

State of Washington
Department of Natural Resources
Doug Sutherland, Commissioner of Public Lands

Pacific Cascade Region
INVITATION TO BID/CONTRACT NUMBER 1224

Contract Digest For TREE PLANTING:

Notice to All Bidders
Instructions to Bidders
Division I - Bidding Requirements
Division II - General Provisions
Division III - Specifications
Division IV - Compliance Inspection
Tree Planting Spreadsheets
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Offer and Contract Award

NOTICE TO ALL BIDDERS

Bids will be received at the Department's Pacific Cascade Region office. Mailing address:

Department of Natural Resources
Pacific Cascade Region, Attn: Chris Rasor
P. O. Box 280
Castle Rock, WA 98611

Bid Opening: Bids will be accepted at the Department's Pacific Cascade Region office until 2:00 P.M. Pacific Standard Time on Tuesday, December 2, 2008 at which time and place all bids will be opened and read aloud.

You are invited to bid this work and are advised to examine the areas prior to bidding. Questions pertaining to unit(s) can be answered by contacting Department Representative, Chris Rasor, at 360-274-2058.

Note the following specifications of this contract:

1. Term of contract: Item A January 5, 2009 – April 3, 2009
Item B January 5, 2009 – April 3, 2009
2. A pre-bid field tour for Item A units will begin at Menlo workcenter (directions page 35) at 0900 Thursday, November 20th for any contractors interested in touring the blowdown salvage.
3. Item A requires a per thousand tree bid price and will be paid based on the actual number of trees planted (SEE SECTION 2-40) Item B requires a per acre bid price (see bid forms for details).
4. Planting stock will be available beginning January 5, 2009 from the following cooler facilities:
Item A (all units) Menlo Workcenter Tree Trailer (see driving directions page 35)
Items B (B1-B9) Chehalis Cooler I-5 exit 72 (driving directions/map page 36)
Item B (B10-B45) Castle Rock Cooler I-5 exit 48 or 49 (driving directions/map page 37)
5. Planting specifications for all Western redcedar seedlings must comply with General Specifications clause 3-20. All Western redcedar not planted per specifications listed under clause 3-20 will constitute an unsatisfactorily planted tree per clause 3-21.1.
6. Contractor or contractor's representative must be present at bid opening. Bids will not be accepted without a qualified representative present.
7. A BID DEPOSIT IS REQUIRED WITH THIS BID OPENING (SEE CLAUSE 1-23).
8. Provide proof of 2009 Farm Labor Contractor's License or letter of exemption from the Department of Labor & Industries at bid opening.
9. Preview Maps detailing access roads & units may be picked up at the Pacific Cascade Region Office in Castle Rock. These large area maps will replace the former vicinity maps for individual units in Silviculture Contracts submitted by Pacific Cascade Region.

INSTRUCTIONS TO ALL BIDDERS

Deliver all requested forms, bid deposits, performance/damage deposits, certification of insurance, Contractor's Declaration of Industrial Insurance, and equipment and/or operator certifications when required to:

Pacific Cascade Region Manager
Department of Natural Resources
Attn: Chris Rasor
P. O. Box 280 (Mailing Address)
601 Bond Road (Physical Street Address)
Castle Rock, WA 98611

The bid and bid deposit must be received at the Department's Pacific Cascade Region office prior to bid opening.

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

Addressed to: Pacific Cascade Region Manager
Department of Natural Resources
Attn: Chris Rasor
P. O. Box 280 (Mailing Address)
601 Bond Road (Physical Street Address)
Castle Rock, WA 98611

Upper left corner: Bidder's Address

Lower left corner: Tree Planting - "Sealed Bid"
Invitation to Bid/Contract No. 1224

Questions concerning this Invitation to Bid/Contract should be referred to Department Representative Chris Rasor, of the Pacific Cascade Region office by calling 360-274-2058.

SECTION II, Division I - Bidding Requirements

1-10 Preparation of Bids

- 1-11 Bidders are expected to examine this entire Invitation to Bid/Contract and are urged to inspect the work unit(s) prior to submission of any bid. No consideration shall be given any claim of bidding without comprehension of conditions.
- 1-11.1 A pre-bid field tour for Item A of this contract will be held on Thursday, November 20th at Menlo workcenter beginning at 0900. Please call Chris Rasor at 360.880.8288 if you plan on attending. This tour will answer questions specific to Item A RMZ, blowdown salvage planting units and any other general contract questions.

1-20 Submission of Bids

- 1-21 Your bid response to this Invitation to Bid/Contract is an offer to contract with the Department of Natural Resources. A bid response becomes a contract when officially accepted and awarded by the department as evidenced by return of a countersigned SECTION IV, "Offer and Contract Award".
- 1-22 Bids shall be submitted using the Bid Form and the Offer and Contract Award form from SECTION IV of this document. Telegraphic, mailgram, Telex and facsimile bids will not be considered. The following shall be delivered to the Department's Region office in an envelope which shall be marked "Sealed Bid" and addressed to the Department's Regional Manager as specified in Instructions To All Bidders: The Bid Form and the Offer and Contract Award form properly completed and signed, and a bid deposit as specified in Clause 1-23. Failure to comply with the above requirements or the requirements of Clause 1-23 prior to bid opening shall be cause to reject the Contractor's bid(s).
- 1-23 A bid deposit (guarantee) in the amount of FIVE HUNDRED DOLLARS (\$500) is required. This deposit is for the express purpose of assuring the Department that the Contractor will honor said bid and accept award of any and all items on which the Contractor may be the lowest responsible bidder. In the event the Contractor fails to honor said bid by rejecting award of any item, the Contractor will automatically forfeit the bid deposit. The bid deposit must be a certified check and must be delivered to the Department's Region office as per Clause 1-22. The bid deposit of a successful bidder will be released when the required performance/damage deposit (Clause 1-31) has been submitted and approved.

1-30 Performance/Damage Deposit

- 1-31 Contractor agrees to furnish a performance/damage deposit in the amount of ten percent (10%) of the Contractor's total award. The deposit shall be submitted as per clause 1-46, and shall be in the form of certified check, savings account assignment, or irrevocable letter of credit acceptable to the Department. This deposit is to guarantee performance of all provisions of this contract and payment of any damages caused by operations under this contract or resulting from Contractor's noncompliance with any contract provisions or the law.
- 1-32 Bid deposits may be converted to apply to part or all of the required performance/damage deposits after successfully securing a bid.

1-40 Award of Contract

- 1-41 Oral explanation and interpretations prior to bid opening shall not be binding.
- 1-42 Award of contract shall be on the basis of an "Item" or an individual "Unit" as specified in the Bid Form. An "Item" shall be a specific group of individual "Units". "Items" or "Units" to be awarded are identified in the Bid Form. Individual "Units" are described in the Unit Description Spreadsheet. The Department reserves the right to amend this Invitation to Bid/Contract by giving written notification to all bidders seven (7) days or more prior to bid opening.
- 1-43 Award of contract shall be to the lowest responsible bidder as determined by the Department of Natural Resources (Clause 1-44). To be considered, bids must conform to the bidding requirements herein, except that the Department may waive informalities and minor irregularities in bids received. The Department further reserves the right to reject any or all bids received.
- 1-44 Award is conditioned in addition to price, on the Contractor showing upon request by the Department of Natural Resources the capability of fulfilling the contract terms herein by reason of past performance, ability to complete work in the specified time, previous and existing compliance with laws relating to this contract, and the character, reputation, judgment, and experience of the bidder, and other information which may be secured and have a bearing upon award. Failure to demonstrate this capability or to conform to the contract terms herein, will nullify award on all or certain items tentatively awarded. In the event of such failure, the Department shall be the sole judge of the items to be selected for award and/or nullification of award.
- 1-45 An Award Instructions letter and a copy of the executed contract will be mailed to the successful bidder. The contract award is conditioned on the following: Within ten (10) days after the Contractor receives their Award Instructions letter the Department must receive from the Contractor the performance/damage deposit, certification of insurance, and the Contractor's Declaration of Industrial Insurance Status as specified in Clauses 1-31, 2-24 and 2-29 respectively, and furthermore the Contractor shall submit the aforementioned through the Department's Region office specified in Instructions To All Bidders (page 2). It shall be the Department's prerogative to extend the time allowed for receipt of the above items if such an extension is in the best interest of the Department. Failure by the Contractor to submit the above items to the Department within the time specified or within an extension of that time as provided for shall be cause for the Department to consider the contract award rejected (Clause 1-23).

SECTION II, Division II - General Requirements

2-10 Definitions

- 2-11 Department: The Department of Natural Resources of the State of Washington, action by or through an authorized employee or agent.
- 2-12 Contractor: The person, partnership, or corporation to whom the contract is awarded.

2-20 Responsibilities and Legal Relations

- 2-21 The Contractor shall abide by and comply with all the laws and regulations of the United States, State of Washington and counties wherein the work is executed insofar as they affect his/her contract. The Contractor will make any payments, contributions, remittances and all reports and statements required under said laws.
- 2-22 The Contractor shall, without additional expense to the Department, obtain all required licenses and permits necessary for executing provisions of his/her contract with the Department.
- 2-23 The Contractor shall save harmless the State of Washington, the Department, their officers, agents and employees from any and all claims for damages, injuries to persons or property that may occur as a result of the performance of the Contractor, agents or employees in connection with this contract.
- 2-24 The Contractor shall have and maintain for the life of the contract, liability insurance covering each motor vehicle operating hereunder with limits not less than \$1,000,000 of personal injury and property damage. The Department shall be supplied with a certificate of insurance coverage, as per Clause 1-45.
- 2-25 The Contractor shall abide by and comply with all laws and regulations of the United States, State of Washington and counties wherein the work is executed insofar as they affect the safety, health and welfare of any and all employees.
- 2-26 In the event of legal conflict, the Contractor agrees to submit to the jurisdiction of the courts of the State of Washington and further agrees the venue shall be laid in Thurston County.
- 2-27 The State is not liable for delay or non-shipment of supplies and materials or for delay or nonperformance of its obligations if occasioned by war, civil commotions, strikes, lockouts or labor disturbances.
- 2-28 For all active work sites the Contractor shall provide a contract representative who shall be on the site and responsible for directing the contracted activities of that site. The Contractor shall designate the contract representative in writing at the time of the prework conference (Clause 2-71).
- 2-29 The Contractor shall complete and submit to the Department the Contractor's Declaration of Industrial Insurance Status form; the form shall be submitted as per Clause 1-45. A Contractor's Declaration of Industrial Insurance Status form will accompany the Award Instructions letter.

2-30 Subcontracting

- 2-31 The Contractor shall not, without written approval from the Department enter into any subcontract or assignment of contract relating to the performance of this contract.
- 2-32 All laws and regulations applicable to the contract also apply to all subcontracts.

2-40 Determination of Payment

2-41 The boundaries as designated under Clause Section 2-100, and defined in detail on the Unit Description attached, provide the basis for determining acreage 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. If work extends beyond unit boundaries, charges may be levied against the Contractor by the Department for damages suffered.

2-41.01 Item A requires a per thousand tree bid price for all units. Item A unit boundaries are variable due to areas of dense natural western hemlock regeneration and dense areas of standing trees. These areas are small and variable within the larger planting units resulting in the inability to accurately determine net planting acreage. To provide a more equitable system for the Department and Contractor, Item A units will be paid on the basis of actual number of trees planted within each unit (minus any deductions for planting quality <92% or >105%).

2-42 The total trees planted by the Contractor will be determined using acres completed (Clause 2-41) and the findings from the planting inspection plots (Division IV) as follows:

2-42.01 From planting inspection plot findings the Department will calculate the average number of trees planted per acre. The average number of trees planted per acre multiplied by the number of acres completed equals the total number of trees planted.

2-43 Contract compliance inspection of work performed and payment for work performed will be based on acreage completed (Clause 2-41) for Item B.

2-43.01 Contract compliance inspection of work performed and payment for work performed will be based on the number of trees planted per unit for Item A (minus any deductions for planting quality <92% or >105%).

2-44 The acceptability of planting work performed and the rate of pay for planting work performed will be based on the seedling planting performance rating resulting from the Department's inspection as described in Division IV - Compliance Inspection.

2-44.01 Satisfactory Planting Performance - The Contractor's performance of seedling planting will be considered satisfactory if the seedling planting performance rating for work performed is determined to be between 92% and 105%.

2-44.02 Rate of Pay - The Contractor's rate of pay for work performed will be at the Unit Bid Price when the Compliance Inspection indicates planting performance is satisfactory (Clause 2-44.01). The Contractor's rate of pay will not exceed the per acre (item B) or per thousand rate (item A) of the Unit Bid Price. The Contractor's performance of seedling planting will be considered unsatisfactory if the seedling planting performance rating for work performed is determined to be greater than 105% or less than 92%. The minimum damages that will be collected for unsatisfactory work for which seedling planting performance is rated at less than 92% or >105% are as follows: For work which has the seedling planting performance rated at less than 92% but equal to or greater than 59%, the Contractor's pay will be at a rate equal to the Unit Bid Price reduced by 5% for every one percentage point the seedling planting performance rating is below 92%. Work which has the seedling planting performance rated at 58% or less will not qualify for pay. For work that is above 105%, the unit bid price will also be reduced by 5% for every one percentage point the seedling planting performance rating is above 105%.

Payment Examples

1. Assumption: The Unit Bid Price is \$65 per acre and the seedling planting performance rating is 90% for work completed.

Conclusion: The seedling planting performance rating of 90% is two percentage points less than the 92% performance limit; a 5% reduction for each of the percentage points equals a total reduction in the Unit Bid Price of 10%. Therefore, 100% minus 10% equals a 90% rate of pay per acre which is: $90\% \times \$65/\text{acre} = \$58.50/\text{acre}$.

2. Assumption: The Unit Bid Price is \$190 per thousand and the seedling planting performance rating is 108% for work completed.

Conclusion: The seedling planting performance rating of 108% is three percentage points greater than the 105% performance limit; a 5% reduction for each of the percentage points equals a total reduction in the Unit Bid Price of 15%. Therefore, 100% minus 15% equals an 85% rate of pay which is: $85\% \times \$190 \text{ per thousand} = \$161.50 \text{ per thousand}$. This reduced rate of pay applies to all trees planted in the respective unit.

2-45 The Department may at its option subdivide and inspect units to determine the acceptability of work performed. Subdivisions for this purpose will be a minimum of ten (10) acres in size.

