEN U2



- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1600-1900

Gate: Yes

Key: PCP1-1 - DNR

Origin Year: 2000

Fire Zone: 655

40' Contours

1:9,000

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

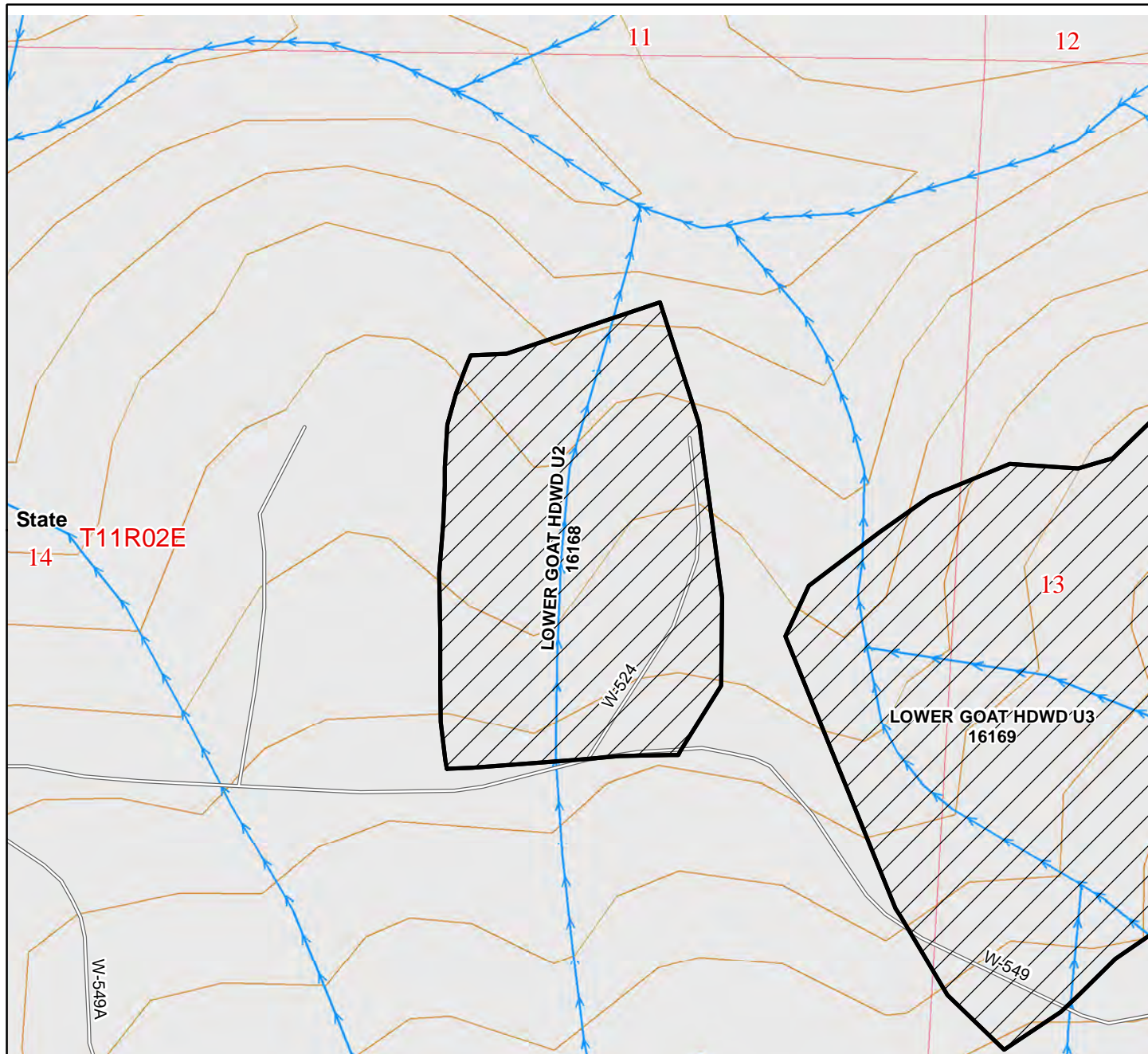
Bid No. 1407

Work Unit: Lewis

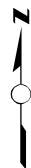
Treatment Acres: 6

Unit No. 14

Unit Name: LOWER GOAT HDWD U2



- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1200-1400
 Gate: Yes
 Key: PCP1-1 - DNR
 Origin Year: 1999
 Fire Zone: 655