2-46 At the Department's option, the Contractor shall rework a unit or subdivision of a unit on which the Contractor's work performance is not rated satisfactory, and further, it shall be the Department's option to require the rework be completed prior to starting new work. Reworked areas will be reexamined for contract compliance; the resulting performance rating will supersede the previous performance rating for the area in question.

2-47 Payment shall be made as follows:

2-47.01 Payment may be made by the month, unit or by one total payment. Details of payment schedule will be determined in the prework conference (Clause 2-71). The Department will attempt to comply with the desires and needs of the Contractor but assumes no legal duty or obligation to adhere to the schedule of payment so arranged.

2-47.02 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 Contractor's Billing Invoice and Compliance Report provided by the Department. The Contractor or contract representative (Clause 2-28) shall sign the Contractor's Billing Invoice 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 forwards the Contractor's Billing Invoice and Compliance Report to the Department's Region office for processing.

2-47.03 The Contractor or contract representative (Clause 2-28) and the Department representative shall sign the Contractor's Billing Invoice and Compliance Report form at the conclusion of work on each unit. Final payment will not be made to the Contractor unless the Contractor's Billing Invoice and Compliance Report form are signed by the Contractor or contract representative and the Department representative, and "final" payment is designated thereon.

- 2-47.04 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. THIS CLAUSE ONLY APPLIES TO UNITS WITH A PER ACRE PAY RATE (EXCLUDES ITEM A UNITS IN THIS CONTRACT). 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.
- 2-47.05 Ten percent (10%) of all payments due Contractors who employ workers shall be retained for a period of approximately forty-five (45) days following final acceptance of the completed unit. Upon receipt of notice from the State Department of Revenue and the Department of Labor and Industries that the Contractor has met all financial obligations related to this unit, the ten percent (10%) retainage will be returned to the Contractor. A copy of the Department of Labor and Industries requirements will be forwarded to the successful bidder along with the Award Instructions letter.

2-50 Nondiscrimination

- 2-51 Except to the extent permitted by a bona fide occupational qualification the Contractor agrees as follows:
- 2-51.01 The Contractor shall not discriminate against any employee or applicant for employment because of race, creed, national origin, sex or age. The Contractor will insure that applicants are employed and that employees are treated during employment without regard to race, creed, color, national origin, sex or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training.
- 2-51.02 The Contractor shall, in all solicitations for employees or job orders for employees placed with any employment agency, union or other firm or agency, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, national origin, sex or age. The words "equal opportunity employer" in advertisements shall constitute compliance with this section.
- 2-51.03 The Contractor shall send to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union, or worker's representative of the Contractor's commitments under this section.
- 2-51.04 The Contractor shall include the provisions of the foregoing paragraphs: 2-51.01, 2-51.02 and 2-51.03 in every subcontract or purchase order for the goods or services which are the subject matter of this contract.
- 2-52 In the event of noncompliance by the Contractor with any of the nondiscrimination provisions of the contract, the Department shall have the right, as its option, to cancel the contract in whole or in part. The Contractor shall be paid only for that work performed prior to cancellation of the contract and in accordance with provisions of the contract (Clause Section 2-40). In the event the Department suffers damages resulting from such noncompliance the Contractor shall be liable.

2-60 Contract Administration

- 2-61 The Department will select representative(s) to enforce compliance of the contract as required in all specifications and to make recommendations for payment.

2-70 Contract Work Procedure

- 2-71 The Contractor shall attend a prework conference prior to commencing contract work (see Clauses 2-28, 2-47.01, 2-72, 3-34.01 and 3-44). The time and place of the prework conference shall be determined by the Department, the Contractor will be notified of the time and place when the contract is awarded. When considered practical by the Department the time and/or place of the prework conference may be altered if requested in writing by the Contractor.
- 2-72 A work schedule is required from the contractor. The work schedule shall be set at the prework conference (Clause 2-71) and must be acceptable to the Department. To be acceptable the work schedule must be practicable: The work schedule must identify the latest date by which the Contractor agrees to commence contract work on each unit awarded. The work schedule must allow a reasonable time period for the work to be completed according to contract requirements herein, and further, if more than one unit has been awarded the work schedule must indicate the sequence in which the units will be worked by the Contractor. If for any reason during the contract period the Contractor's work schedule is no longer viable, the Contractor must submit a revised work schedule for Department approval.
- 2-73 The Contractor shall obtain written permission to begin work on a unit. Such permission shall be applied for through the Department's Region office listed in the Notice To All Bidders section of the contract. Permission requests will require a minimum of two working days to process. The Department at its option may require person-to-person discussions between the Contractor and selected Department representatives prior to granting the required written permission. In the event the Contractor stops work for a period of one (1) week or more, or if the initial start-up is delayed by one (1) week or more the Contractor must reapply for permission to begin work.
- 2-74 Work shall only proceed on regular Monday through Friday work days. If allowed, work on weekends or designated State holidays will require written permission from the Department.

2-80 Work Progress and Contract Performance

- 2-81 The Contractor shall begin work as per the work schedule (Clause 2-72) and in accordance with contract requirements herein (see Clauses 1-45, 2-71, 2-73 and 2-74). The Contractor shall work diligently and complete the unit(s) within the contract period specified in the Unit Description Spreadsheet. As units are sequenced in the work schedule, work started on one unit must be completed prior to beginning work on the next.
- 2-82 The Department reserves the right to modify or cancel this contract in part or whole without cause. The Contractor shall be paid only for that work performed prior to cancellation of the contract and in accordance with provisions of the contract (Clause Section 2-40).
- 2-83 Nonperformance or unsatisfactory performance or willful violation of contract requirements by the Contractor shall constitute breach of contract and the Department may at its sole option extend the contract and collect liquidated damages or terminate the contract with forfeiture of the performance/damage deposit or declare breach of contract and make claim for actual damages suffered by the Department.

2-90 Fire Responsibility

- 2-91 The Contractor and the Contractor's employees shall familiarize themselves with the Washington State Forest Fire Protection Requirements and adhere to them at all times. The operation will be subject to inspection by State personnel for adherence to regulations and presence of fire tools. All spark emitting engines will be equipped with approved spark arresters.
- 2-92 The Contractor shall not operate faulty power equipment.
- 2-93 The Contractor shall not build any open fires at anytime of the year on the contract area without first obtaining written permission from the Department.

2-100 Boundaries

- 2-101 Boundaries are illustrated on the Unit Maps and will be further clarified by the compliance forester on-site.
- 2-102 Net acreage as indicated in the Unit Description Spreadsheet 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.
- 2-102.1 Item A unit acreages are approximate; therefore, Item A units will be paid on a per thousand tree rate based on the actual number of trees planted (minus any deductions for planting quality less than 92% or greater than 105%).

2-110 Merchantable Products

- 2-111 This contract, unless specifically amended, in no way permits the contractor to remove merchantable or potentially merchantable products from the operating area for the purpose of sale or use. Contractors wanting to remove Christmas trees, boughs, brush pickings, decorative shrubs, or trees, firewood, poles, posts and other merchantable or potentially merchantable material from Department managed land must enter into a separate agreement with the Department.

2-120 Litter and Refuse

- 2-121 Litter and/or refuse brought into operating areas or campsites and rest areas used by the contractor or employees, shall be removed from the premises and disposed of in garbage disposal areas meeting all State, county, and local requirements. Such litter will include refuse resulting from equipment maintenance, abandoned equipment and containers and other expended materials.

2-130 Camping

- 2-131 Use of State owned lands, landings, roads, and Department campgrounds by the Contractor or the Contractor's employees for the purpose of lodging, parking, or camping done in connection with operation is permitted only at the express approval of the Department and may be revised or revoked for cause at any time. Camping restrictions or requirements such as chemical toilets and garbage can, but not limited thereto, may be imposed at the option of the Department.

SECTION II, Division III - Specifications

3-10 Unit Description Spreadsheet

- 3-11 The Unit Description Spreadsheet details the characteristics and specific work requirements for each unit.
- 3-12 If specific requirements of the Unit Description Spreadsheet conflict with the specifications in this division of the contract, the specific requirements of the Unit Description Spreadsheet will prevail.

3-20 General Specifications - Planting Operation

- 3-21 Protection - Within the limits of Technical Specifications - Planted Seedlings (Clause Section 3-30) trees shall be planted near stumps, logs, dead brush or other dead shade so as to provide protection from animal damage, drying winds and solar radiation. **See special requirements for all western redcedar below:**
 - 3-21.1 All western redcedar seedlings will be planted in microsites inaccessible to deer and elk.** Heavy concentrations of slash, dead brush or other hiding places will constitute acceptable planting spots for western redcedar. All suitable microsites meeting the above requirements up to the desired number of cedar per acre on the unit description shall be occupied **before open ground is planted with western redcedar. Minimum spacing will be 6 feet between cedar seedlings, and 4 feet from other planted seedlings. All cedar planted in skid trails or other areas not defined as suitable microsites within this clause will be considered unsatisfactory and count against the overall performance rating of the unit.**
 - 3-21.2 Example of 300 DF/ac + 60 WRC/ac: Main crew plants 300 DF/ac at 12ft. X 12ft. spacing. 1-2 cedar planters move behind the main crew planting slashy, dead brush areas to hide cedar seedlings up to 60 WRC/ac following the main crew throughout the unit.
- 3-22 Planting Method - The "line" method of planting will be used by the main planting crews rather than having the crew randomly scattered on the unit, unless otherwise permitted by the Department representative. Each planter will only plant one (1) line at a time on each pass. As per "Seedlings Required Per Acre After Planting" each line will be at the "Approximate Spacing" given in Table A, Clause 4-32. **Western redcedar planters will be exempt from this requirement.****
 - 3-22.1 All western cedar shall be planted behind the main crew by one or more planters planting only western redcedar in the microsites described above in 3-21.1.** These planters shall plant the desired number of cedar per acre **disregarding even spacing to target the most inaccessible microsites.** Minimum spacing shall be 4 feet from other planted species and 6 feet from other cedar seedlings.
- 3-23 Weather Conditions - Planting operations will be halted when in the Department's judgment weather conditions are injurious to the seedlings. Weather conditions during which the Department does not allow planting include, but are not limited to: an air temperature of less than 32 degrees F (32EF) or greater than 65 degrees F (65EF), a wind velocity greater than twenty miles (20) per hour, the soil is frozen more than one-half (1/2) inch deep, or snow cover is greater than two (2) inches.
- 3-24 Do not plant trees in drivable roadside ditches. Abandoned roads within planting units shall be planted unless otherwise specified.

3-30 Technical Specifications - Seedling Planting

- 3-31 Planting spots shall favor survival and growth of planted seedlings.
- 3-32 Spacing and number of seedlings planted shall be in accordance with the following:
 - 3-32.01 Where planting spots are available and in accordance with all specifications of this section (3-30 Technical Specifications - Seedling Planting) seedlings shall be planted over all portions of the unit at an average spacing which will meet the Unit Description's specifications for seedlings required per acre after planting.
 - 3-32.02 While maintaining the specified average spacing (Clause 3-32.01) the spacing of individual seedlings may vary within the limits of Clause 3-32.03 where needed to locate a plantable spot.
 - 3-32.03 Seedlings shall not be planted closer than the following minimum seedling distances specified here from: another contractor planted seedling, an acceptable natural seedling, or an acceptable previously planted seedling. Acceptable natural or previously planted seedlings are defined as any conifer seedling which is 24 inches tall or taller and is well formed and vigorous.

3-32.04 Minimum seedling distance table:

<u>Primary Species</u>	<u>Total Trees per acre</u>	<u>Minimum Distance</u>
DF	150	15 feet
DF	200	15 feet
DF	250	14 feet
DF	300	9 feet
DF	350-360	8 feet
DF	400+	7 feet
RA	540	7 feet
WRC	All	4 feet from other planted
species,		6 ft from other planted WRC

- 3-33 Preparation of the planting spot is required. The preparation shall include, where appropriate, the clearing and/or scalping to mineral soil of an area which has a minimum diameter of one (1) foot and is located as near the center of the planting spot as is practicable.
 - 3-33.01 Clearing shall mean the removal of duff up to eight (8) inches deep, loosely compacted slash up to two (2) feet deep, and other accumulations such as rock, rotten wood, snow and ice, which can be removed by kicking, dragging or the use of a planting tool.

3-30 Technical Specifications - Seedling Planting (continued)

- 3-33.02 Scalping shall mean the removal of sod and that vegetation which is less than two (2) feet tall and has a base diameter of one-fourth (1/4) inch or less.
- 3-34 Planting hole location and preparation shall be as follows:
- 3-34.01 The planting hole shall be located in mineral soil and as near the center of the planting spot as is practicable. The planting hole shall be vertical, broken out on three sides and shall be wide and deep enough to fully accommodate the roots of the trees being planted. This method of preparing the planting hole will be, if requested, explained at the prework conference.
- 3-34.02 The planting hole for bare root stock shall be a minimum of ten (10) inches deep.
- 3-35 Tree Placement in Planting Hole - All seedlings, regardless of planting method, shall be suspended near the center of the planting hole with the roots in a near natural arrangement and to a depth that after filling, packing and leveling, the soil comes to a point midway between the top lateral roots and the lower needles or branches. The roots shall not be doubled up, twisted, tangled or bunched.
- 3-36 Moist mineral soil shall be filled in and firmly packed around roots. Soil packing shall be such that the seedling shall not pull loose by a firm tug on the main stem.
- 3-37 The planted seedling shall be left with the main stem and roots vertical and free to grow.
- 3-38 The stems and roots of planted seedlings shall not be damaged due to soil firming, seedling positioning or other planting activities.