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

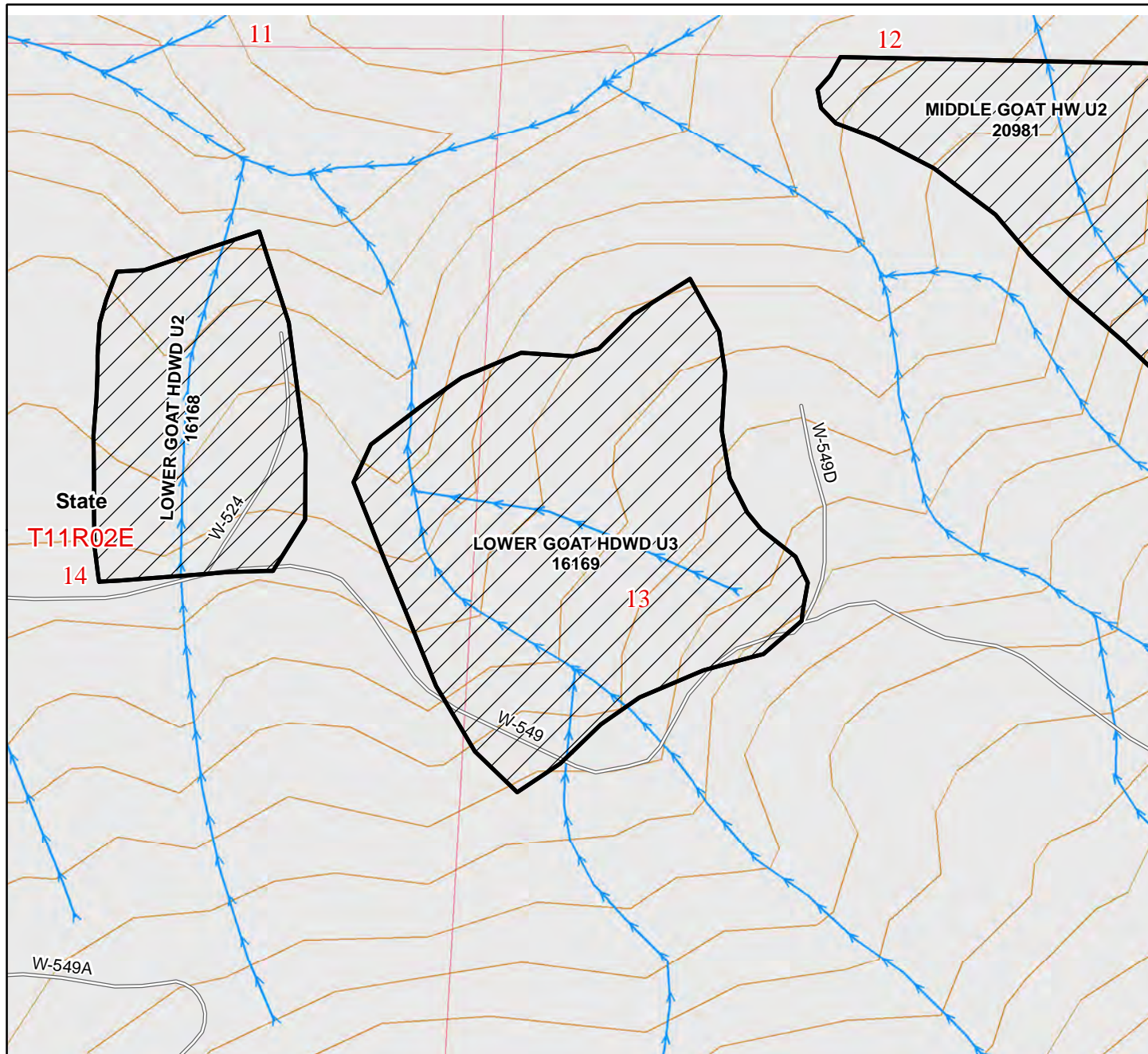
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 14

Unit No. 15

Unit Name: LOWER GOAT HDWD U3



40' Contours

1:4,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1300-1600

Gate: Yes

Key: PCP1-1 - DNR

Origin Year: 1999

Fire Zone: 655

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

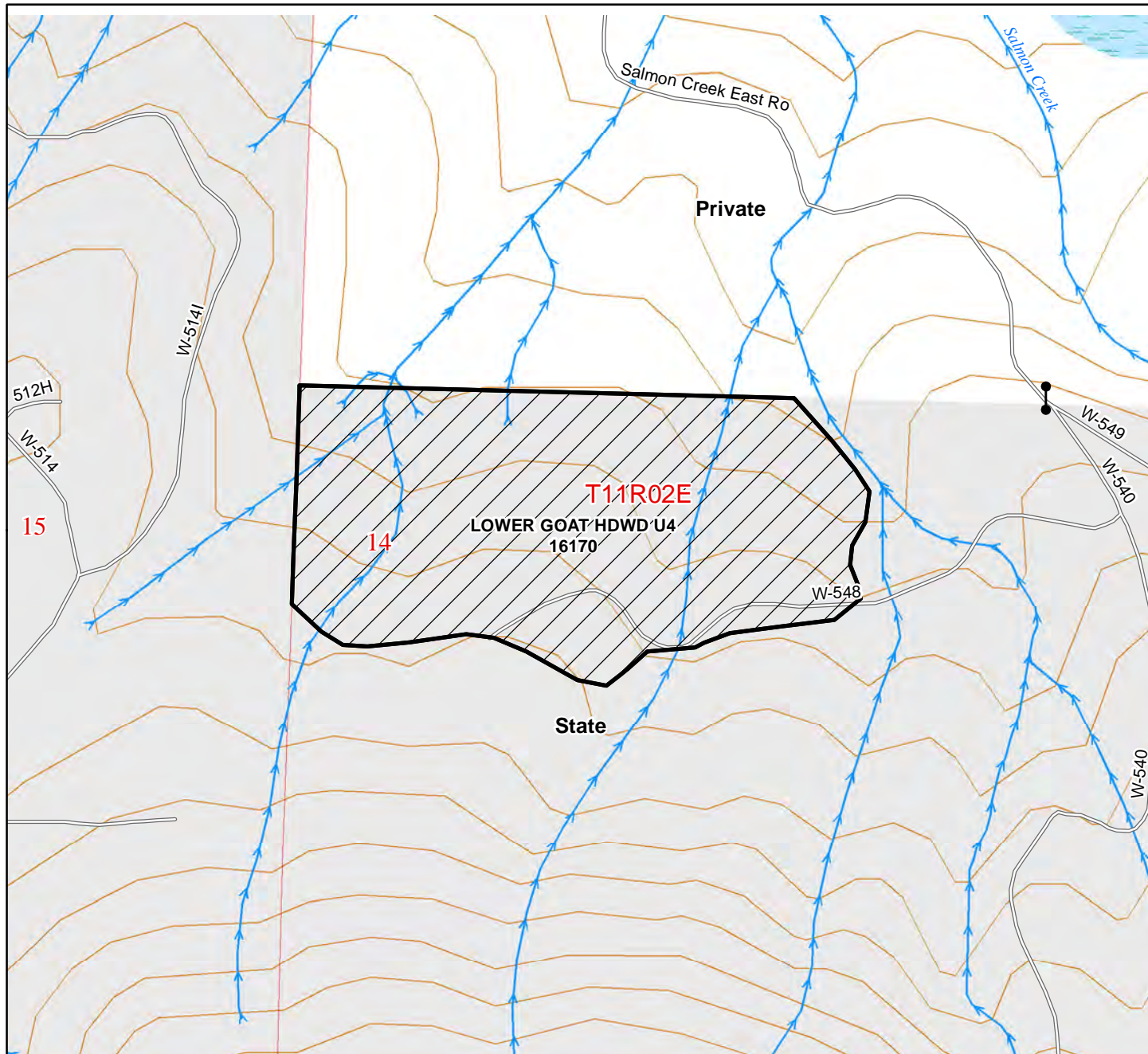
Bid No. 1407

Work Unit: Lewis

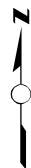
Treatment Acres: 23

Unit No. 16

Unit Name: LOWER GOAT HDWD U4



- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1200-1400
 Gate: Yes
 Key: PCP1-1 - DNR
 Origin Year: 1999
 Fire Zone: 655

40' Contours

1:5,000

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

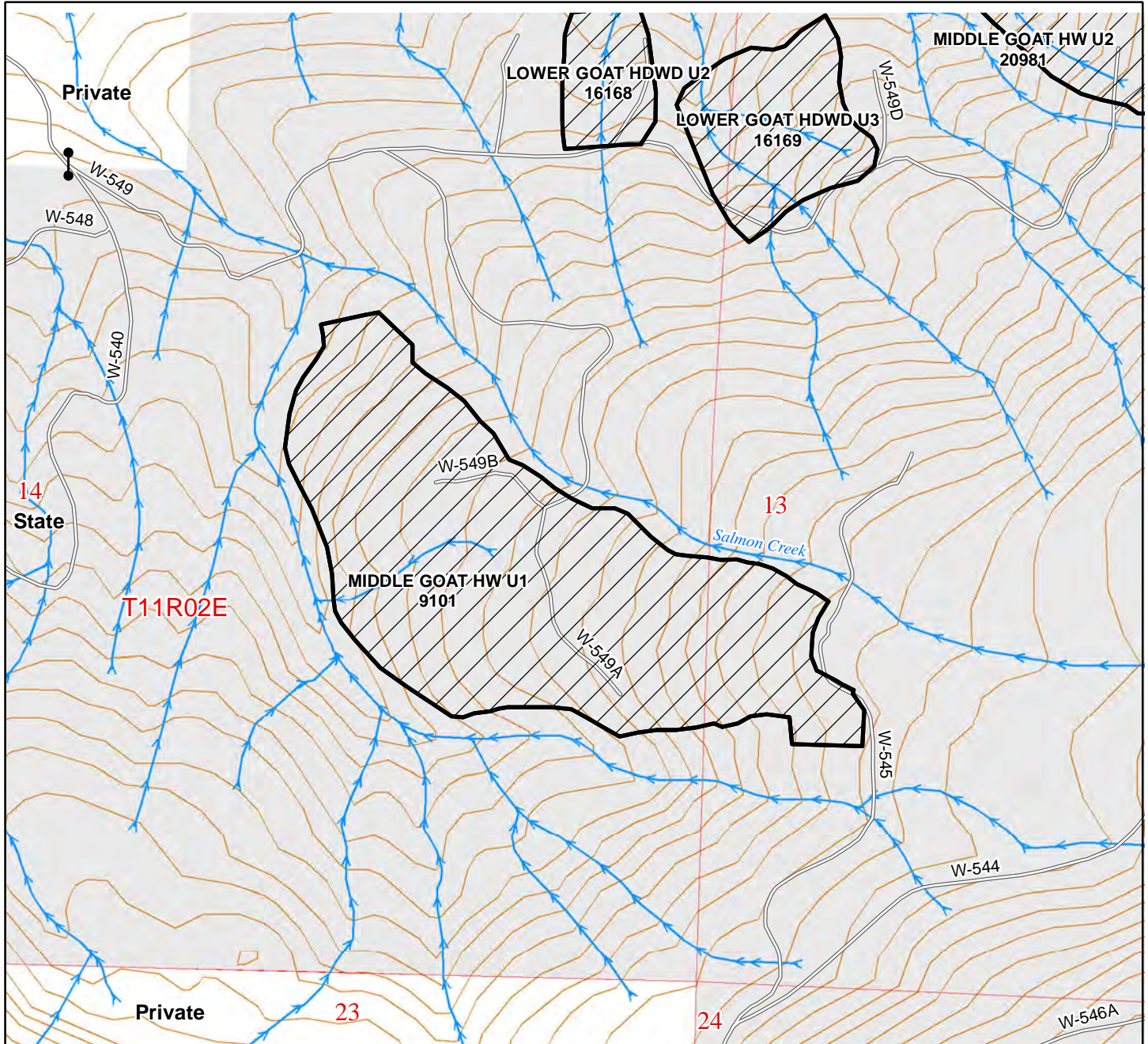
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 65

Unit No. 17

Unit Name: MIDDLE GOAT HW U1



- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1300-2000
 Gate: Yes
 Key: PCP1-1 - DNR
 Origin Year: 2003
 Fire Zone: 655