3-40 General Specifications - Contractor

- 3-41 Workers, Supervision and Equipment - The Contractor shall provide all workers, adequate crew supervision and serviceable equipment to satisfactorily accomplish planting of the areas described on the Unit Description. Adequate crew supervision shall mean at least one qualified English speaking nonplanting foreperson per 10-person crew unless otherwise allowed by the Department representative. A qualified nonplanting foreperson shall mean one who has one season (at least three (3) months) of forest tree planting experience. Documentation of a nonplanting foreperson's experience shall be provided to the Department upon request. A nonplanting foreperson may also act as a contract representative, see Clause 2-28.
- 3-41.1 **Item A requires two, 10-person planting crews, each with a foreperson meeting the requirements in clause 3-41. Item B requires a minimum of one 10 person crew with a foreperson. See also unit description spreadsheets for crew strength requirements.**
- 3-42 **All Planting must be completed with tree planting shovels. Minimum shovel blade length is ten (10) inches. Shovel blades will be measured by the contract administrator prior to beginning work. No shovels with shorter blades will be allowed for planting.**
- 3-43 OMIT CLAUSE
- 3-44 Transportation of Planting Stock - The Contractor will be responsible for transportation of planting stock from the Department's Region office to the planting units unless other arrangements are detailed on the Unit Description spreadsheet or at the prework conference (Clause 2-71). **Transport of seedlings must be in a covered vehicle to and from cold storage. TARPS or other removable covers DO NOT qualify as acceptable.**

3-40 General Specifications - Contractor (continued)

- 3-45 Care of Planting Stock - From time of delivery to the Contractor, trees shall be kept free from damage at all times, including but not limited to drying, heating, smothering, freezing, drowning, or mechanical injury. Upon taking delivery of the seedlings, the Contractor will promptly deliver them to a designated storage site at the planting unit or location approved by the Department representative where they will be stored until planting. **Transport of seedlings must be in a covered vehicle per Clause 3-44.** The following specifications for seedling care during storage and handling shall be met.
- 3-45.01 Containers of trees shall be carefully handled at all times. No throwing, dropping, crushing, etc. will be permitted. A charge will result for damaged seedlings (See Clause 3-61).
 - 3-45.02 Containers of trees shall be shaded from the sun and shielded from drying winds at all times.
 - 3-45.03 Containers of trees shall be stored in a manner that will provide air circulation around each container; except when containers are stored in snow banks, snow shall be placed and maintained around each container.
 - 3-45.04 Trees will be distributed to the planters in such a manner that no more than one container of trees will be open at the assembly point at one time.
 - 3-45.05 Tree containers from which trees have been used or to which trees have been returned shall be immediately resealed with tape and/or staples. The Contractor shall supply tape and/or stapler and have them available on the work site at all times.
 - 3-45.06 Trees carried by planter shall be in a planting bag or tray and arranged for easy removal of one tree at a time.
 - 3-45.07 Trees shall be protected from desiccation at all times. At the Department's request tree roots shall be moistened with water and/or planting bags lined with damp packing material.
 - 3-45.08 At the planting spot, roots shall not be unnecessarily exposed to drying conditions. A tree shall not be removed from the planting bag or tray before a planting hole has been prepared.
 - 3-45.09 Trees shall be planted as received without further pruning or culling. If these operations appear necessary or if mold, dry roots, freezing, dying or evidence of other injury is observed, the condition shall be promptly reported to the Department representative.
 - 3-45.10 At the end of the workday, trees, which have been distributed but not planted, shall be returned to original containers for storage.
- 3-46 The Contractor shall be responsible for giving the Department one (1) full week advanced notice of the Contractor's intention of starting a unit; the Contractor then shall make all reasonable effort to begin work on said date. Less notice will not allow sufficient time for the Department to supply trees.

3-50 General Specifications - Department

- 3-51 A Department representative will acquaint the Contractor with each unit to be planted and will conduct periodic field inspections as detailed in Division IV - Compliance Inspection. Compliance inspection plot work may be done concurrently with planting work but will be completed no later than three (3) working days after work completion on the unit.

3-50 General Specifications - Department (continued)

3-52 The Department will mark access to the unit(s) within reasonable limits.

3-53 The Department will supply all planting stock. Under extreme conditions, the Department's supply of planting stock may be temporarily interrupted causing a possible delay to the Contractor.

3-60 Other Specifications

3-61 Dropped, Wasted or Damaged Seedlings - The Department will charge and deduct from the Contractor's payment **\$1.00 per tree** for those trees found dropped or otherwise wasted by the Contractor during the planting operation. **The trees found in the inspection plots may be considered representative of the area. Dumping, discarding, mishandling or otherwise destroying seedlings shall be considered a willful violation of the contract and shall be subject to breach of contract provisions.**

Ex. 10 stashed trees were found in an inspection plot. This plot represents 2.5 acres of area; therefore, 25 *\$5.00 = \$125.00 will be deducted from the payment on this unit.

3-62 Substitution of Type of Planting Stock - The Department may have to substitute planting stock, if so, this shall constitute a modification of contract and adjustment of per acre or per thousand unit bid price will be made based on the age class of the planting stock involved as per the following schedule:

<u>Age Class as Per Bid Invitation</u>	<u>New Age Class</u>	<u>Percent Adjustment</u>
P+1	netted P+1	+10%
1+1	P+1	0%

SECTION II, Division IV - Compliance Inspection

4-10 Inspection Plots

4-11 The Department will use inspection plots to determine the Contractor's seedling planting performance rating (Clause Section 4-40). Inspection plots for this purpose shall be circular and have an one-fiftieth (1/50) acre area. The seedling planting performance rating will be determined from a minimum sample of ten (10) plots, or two (2) plots for every five (5) acres of unit or subunit (Clause 2-45), whichever is more. The inspection plots will be well distributed over the compliance unit.

4-20 Inspection Plot Findings

4-21 Using criterion specified in the Unit Description and in the Technical Specifications - Seedling Planting (Clause Section 3-30) the Department representative will examine each inspection plot. The findings of the examination will be recorded as follows:

- 4-21.01 Plantable Spots - The number of plantable spots (Clause 4-32) available on the plot.
- 4-21.02 Trees Planted - The total number of Contractor planted trees within the plot.
- 4-21.03 Satisfactorily Planted - The total number of Contractor planted trees within the plot that meet all applicable specifications of the Unit Description, and Division III, Clause Section 3-30.

4-30 Technical Specifications - Planting Spots

- 4-31 Plantable Spot - A spot which will favor survival and growth of the species being planted and which has the potential of meeting all applicable specifications of both the Unit Description and the Technical Specifications - Seedling Planting (Clause Section 3-30).
- 4-32 Plantable Spots Per Inspection Plot - The number of plantable spots (Clause 4-31) per inspection plot shall be the maximum number which can be well distributed over the plot and which does not exceed a total number equal to one-fiftieth (1/50) of the number of seedlings required per acre after planting (Unit Description); see TABLE A.

4-30 Technical Specifications - Planting Spots

Seedlings Required Per Acre After Planting	TABLE A Maximum Planting Spots Allowed Per Inspection Plot	Approximate Spacing (feet)
100	2	20.9 X 20.9
150	3	17.0 X 17.0
200	4	14.8 X 14.8
250	5	13.2 X 13.2
300	6	12.0 X 12.0
350	7	11.2 X 11.2
400	8	10.4 X 10.4
450	9	9.8 X 9.8
500	10	9.3 X 9.3
550	11	8.9 X 8.9
600	12	8.5 X 8.5
650	13	8.2 X 8.2
700	14	7.9 X 7.9
750	15	7.6 X 7.6

4-40 Planting Performance Rating

- 4-41 Seedling planting shall be as per Technical Specifications - Seedling Planting (Clause Section 3-30) and the specifications of the Unit Description. The rating of seedling planting performance will be expressed as a percent and will be calculated as follows using the sum (or aggregate) of all inspection plots in a unit or subunit. The total of all recorded values for Satisfactorily Planted (Clause 4-21.03) divided by the total of all recorded values for Plantable Spots (Clause 4-21.01) times one hundred (100) equals the seedling planting performance rating percent.

$$\frac{\text{Total Satisfactorily Planted}}{\text{Total Plantable Spots}} \times 100 = \text{Planting Performance \%}$$

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SECTION IV
BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER 1224

Award of contract shall be on an Item basis as per Clause 1-42.

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 1224. **Note: Item A 57 Units A1 – A57**

Payment will be determined based on the actual number of trees planted per unit minus any deductions for planting quality <92% or >105%

Item A	Item Name	Column A Estimated # of Trees to Plant	Column B Unit Bid Price Per Thousand Trees	Column C = (A * B)/1000 Total Unit Bid Price
A1	Trapped In BD U-1	1,750		
A2	Trapped In BD RMZ 1	600		
A3	Trapped In BD U-2	7,350		
A4	Trapped In BD U-2A	2,800		
A5	Trapped In BD RMZ 2	1,250		
A6	Trapped In BD U-3	13,600		
A7	Trapped In BD RMZ 3	1,600		
A8	Trapped In BD U-4	2,100		
A9	Falls Forks U-1	19,000		
A10	Falls Forks U-3	12,600		
A11	Falls Forks BD U-5	1,750		
A12	Falls Forks BD U-5A	1,050		
A13	Falls Forks BD RMZ 5	1,200		
A14	Falls Forks BD U-6	1,750		
A15	Falls Forks BD RMZ 7	500		
A16	Falls Forks BD U-8	6,650		
A17	Jammer U-1	36,540		
A18	Jammer U-2	29,145		
A19	Jammer BD U-10	3,600		
A20	Jammer BD U-10A	300		
A21	Jammer BD RMZ 10A	200		
A22	Jammer BD RMZ 10B	200		
A23	Jammer BD U-12	5,950		
A24	Jammer BD U-13	3,850		
A25	Jammer BD U-14	3,850		
A26	Rue-End Slvg U3-A	20,100		
A27	Rue-End Slvg U3-B	7,200		
A28	Rue-End Slvg U3-RMZ1	3,900		

Item A	Item Name	Column A Estimated # of Trees	Column B Unit Bid Price Per Thousand Trees	(A * B)/1000 Total Unit Bid Price
A29	Rue-End Slvg U3-RMZ2	8,100		
A30	Rue-End Slvg U4	1,305		
A31	Rue-End Slvg U5	5,655		
A32	Rue-End Slvg U6	4,350		
A33	Rue-End Slvg U-7A	8,400		
A34	Rue-End Slvg U-7B	3,000		
A35	Rue-End Slvg U-7C	3,915		
A36	Rue-End Slvg U-7D	1,305		
A37	Rue-End Slvg U-7E	15,300		
A38	Rue-End Slvg U-7F	14,400		
A39	Rue-End Slvg U7-RMZ	15,000		
A40	Rue-End Slvg U8	9,000		
A41	Rue-End Slvg U9	900		
A42	Rue-End Slvg U10	2,100		
A43	Rue-End Slvg U11-A	6,400		
A44	Rue-End Slvg U11-B	6,200		
A45	Rue-End Slvg U11-C	3,400		
A46	Rue-End Slvg U11RMZ1	3,300		
A47	Rue-End Slvg U11RMZ2	1,800		
A48	Generous BD U-1	3,000		
A49	Generous BD RMZ 1	1,625		
A50	Generous BD U-3	3,600		
A51	Typo U-1	31,500		
A52	Typo BD U-2	11,900		
A53	Typo BD U-2 RMZ	3,500		
A54	Typo BD U-3	11,200		
A55	Fallen Elk BD U-1	10,800		
A56	Fallen Elk BD U-2	12,300		
A57	GPR Middle Fork Rue	6,000		
ITEM A	TOTAL TREES	399,640		\$ TOTAL BID

SECTION IV ITEM A CONTINUED ON NEXT PAGE

SECTION IV – ITEM A
BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER 1224

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 Clause 1-22.

¹An approximate number.

²Exclusive of Washington State Sales Tax.

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SECTION IV
BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER 1224

Award of contract shall be on an Item basis as per Clause 1-42.

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 1224. **Note: Item A 57 Units A1 – A57**

Payment will be determined based on the actual number of trees planted per unit minus any deductions for planting quality <92% or >105%

Item A	Item Name	Column A Estimated # of Trees to Plant	Column B Unit Bid Price Per Thousand Trees	Column C = (A * B)/1000 Total Unit Bid Price
A1	Trapped In BD U-1	1,750		
A2	Trapped In BD RMZ 1	600		
A3	Trapped In BD U-2	7,350		
A4	Trapped In BD U-2A	2,800		
A5	Trapped In BD RMZ 2	1,250		
A6	Trapped In BD U-3	13,600		
A7	Trapped In BD RMZ 3	1,600		
A8	Trapped In BD U-4	2,100		
A9	Falls Forks U-1	19,000		
A10	Falls Forks U-3	12,600		
A11	Falls Forks BD U-5	1,750		
A12	Falls Forks BD U-5A	1,050		
A13	Falls Forks BD RMZ 5	1,200		
A14	Falls Forks BD U-6	1,750		
A15	Falls Forks BD RMZ 7	500		
A16	Falls Forks BD U-8	6,650		
A17	Jammer U-1	36,540		
A18	Jammer U-2	29,145		
A19	Jammer BD U-10	3,600		
A20	Jammer BD U-10A	300		
A21	Jammer BD RMZ 10A	200		
A22	Jammer BD RMZ 10B	200		
A23	Jammer BD U-12	5,950		
A24	Jammer BD U-13	3,850		
A25	Jammer BD U-14	3,850		
A26	Rue-End Slvg U3-A	20,100		
A27	Rue-End Slvg U3-B	7,200		
A28	Rue-End Slvg U3-RMZ1	3,900		

Item A	Item Name	Column A Estimated # of Trees	Column B Unit Bid Price Per Thousand Trees	(A * B)/1000 Total Unit Bid Price
A29	Rue-End Slvg U3-RMZ2	8,100		
A30	Rue-End Slvg U4	1,305		
A31	Rue-End Slvg U5	5,655		
A32	Rue-End Slvg U6	4,350		
A33	Rue-End Slvg U-7A	8,400		
A34	Rue-End Slvg U-7B	3,000		
A35	Rue-End Slvg U-7C	3,915		
A36	Rue-End Slvg U-7D	1,305		
A37	Rue-End Slvg U-7E	15,300		
A38	Rue-End Slvg U-7F	14,400		
A39	Rue-End Slvg U7-RMZ	15,000		
A40	Rue-End Slvg U8	9,000		
A41	Rue-End Slvg U9	900		
A42	Rue-End Slvg U10	2,100		
A43	Rue-End Slvg U11-A	6,400		
A44	Rue-End Slvg U11-B	6,200		
A45	Rue-End Slvg U11-C	3,400		
A46	Rue-End Slvg U11RMZ1	3,300		
A47	Rue-End Slvg U11RMZ2	1,800		
A48	Generous BD U-1	3,000		
A49	Generous BD RMZ 1	1,625		
A50	Generous BD U-3	3,600		
A51	Typo U-1	31,500		
A52	Typo BD U-2	11,900		
A53	Typo BD U-2 RMZ	3,500		
A54	Typo BD U-3	11,200		
A55	Fallen Elk BD U-1	10,800		
A56	Fallen Elk BD U-2	12,300		
A57	GPR Middle Fork Rue	6,000		
ITEM A	TOTAL TREES	399,640		\$ TOTAL BID

SECTION IV ITEM A CONTINUED ON NEXT PAGE

SECTION IV – ITEM A
BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER 1224

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 Clause 1-22.

¹An approximate number.

²Exclusive of Washington State Sales Tax.

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SECTION IV
BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER 1224

Award of contract shall be on an Item basis as per Clause 1-42.

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 1224. **Note: Item B 45 Units B1 – B45**

Item B	Item Name	Acres	Unit Bid Price per acre	Unit Total
B1	Showtime U2	94		
B2	American Idol U1	20		
B3	American Idol U2	53		
B4	Barbaro BD U1	28		
B5	Rem U1	76		
B6	Rem U2	97		
B7	Bob's Big Boy U1	27		
B8	Bob's Big Boy U2	47		
B9	Instant Karma BD U1	27		
B10	Final Casey U1	37		
B11	Final Casey U2	31		
B12	Final Casey U3	16		
B13	Center Drive U1	64		
B14	Center Drive U2	5		
B15	Center Drive U3	11		
B16	Center Drive U4	33		
B17	Center Drive U5	41		
B18	Between Cougar R U1	66		
B19	Between Cougar R U2	41		
B20	Between Cougar R U3	6		
B21	Hanging Chad U1A,U1B,U1C	42		
B22	Hanging Chad U5	3		
B23	Hanging Chad U6	5		
B24	Hanging Chad U7	5		
B25	Western Front BD	3		

Item B	Item Name	Acres	Unit Bid Price per acre	Unit Total
B26	French Toast BD	14		
B27	Slide Creek Salvage	14		
B28	Desire Alder U1 DROPPED	7		
B29	MV1000BLOWDOWN	4		
B30	Green & Gold U3	81		
B31	Green & Gold U4	22		
B32	Clutch	28		
B33	Clutch Blowdown U2	11		
B34	Clutch Blowdown U3	27		
B35	Boomer U1	75		
B36	Boomer U2	34		
B37	Boomer U3	6		
B38	Boomer U4	8		
B39	Boomer U5	3		
B40	Boomer U6	4		
B41	Boomer U7	2		
B42	Steed	95		
B43	East 14 CC	95		
B44	Descent U1	90		
B45	Descent U2	6		
ITEM B	TOTAL ACRES	1,504 1497		\$ 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 _____

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SECTION IV
BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER 1224

Award of contract shall be on an Item basis as per Clause 1-42.

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B7	Bob's Big Boy U1	27		
B8	Bob's Big Boy U2	47		
B9	Instant Karma BD U1	27		
B10	Final Casey U1	37		
B11	Final Casey U2	31		
B12	Final Casey U3	16		
B13	Center Drive U1	64		
B14	Center Drive U2	5		
B15	Center Drive U3	11		
B16	Center Drive U4	33		
B17	Center Drive U5	41		
B18	Between Cougar R U1	66		
B19	Between Cougar R U2	41		
B20	Between Cougar R U3	6		
B21	Hanging Chad U1A,U1B,U1C	42		
B22	Hanging Chad U5	3		
B23	Hanging Chad U6	5		
B24	Hanging Chad U7	5		
B25	Western Front BD	3		

Item B	Item Name	Acres	Unit Bid Price per acre	Unit Total
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B29	MV1000BLOWDOWN	4		
B30	Green & Gold U3	81		
B31	Green & Gold U4	22		
B32	Clutch	28		
B33	Clutch Blowdown U2	11		
B34	Clutch Blowdown U3	27		
B35	Boomer U1	75		
B36	Boomer U2	34		
B37	Boomer U3	6		
B38	Boomer U4	8		
B39	Boomer U5	3		
B40	Boomer U6	4		
B41	Boomer U7	2		
B42	Steed	95		
B43	East 14 CC	95		
B44	Descent U1	90		
B45	Descent U2	6		
ITEM B	TOTAL ACRES	1,504 1497		\$ 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 Clause 1-22.
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 1224. 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 1224 is hereby awarded and executed between _____ and the State of Washington, Department of Natural Resources, to be effective _____, 20____. This award is for Tree Planting Number(s) _____.

State of Washington,
Department of Natural Resources

By: _____

(Signature) (Date)

ERIC SCHROFF
Pacific Cascade Region Manager

NOTE: Detach and return this form per Clause 1-22.

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CONTRACTOR'S DECLARATION of
INDUSTRIAL INSURANCE STATUS

INVITATION TO BID NUMBER 1224

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:

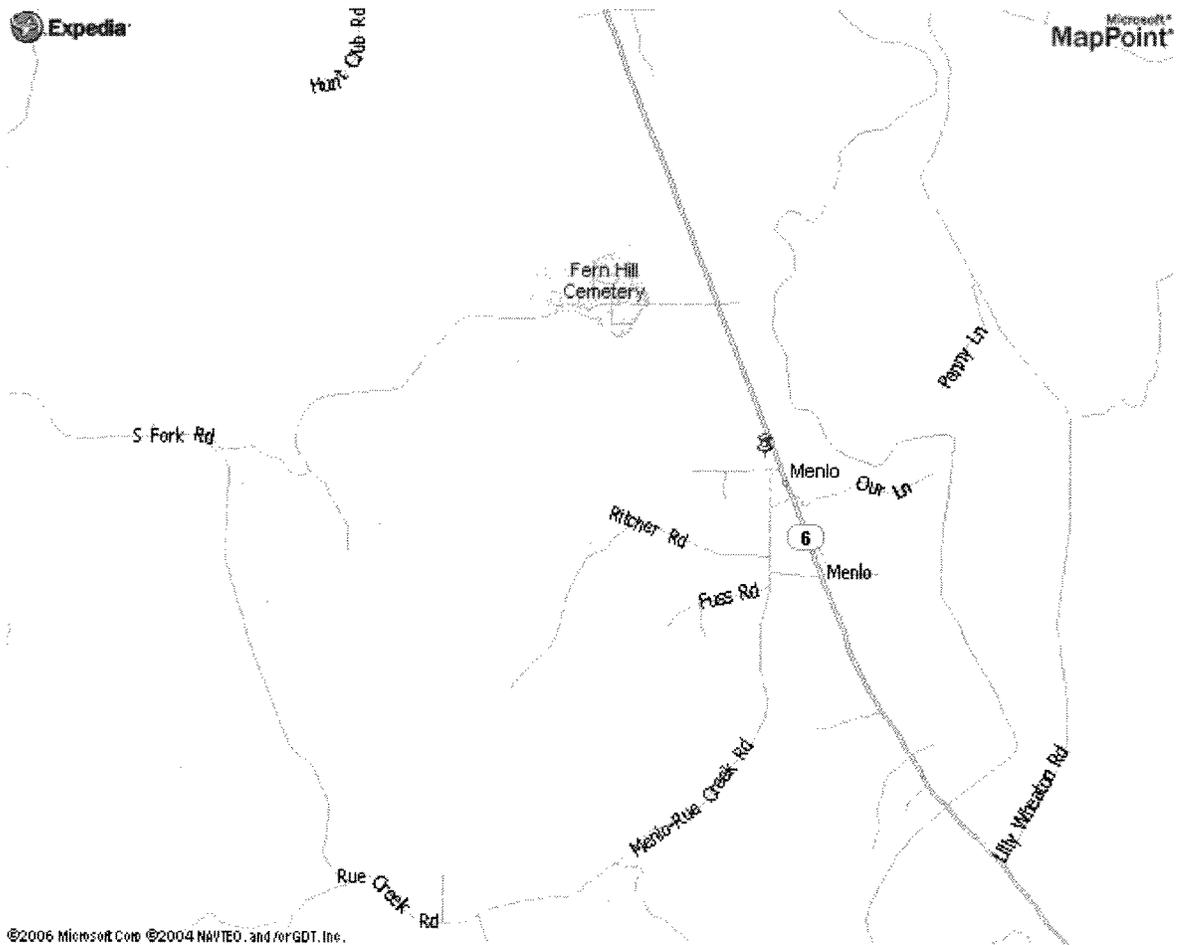
Return one (1) copy of this form as per Clause 1-45.

RES 55-3513 (6/84)

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MENLO WORK CENTER
State Hwy 6 (Mile Post #6) – Menlo
Phone Number: (360) 942-5362
Facility Manager: Dean Adams

- Take Exit 77 WA 6 toward Pe Ell/Raymond 0.3 miles
- Turn left onto Main St W/WA 6. Continue to follow WA 6.23.0 miles
- Turn right onto W 4th Ave/WA 6. Continue to follow WA 6.22.0 miles
- Turn right onto Bullard Ave.0.1 miles
- Stay straight to go to Menlo.0.1 miles



CHEHALIS WORK CENTER

1405 Rush Road – Chehalis

Facility Manager (Main): Scott Robinson (360-767-7005)

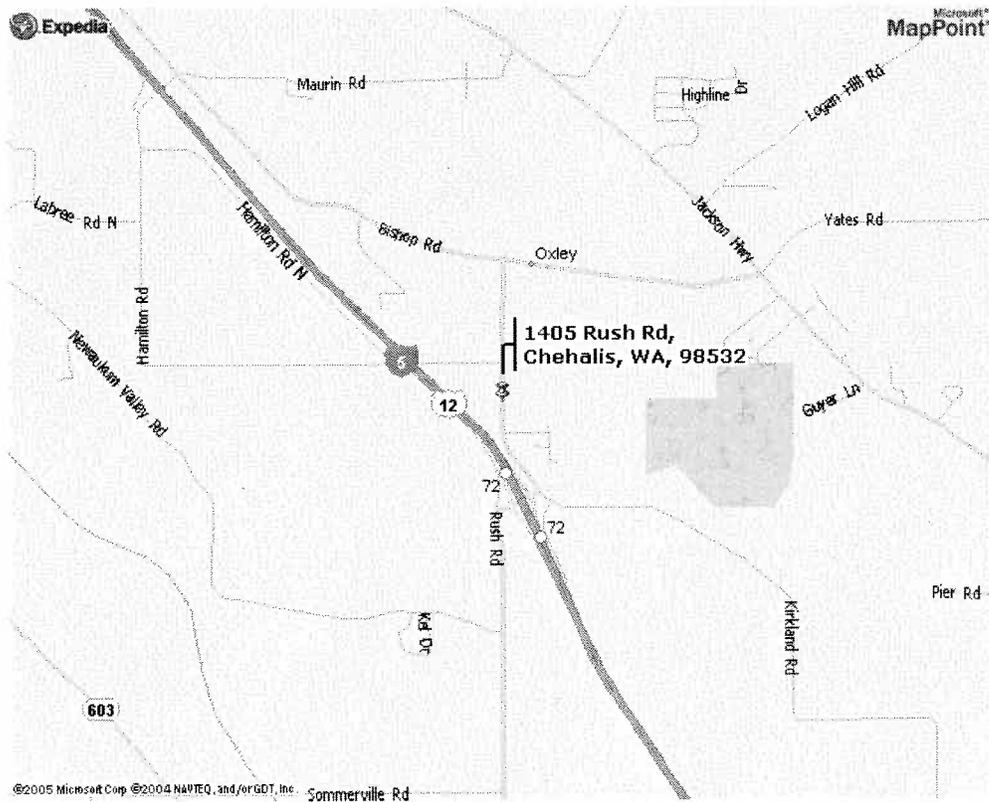
Facility Manager (Crew Qtrs): Steve Riepe (360-740-6810)

Facility Manager (Lewis Trailer): Meg Wallmow (360-740-6850)

Facility Manager (Shop): Tom Herman (360-740-6857)

Coming South on I-5 take exit 72, turn left at stop sign, and go under freeway. The next stop sign you will be facing (Ribeye Restaurant) take another left and go ¼ mile up the road the work center will be on your left.

Coming North on I-5 take exit 72, turn right at stop sign. The next stop sign you will be facing (Ribeye Restaurant) take a left go ¼ mile up the road the work center will be on your left.



CASTLE ROCK HEADQUARTERS & ANNEX

601 Bond Road – Castle Rock

Phone Number: (360) 577-2025

Facility Manager (HQ): Deborah Ross

Facility Manager (Annex): Randy Kirk

FROM THE NORTH: (ON I-5)

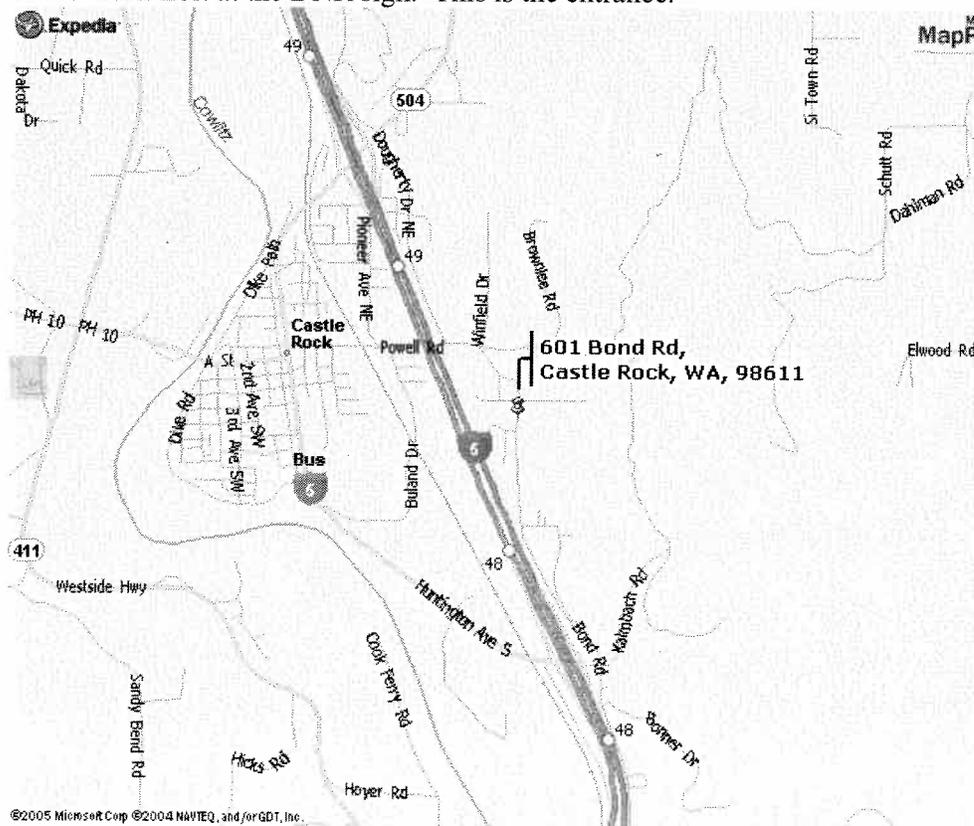
Turn at Exit 49 (Castle Rock) off ramp. Turn left at the stop light. (overpass I-5). Turn right at the 2nd stop light onto Dougherty Road. (*Shell Service Station on the corner*). Proceed until the end of Dougherty Road. Take a left at the stop sign. You will turn on to Powell, go approximately 100 yards and turn right onto Bond Road. Proceed up the hill. Continue around a couple turns. You will see a DNR sign on the right. This is the entrance.