1:9,000

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

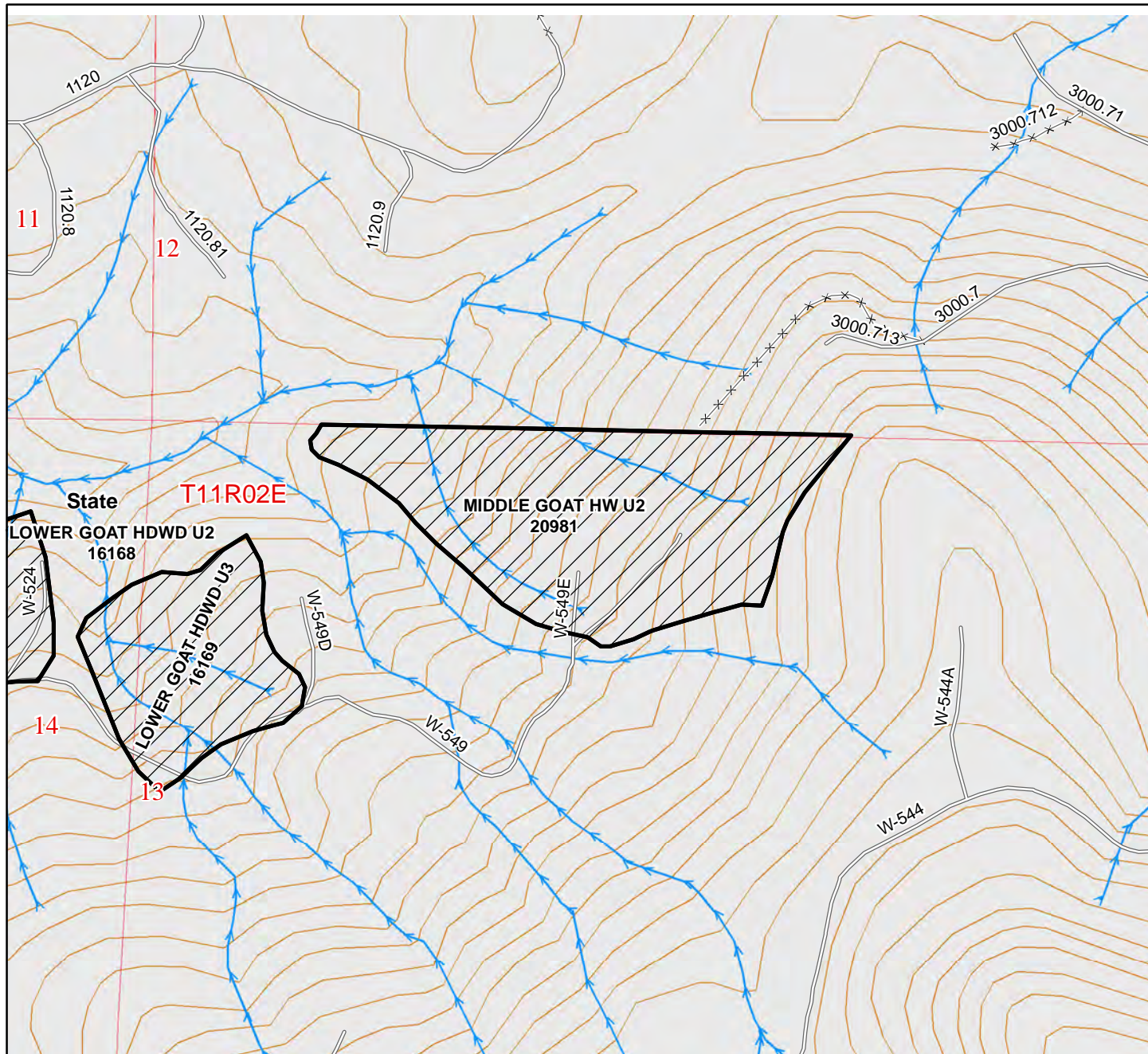
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 29













Unit No. 18

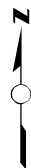
Unit Name: MIDDLE GOAT HW U2



40' Contours

1:8,000

- | | | | |
|---|----------------------|---|---------------|
|  | Unit Boundary |  | Pink Flagging |
|  | Treatment Area |  | Gate |
|  | DNR Managed Lands |  | Tank Trap |
|  | Existing Roads |  | Earth Barrier |
|  | Non-Driveable Access |  | Other Barrier |
|  | Trails |  | Streams |



Elevation: 1400-1900

Gate: Yes

Key: PCP1-1 - DNR

Origin Year: 2003

Fire Zone: 655

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

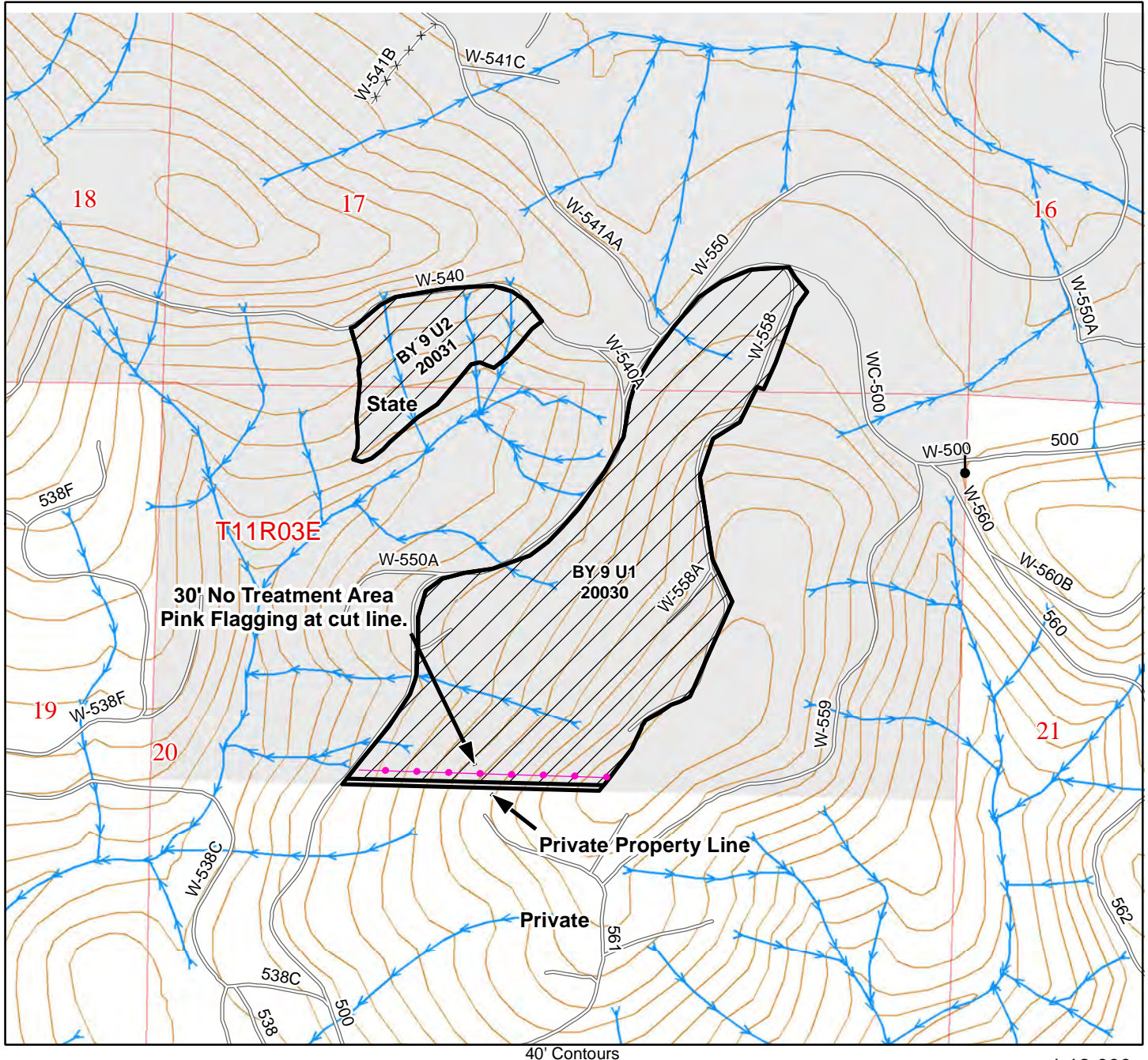
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 92