OR

Take Exit 48 – at the end of the off ramp turn left – go under the freeway and turn at the first road to the left onto Bond Road. Follow this road until you come to a DNR sign on your left. Take this entrance.

FROM THE SOUTH:

Turn off at Exit 48 (Castle Rock Business Loop). At the stop sign turn right. Go about 40 yards or so and turn left onto Bond Road. Go up the hill on Bond Road about a mile or so. Turn Left at the DNR sign. This is the entrance.



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

Lewis District

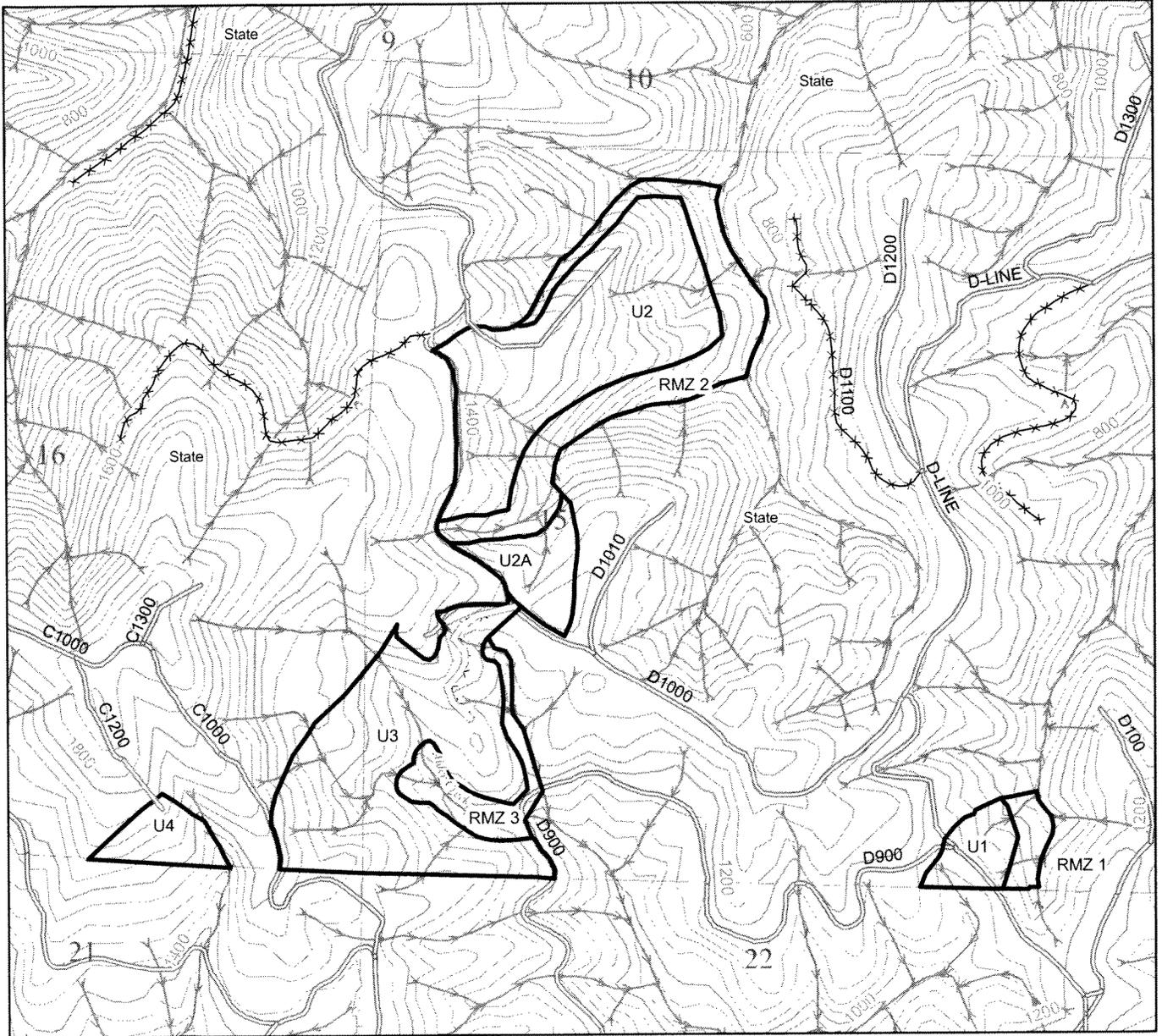
Pacific Unit

Township 12 North, Range 08 West, W.M.

Unit Name: Trapped in BD U1,U2,U2A,U3,U4

Item No. A1,A2,A3,A4,A5,A6,A7,A8

Trapped in BD RMZ 1,2,3



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

Lewis District

Pacific Unit

Township 13 North, Range 08 West, W.M.

Unit Name: Falls Forks U1,U3; Falls Forks BD U5,U5A,U6,U8

Falls Forks BD RMZ 5, RMZ 7

Item No. A9,A10,A11,A12,A13,A14,A15,A16



1:21,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

Lewis District

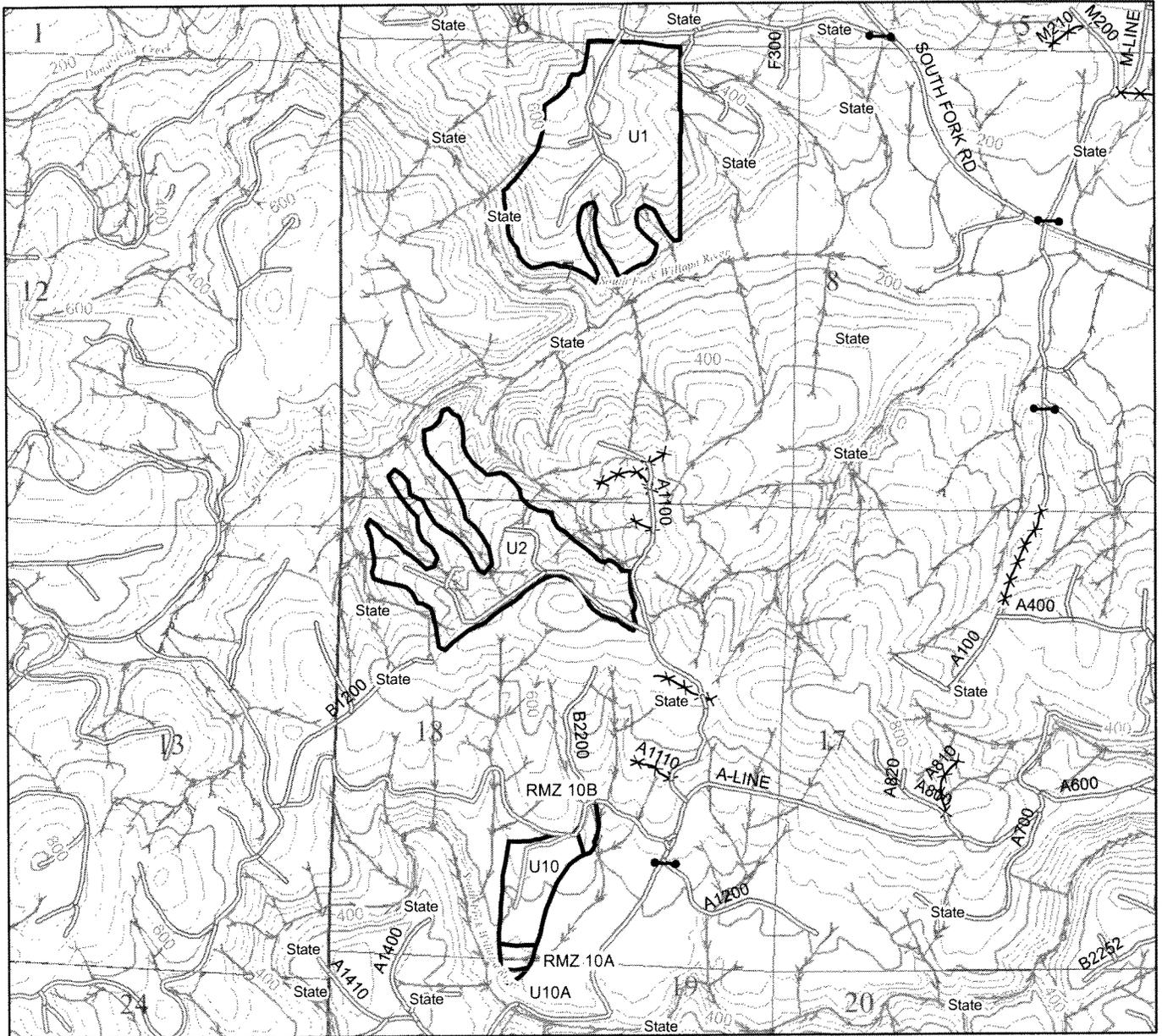
Pacific Unit

Township 13 North, Range 08 West, W.M.

Unit Name: Jammer U1,U2, Jammer BD U10,U10A

Jammer BD RMZ 10A,10B

Item No. A17,A18,A19,A20,A21,A22



1:21,000

Legend

- Treatment Area
- Existing Roads
- Unknown Access
- Trails
- Streams
- Gate
- 40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

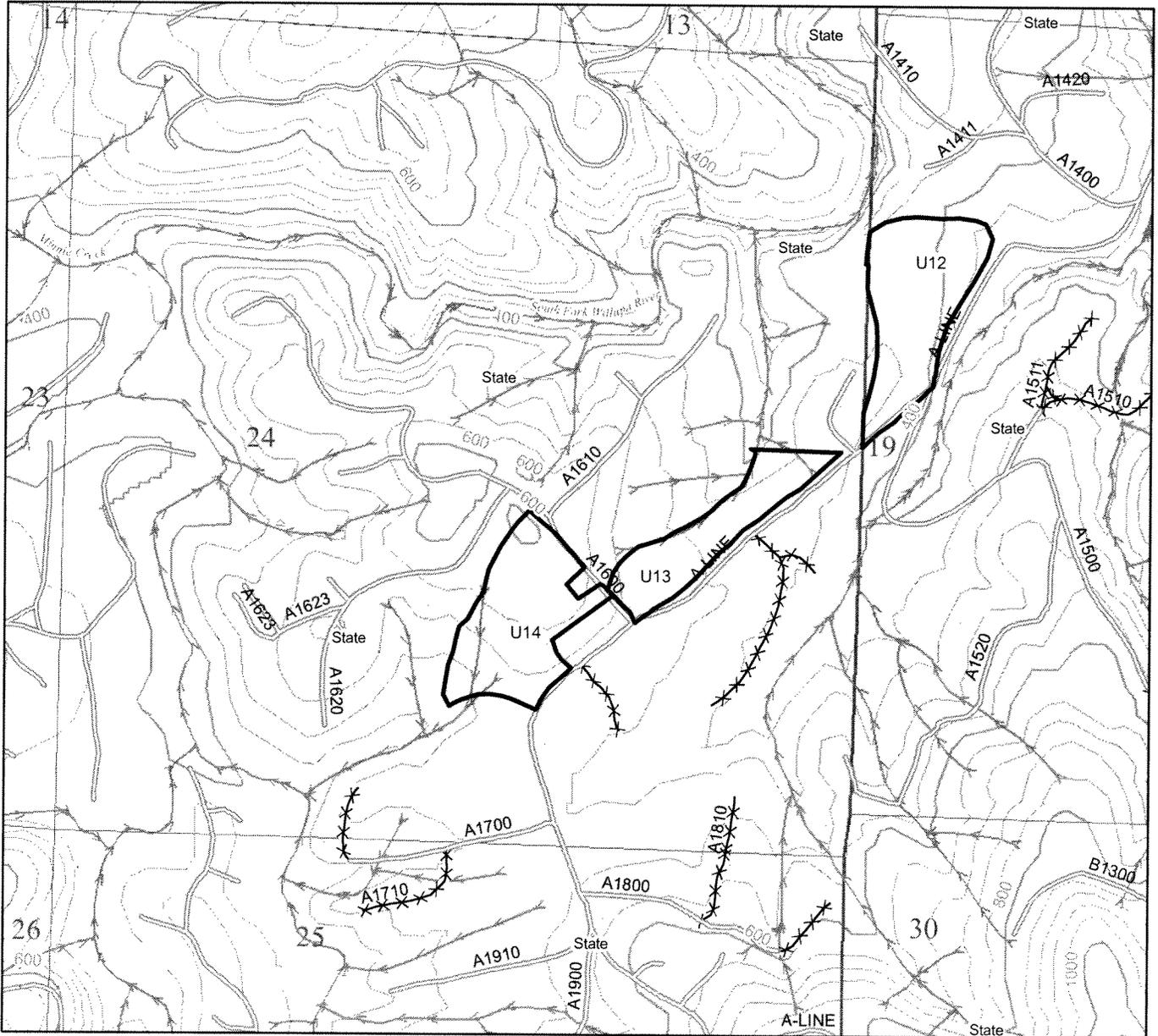
Lewis District

Pacific Unit

Township 13 North, Range 08 & 09 West, W.M.