Unit No. 19

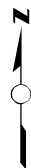
Unit Name: BY 9 U1



40' Contours

1:12,000

- | | | | |
|---|----------------------|---|---------------|
|  | Unit Boundary |  | Pink Flagging |
|  | Treatment Area |  | Gate |
|  | DNR Managed Lands |  | Tank Trap |
|  | Existing Roads |  | Earth Barrier |
|  | Non-Driveable Access |  | Other Barrier |
|  | Trails |  | Streams |



Elevation: 1600-2000

Gate: Yes

Key: PCP1-1 - DNR

Origin Year: 2001

Fire Zone: 655

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

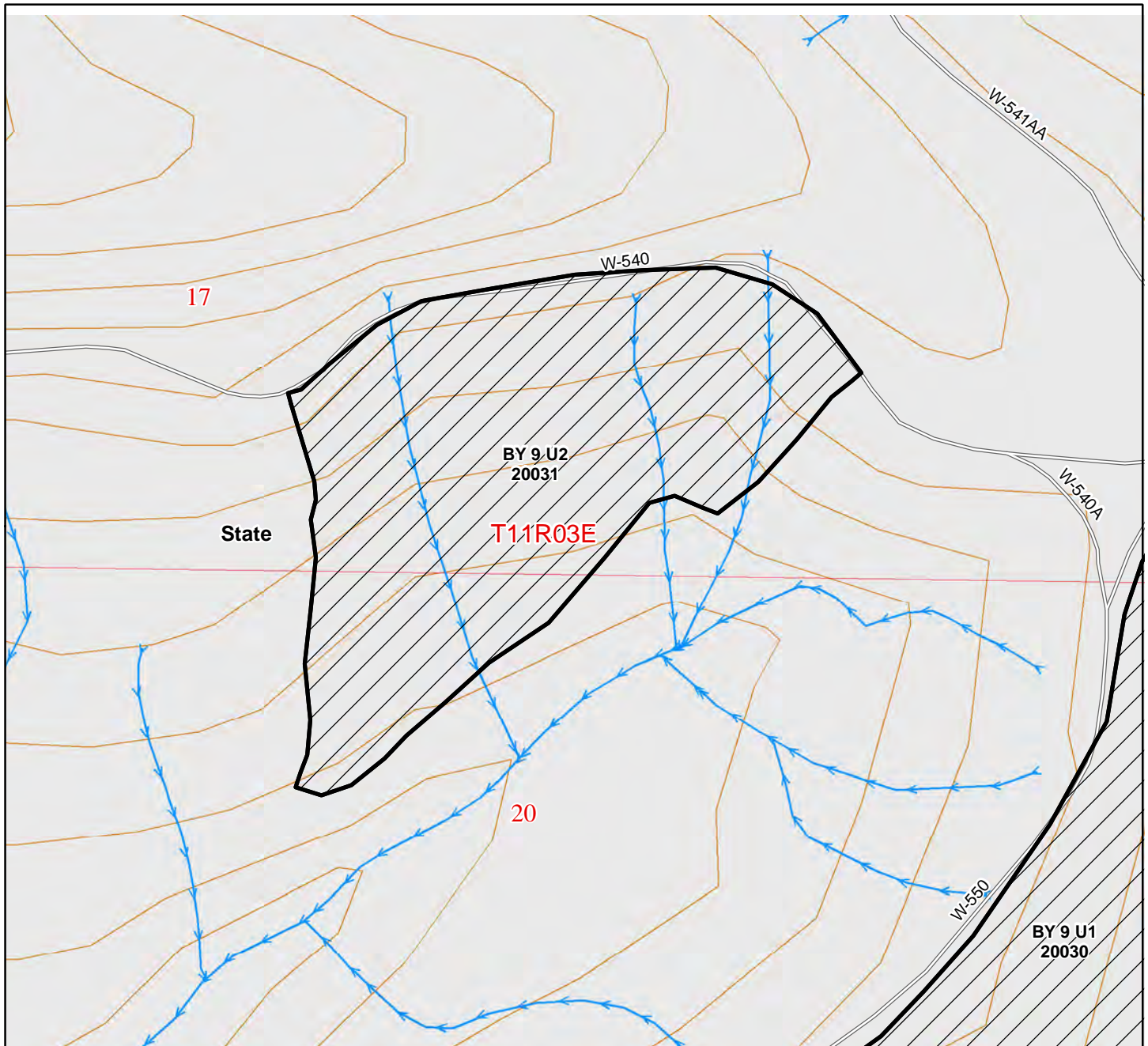
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 17













Unit No. 20

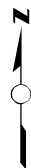
Unit Name: BY 9 U2



40' Contours

1:4,000

- | | | | |
|---|----------------------|---|---------------|
|  | Unit Boundary |  | Pink Flagging |
|  | Treatment Area |  | Gate |
|  | DNR Managed Lands |  | Tank Trap |
|  | Existing Roads |  | Earth Barrier |
|  | Non-Driveable Access |  | Other Barrier |
|  | Trails |  | Streams |