Unit Name: Jammer BD U12,U13,U14

Item No. A23,A24,A25



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours

UNIT MAP

TREE PLANTING

Pacific Cascade Region

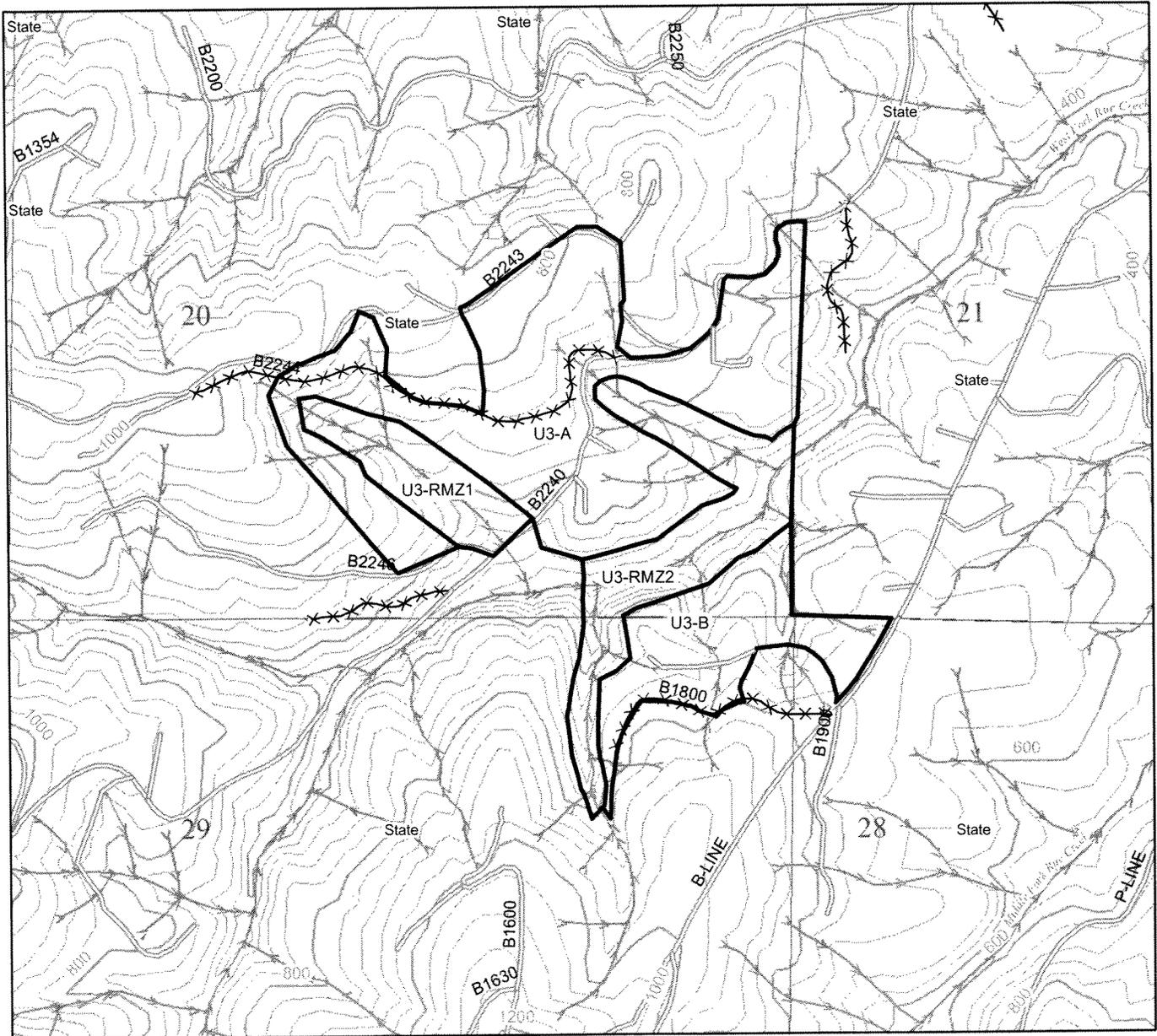
Township 13 North, Range 08 West, W.M.

Unit Name: Rue End Slvg U3A, U3-RMZ1, U3-RMZ2, U3-B

Invitation to Bid No. 1224

Pacific Unit

Item No. A26,A27,A28,A29



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

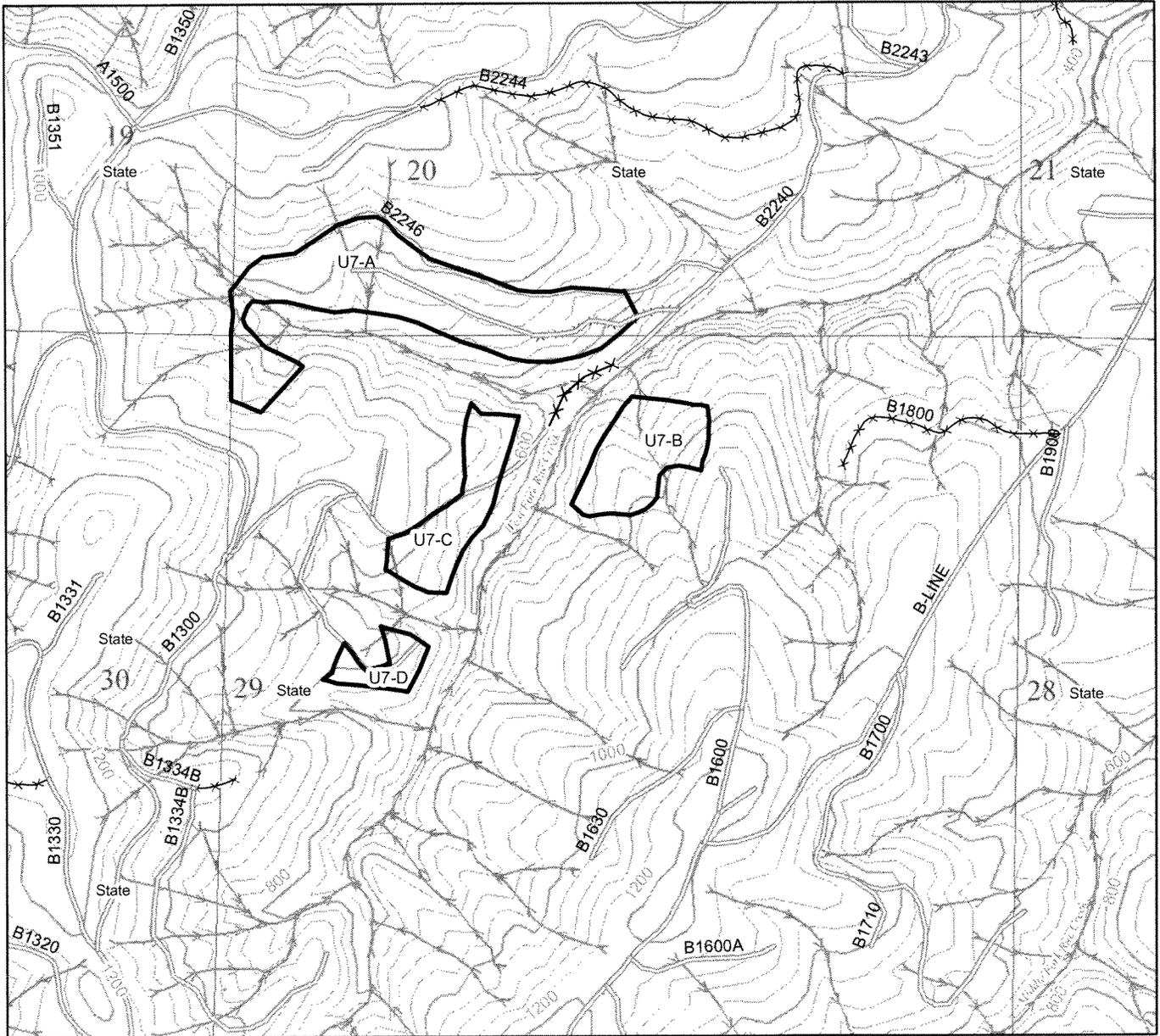
Lewis District

Pacific Unit

Township 13 North, Range 08 West, W.M.

Unit Name: Rue End Slvg U7A, U7B, U7C, U7D

Item No. A33,A34,A35,A36



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

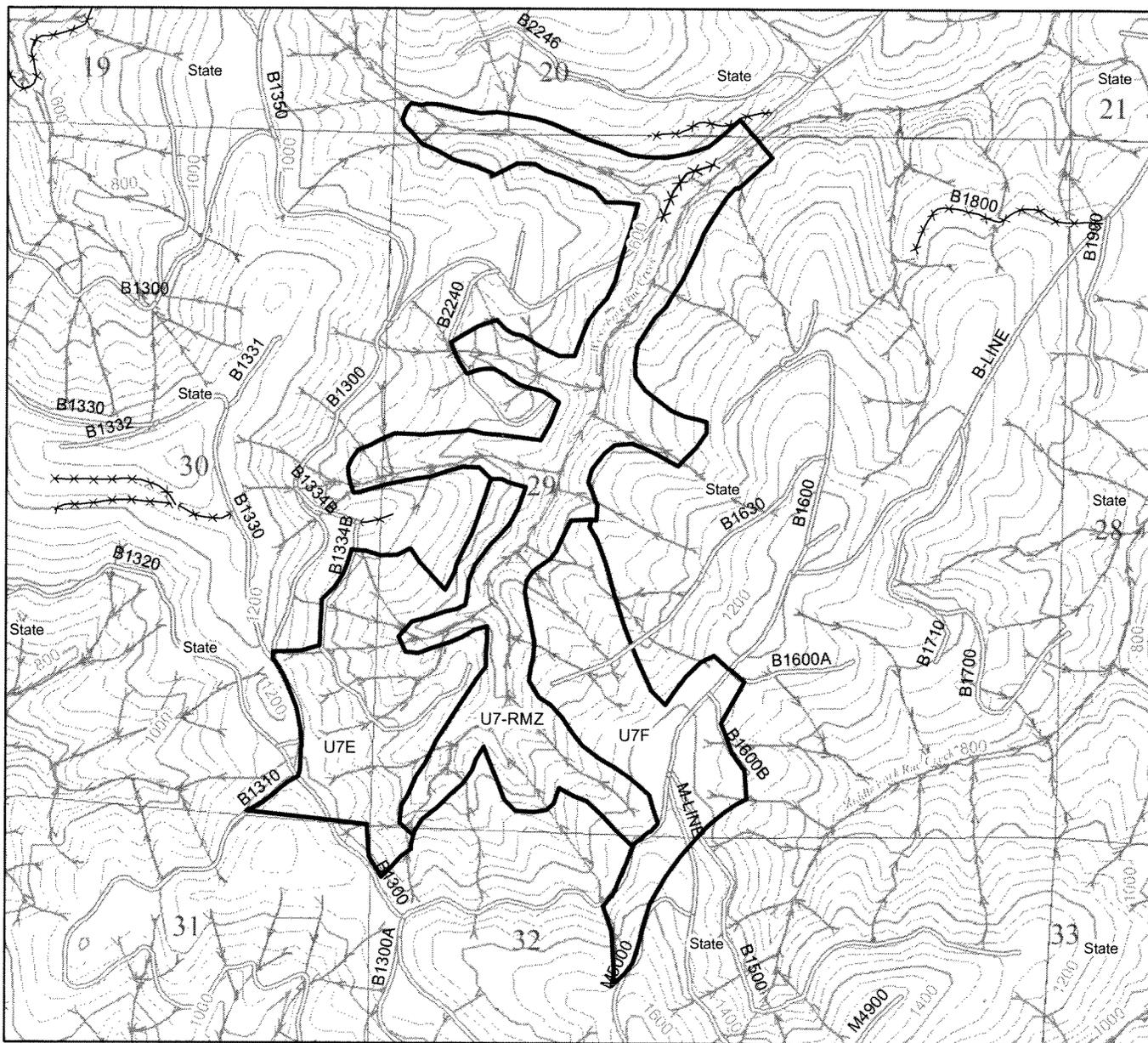
Lewis District

Pacific Unit

Township 13 North, Range 08 West, W.M.

Unit Name: Rue End Slvg U7E, U7F,U7RMZ

Item No. A37, A38, A39



1:14,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

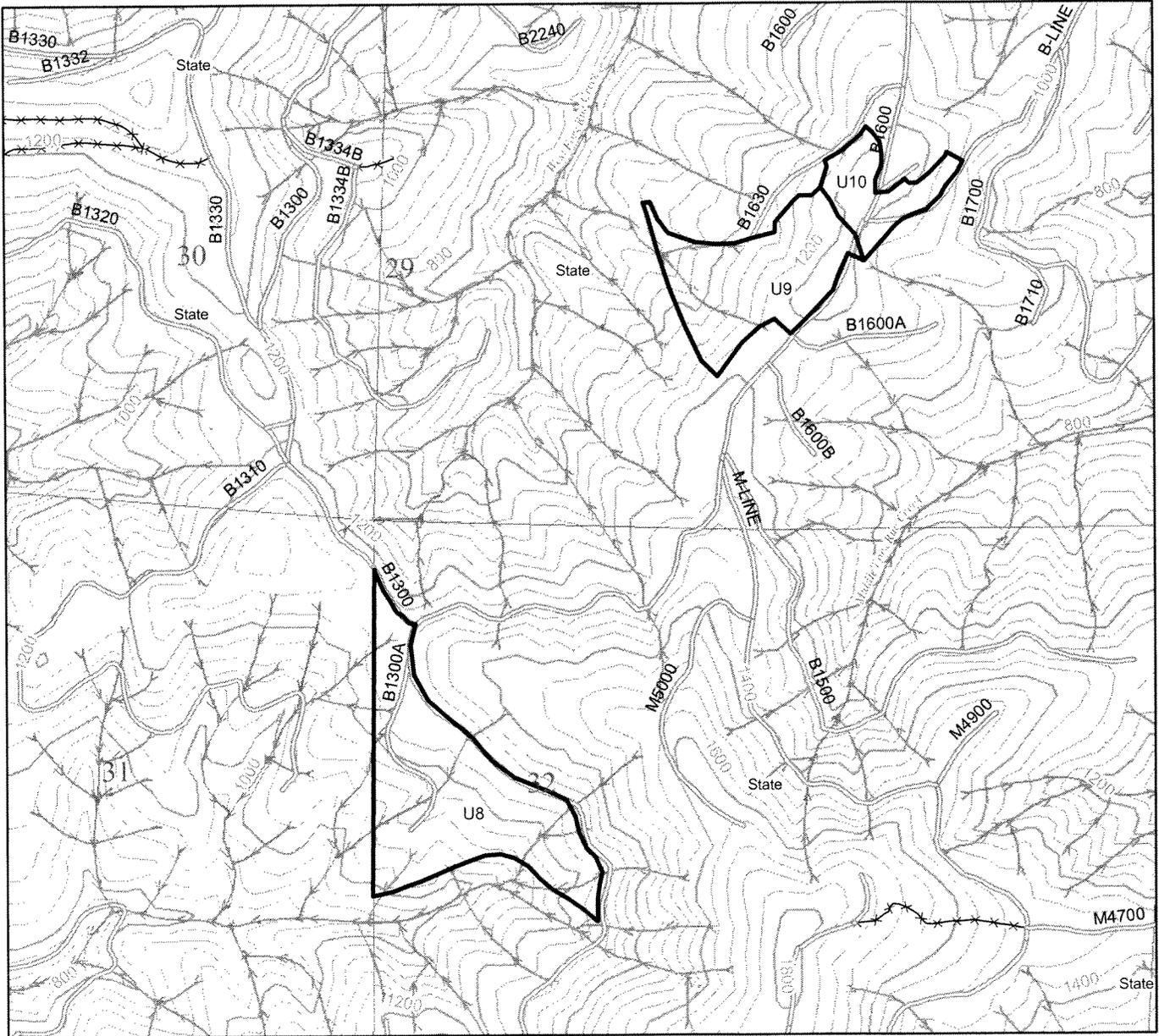
Lewis District

Pacific Unit

Township 13 North, Range 08 West, W.M.