Elevation: 1600-1800

Gate: Yes

Key: PCP1-1 - DNR

Origin Year: 2000

Fire Zone: 655

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

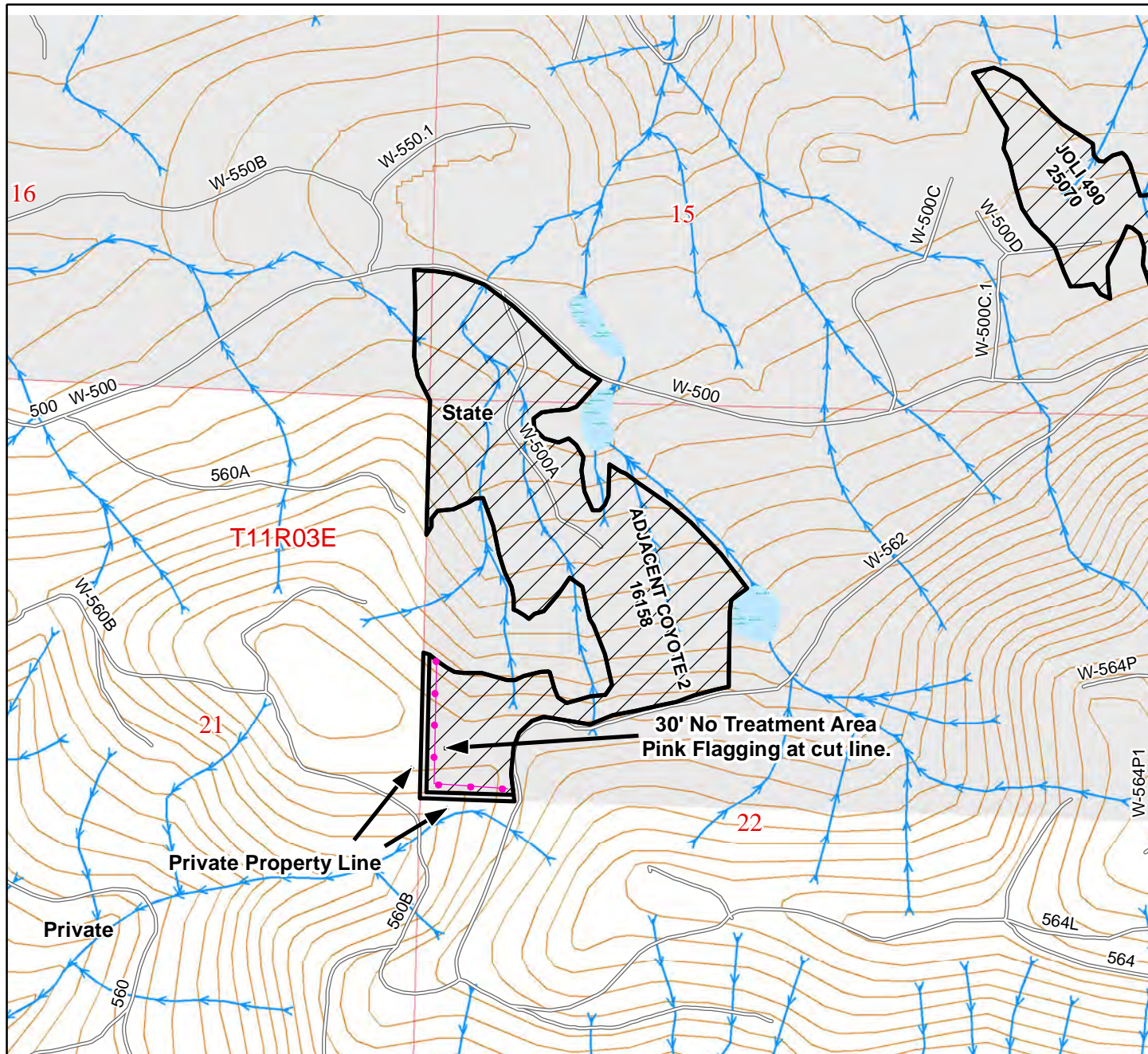
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 77

Unit No. 21

Unit Name: ADJACENT COYOTE 2



40' Contours

1:12,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1900-2400

Gate: Yes

Key: PCP1-1 - DNR

Origin Year: 2000

Fire Zone: 655

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

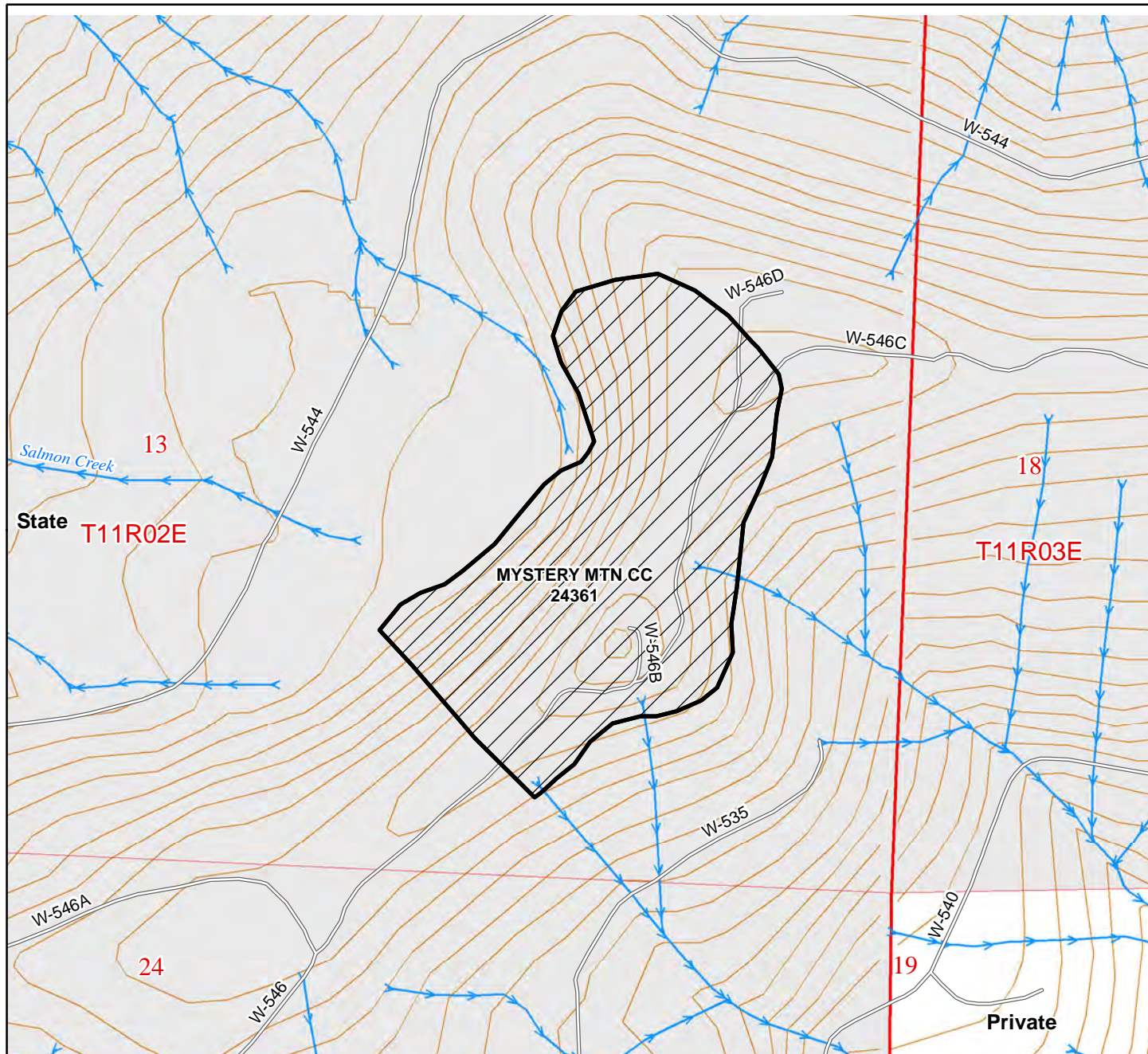
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 46

Unit No. 22

Unit Name: MYSTERY MTN CC



- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 2300-2600
 Gate: Yes
 Key: PCP1-1 - DNR
 Origin Year: 1999
 Fire Zone: 655

UNIT MAP

Activity Type: Pre-commercial Thinning

Pacific Cascade Region

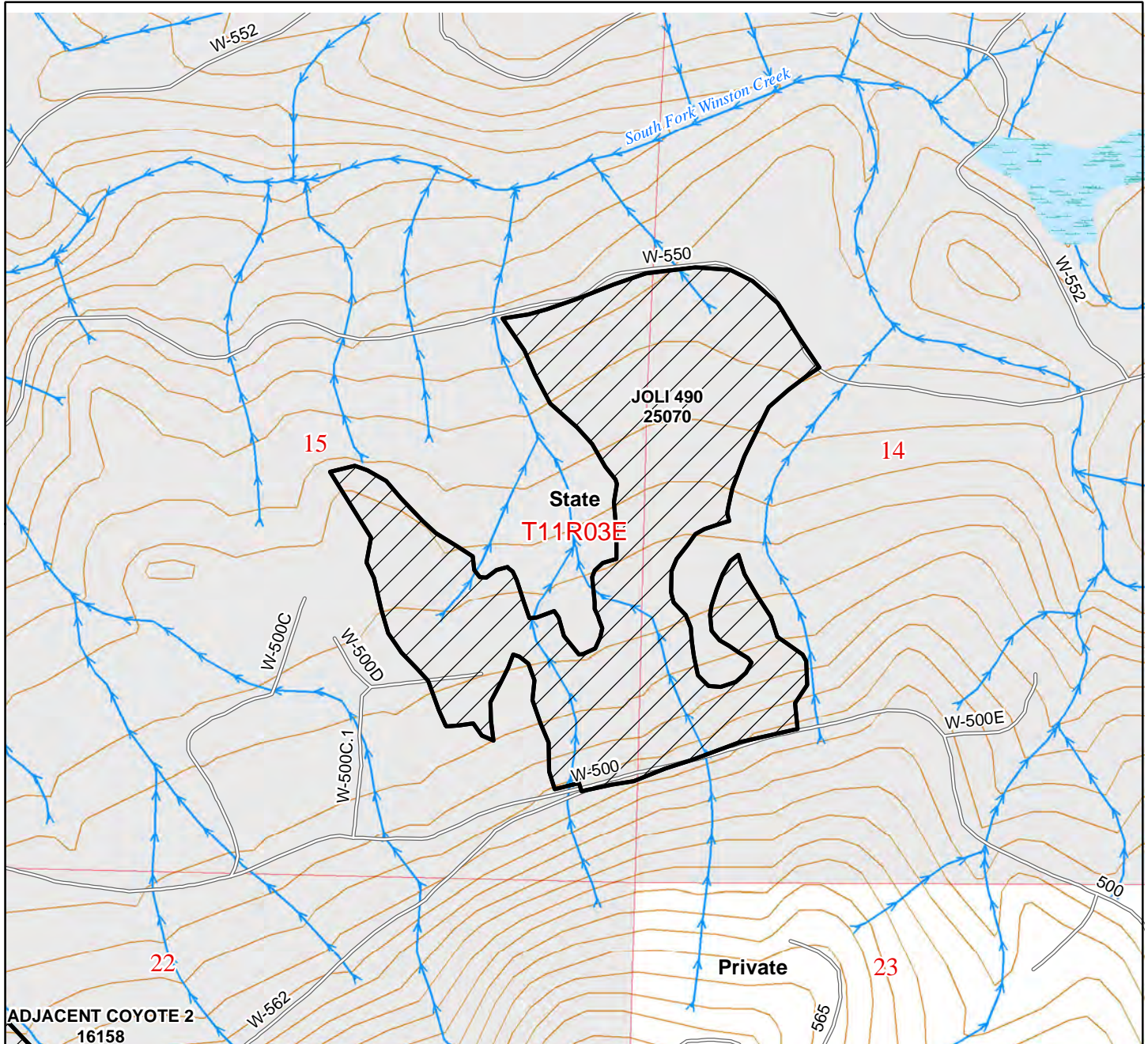
Bid No. 1407

Work Unit: Lewis

Treatment Acres: 76

Unit No. 23

Unit Name: JOLI 490



ADJACENT COYOTE 2 16158 1:10,000

- | | | | |
|--|----------------------|--|---------------|
| | Unit Boundary | | Pink Flagging |
| | Treatment Area | | Gate |
| | DNR Managed Lands | | Tank Trap |
| | Existing Roads | | Earth Barrier |
| | Non-Driveable Access | | Other Barrier |
| | Trails | | Streams |



Elevation: 1700-2100
 Gate: Yes
 Key: PCP1-1 - DNR
 Origin Year: 2003
 Fire Zone: 655

SECTION IV BID FORM

PRECOMMERCIAL THINNING

INVITATION TO BID/CONTRACT NUMBER **1407**

Award of contract shall be on an **UNIT** basis.