Unit Name: Rue End Slvg U8, U9, U10

Item No. A40, A41, A42



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

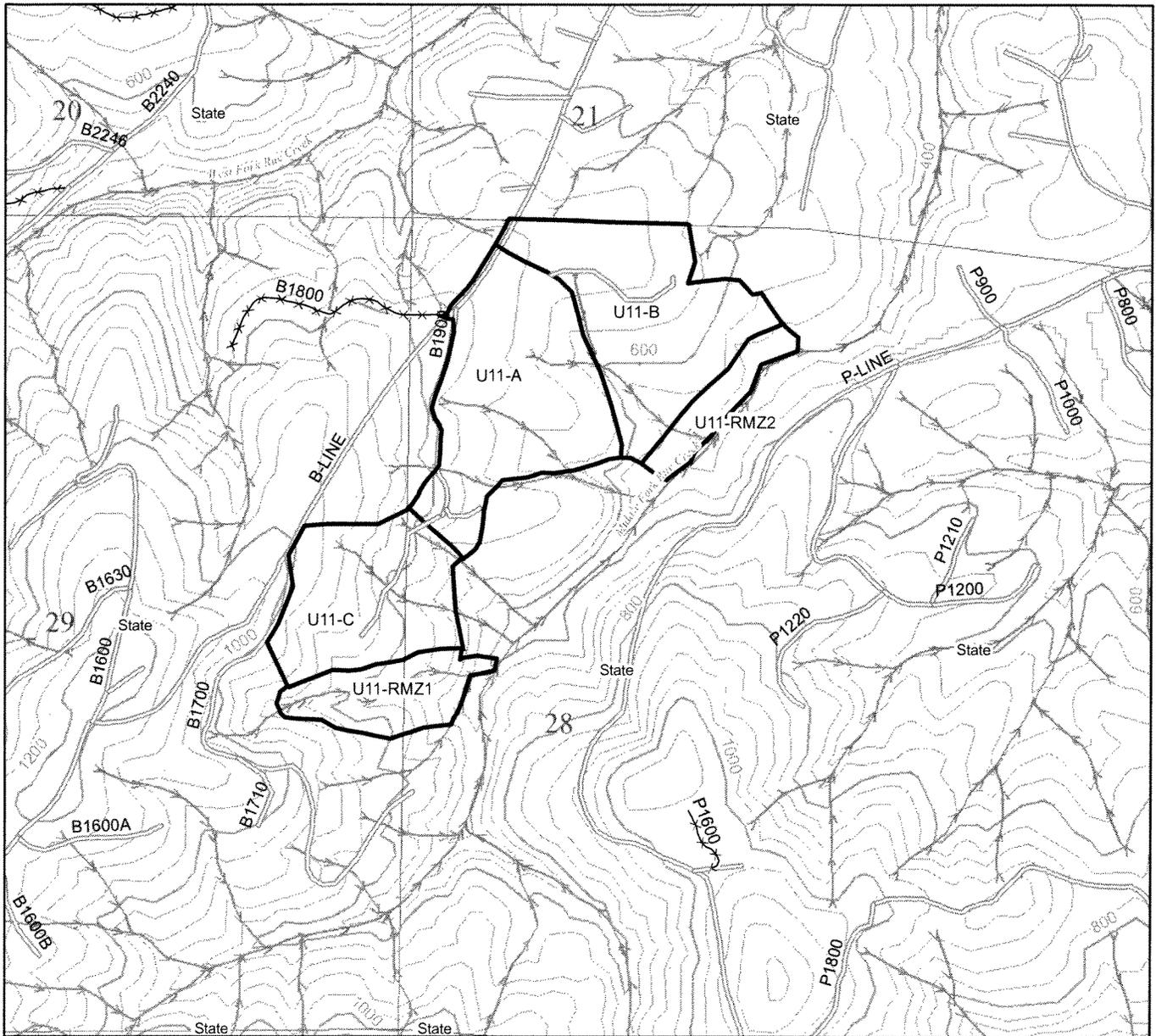
Pacific Cascade Region

Lewis District

Pacific Unit

Township 13 North, Range 08 West, W.M.

Unit Name: Rue End Slvg U11-A, U11-B, U11-C, U11-RMZ1, U11-RMZ2 Item No. A43, A44, A45, A46, A47



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

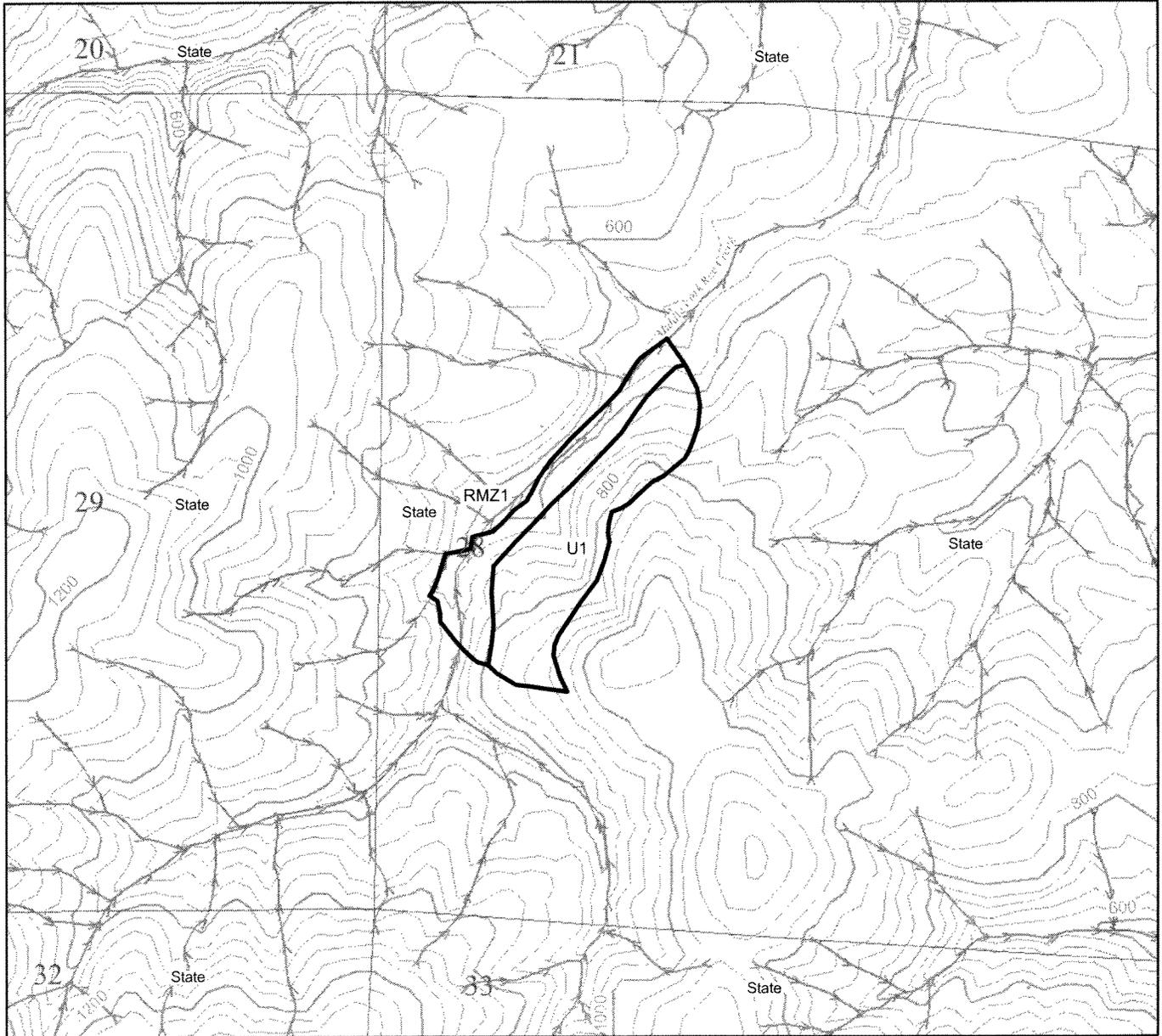
Lewis District

Pacific Unit

Township 13 North, Range 08 West, W.M.

Unit Name: Generous BD U1,RMZ1

Item No. A48, A49



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

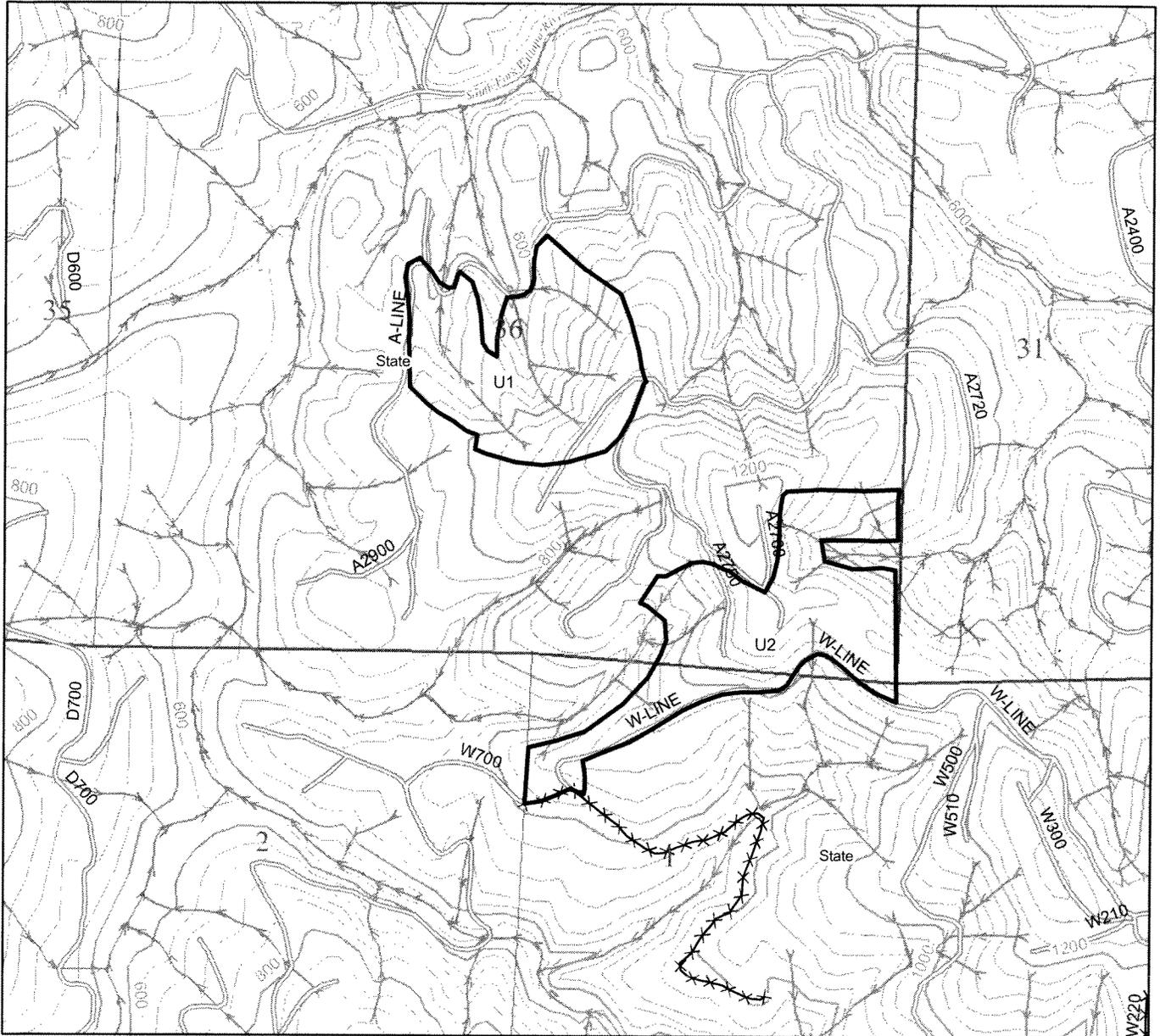
Lewis District

Pacific Unit

Township 12 & 13 North, Range 09 West, W.M.