At the following rates, the undersigned hereby offers and agrees to furnish materials, equipment, supplies, supervision, and services in compliance with all terms, conditions and specifications of Invitation to Bid/Contract Number **1407**.

Unit No.	Name	Acres ¹	Unit Bid Price (Per Acre)	Unit Total ²
1	BONANZA	34	\$ _____/Ac	\$ _____
2	ALREADY THERE	78	\$ _____/Ac	\$ _____
3	LUCIDITY	96	\$ _____/Ac	\$ _____
4	TAKE THREE U3	24	\$ _____/Ac	\$ _____
5	CRITERIONLESS U1	95	\$ _____/Ac	\$ _____
6	COUGAR ROSE U1	80	\$ _____/Ac	\$ _____
7	OFF THE BENCH	64	\$ _____/Ac	\$ _____
8	DANCING BEAR U1	24	\$ _____/Ac	\$ _____
9	DANCING BEAR U2	30	\$ _____/Ac	\$ _____
10	SECTION 33 – U1	36	\$ _____/Ac	\$ _____
11	SECTION 33 – U2	26	\$ _____/Ac	\$ _____
12	SECTION 33 – U3	32	\$ _____/Ac	\$ _____
13	520 EVEN U2	30	\$ _____/Ac	\$ _____
14	LOWER GOAT HDWD U2	6	\$ _____/Ac	\$ _____
15	LOWER GOAT HDWD U3	14	\$ _____/Ac	\$ _____
16	LOWER GOAT HDWD U4	23	\$ _____/Ac	\$ _____
17	MIDDLE GOAT HW U1	65	\$ _____/Ac	\$ _____
18	MIDDLE GOAT HW U2	29	\$ _____/Ac	\$ _____
19	BY 9 U1	92	\$ _____/Ac	\$ _____
20	BY 9 U2	17	\$ _____/Ac	\$ _____
21	ADJACENT COYOTE U2	77	\$ _____/Ac	\$ _____
22	MYSTERY MTN CC	46	\$ _____/Ac	\$ _____
23	JOLI 490	76	\$ _____/Ac	\$ _____
Total Acres		1,093	TOTAL BID \$	\$ _____

Please limit my total award to a maximum of approximately _____ acres. The business named hereon is certified by the Office of Minority and Women's Business Enterprises and is bidding as a _____ owned business. (Enter either minority or woman, if appropriate.)

Firm Name: _____ Address: _____
 Signature: _____ City and State: _____
 Title: _____ Phone: _____

Note: Detach and return one (1) copy of this form as per instructions to bidder page 2 of contract

¹An approximate number.

²Exclusive of Washington State Sales Tax.

SECTION V
OFFER and CONTRACT AWARD

OFFER (For Bidder Use Only)

On condition of a contract award within sixty (60) days of bid opening and for the bid price the undersigned hereby offers and agrees to furnish materials, equipment, supplies, supervision, and services in compliance with all terms, conditions and specifications of Invitation to Bid/Contract Number **1407**. Submittal of this document with authorized signature constitutes complete understanding of all terms and conditions. And further, submittal of this document constitutes acceptance of and agreement to comply with all terms and condition of the contract if awarded, and verifies that all goods and services will be available throughout the contract period.

(Company Name)

(Address)

(City) (State) (Zip)

(UBI No.)

(L & I Industrial Insurance Account No.)

(Farm Labor Contractor License No.)

(Federal I.D. No. or Social Security No.)

By: _____

(Signature) (Date)

(Typed or Printed Name)

(Title)

(phone No.)

CONTRACT AWARD (For Dept. of Nat. Resources Use Only)

Contract Number 1407 is hereby awarded and executed between _____ and the State of Washington, Department of Natural Resources, to be effective _____, 20____. This award is for **1407** Number(s) _____.

State of Washington,
Department of Natural Resources

By: _____

(Signature) (Date)

Eric Wisch
Pacific Cascade Region Manager

NOTE: Detach and return this form per instructions to bidders page 2 of contract.

**CONTRACTOR'S DECLARATION of
INDUSTRIAL INSURANCE STATUS**

INVITATION TO BID NUMBER 1407

The undersigned represents that they operate as ___ an individual, as ___ a partnership, or as ___ a corporation incorporated in the State of _____. The undersigned further certifies that they ___ will, ___ will not, be assisted by other individuals in the performance of this contract.

For the purpose of Industrial Insurance premiums payable to the Department of Labor and Industries, every individual in a partnership or joint venture must sign this bid sheet. Individuals not signing the bid sheet but assisting with the contract work will be considered workers for the purpose of Industrial Insurance except at the express approval of the Department of Labor and Industries.

Firm Name _____	Labor & Industries Account # _____
Signature _____	Washington Business License # _____
Title _____	Additional Signatures _____
Address _____	_____
City and State _____	_____
Business Phone _____	_____
Home Phone _____	_____

To whom it may concern:

This is to advise persons engaged in contracting forest activities of their liabilities under the mandatory provisions of the Industrial Insurance Act, Title 51 RCW.

The law provides benefits for a worker, injured in the course of his employment, or his family or dependents in case of death of the worker.

Worker is defined in the law as every person employed by an employer or every person working under an independent contract, the essence of which is that person's personal labor.

As one who contracts to perform forest activities you may require the assistance of other individuals to complete these contracts. If such is the case you are required to establish an industrial insurance account with the Department of Labor and Industries and pay the prescribed premium on behalf of your workers.

In the event you obtain the assistance of another person or persons to perform work in connection with your contract, regardless of the circumstances, you should contact the Department of Labor and Industries at one of its statewide service locations or its Olympia headquarters in the General Administration Building. You will then be provided with the necessary information regarding opening an account, premium rates, and reporting requirements.

The law also provides that any agency or firm that lets a contract is liable for payment of industrial insurance premiums should the contractor fail to do so. The agency or firm may also withhold money due the contractor to insure payment of premium. Consequently, failure to comply with the above requirements could delay payment of retained funds.

Note:

Return one (1) copy of this form as per Clause I-45.

RES 55-3513 (6/84)