Unit Name: Fallen Elk BD U1,U2

Item No. A55, A56



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

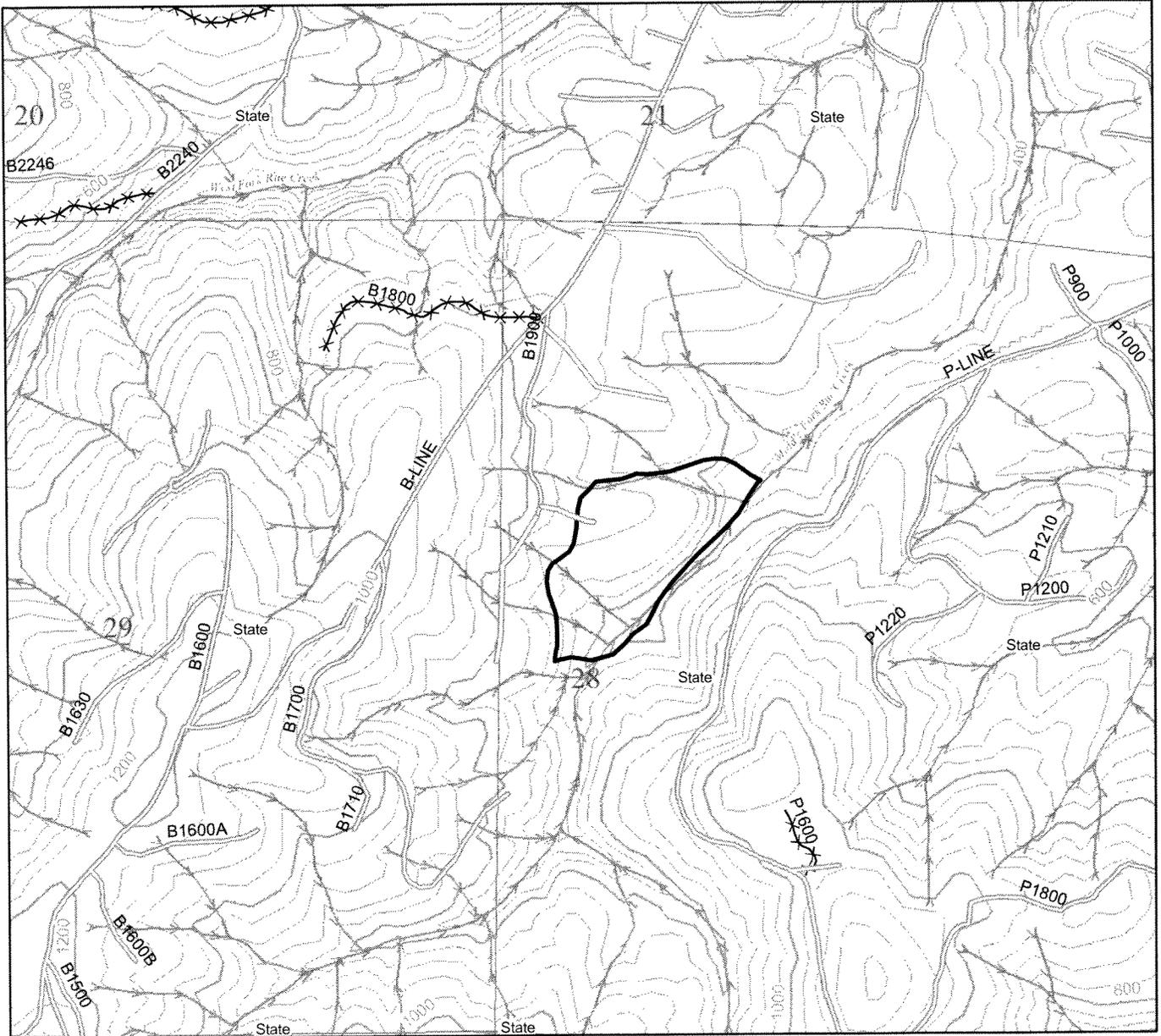
Lewis District

Pacific Unit

Township 13 North, Range 08 West, W.M.

Unit Name: GPR Middle Fork Rue

Item No. A57



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

Lewis District

Salkum Unit

Township 11 North, Range 03 East, W.M.

Unit Name: Showtime U2

Item No. B1



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

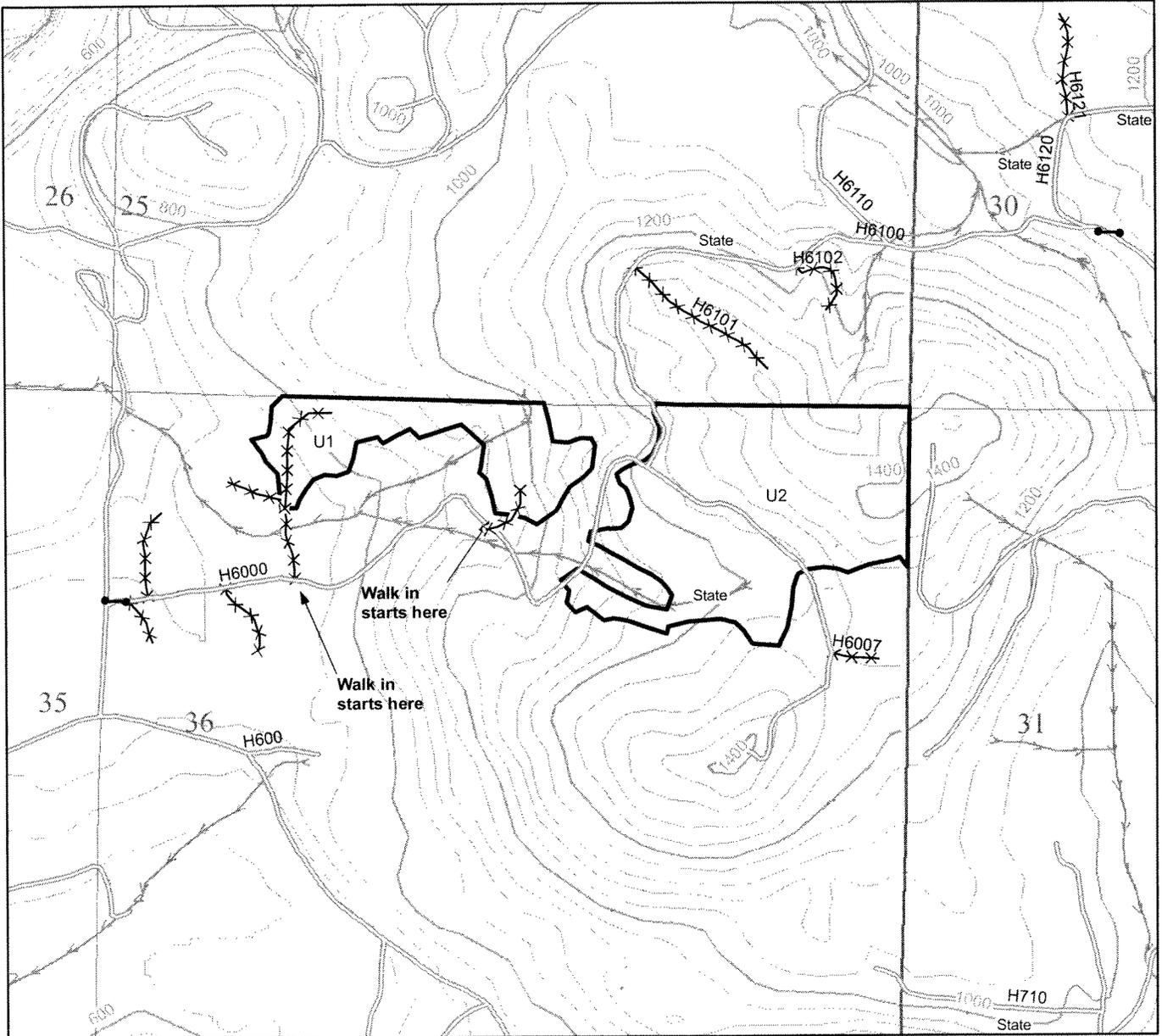
Lewis District

Salkum Unit

Township 13 North, Range 02 East, W.M.

Unit Name: American Idol U1, U2

Item No. B2, B3



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

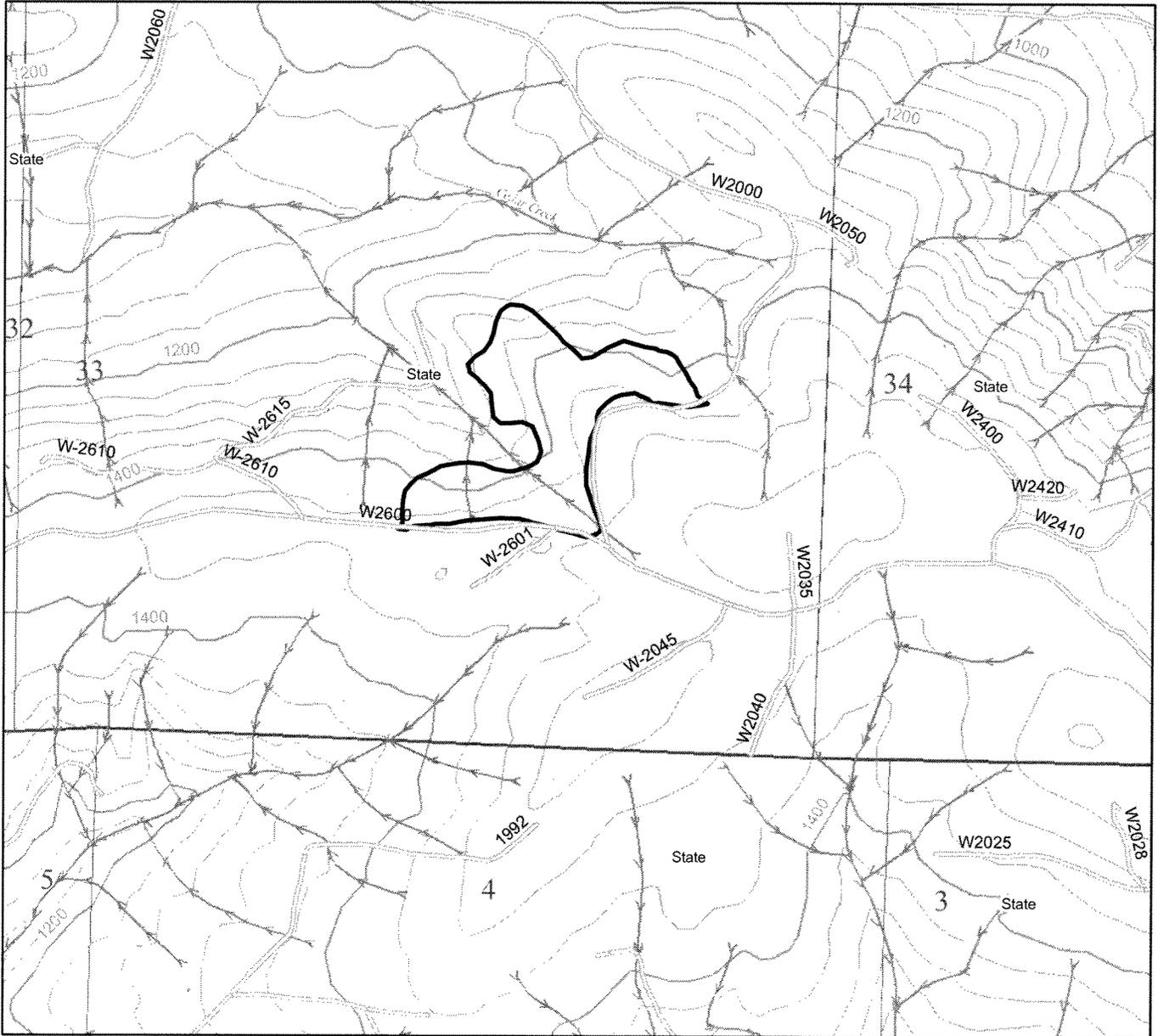
Lewis District

Salkum Unit

Township 12 North, Range 02 East, W.M.

Unit Name: Barbaro BD U1

Item No. B4



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Pacific Cascade Region

Township 11 North, Range 02 East, W.M.

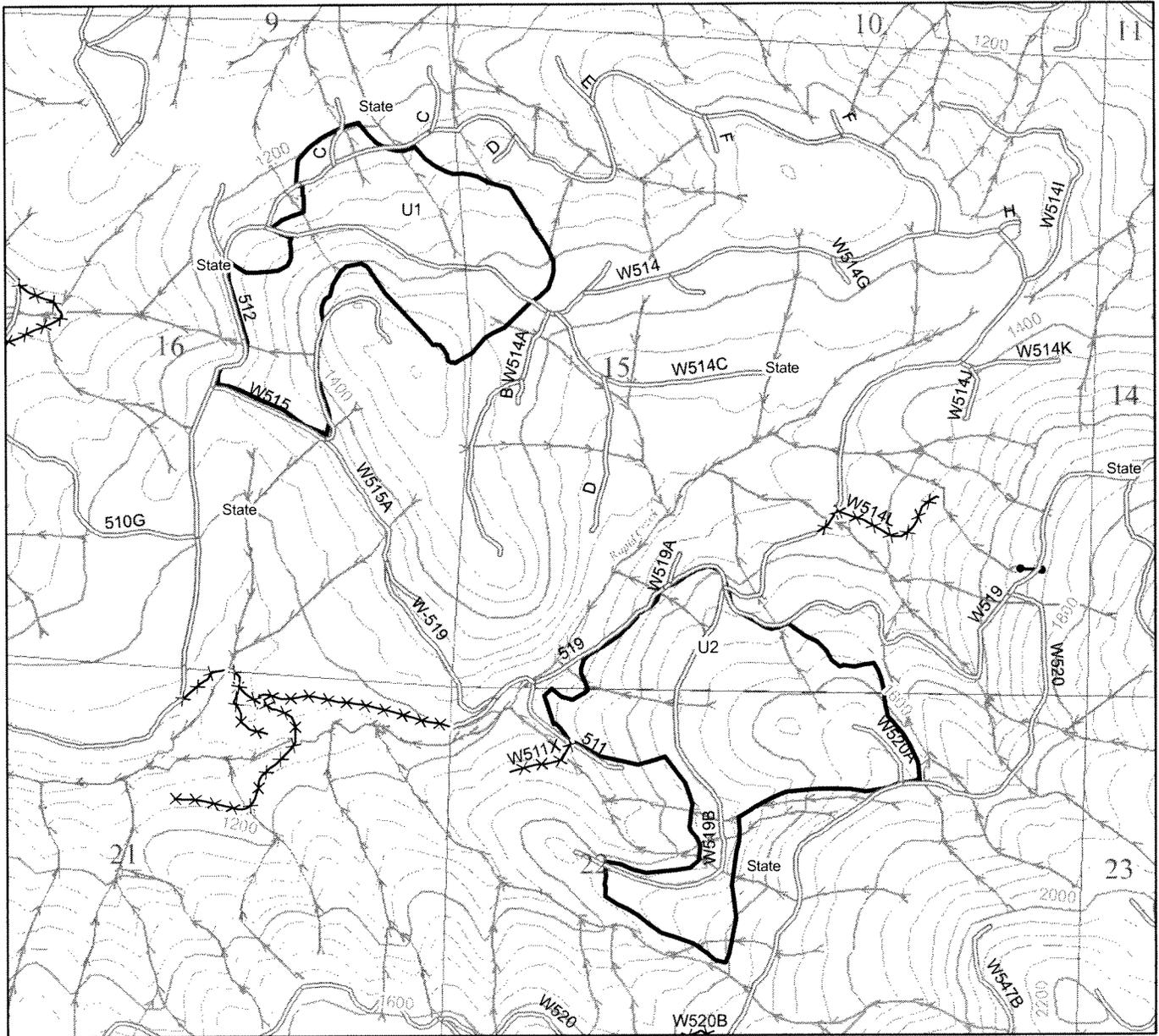
Unit Name: Rem U1,U2

Lewis District

Invitation to Bid No. 1224

Salkum Unit

Item No. B5, B6



1:15,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

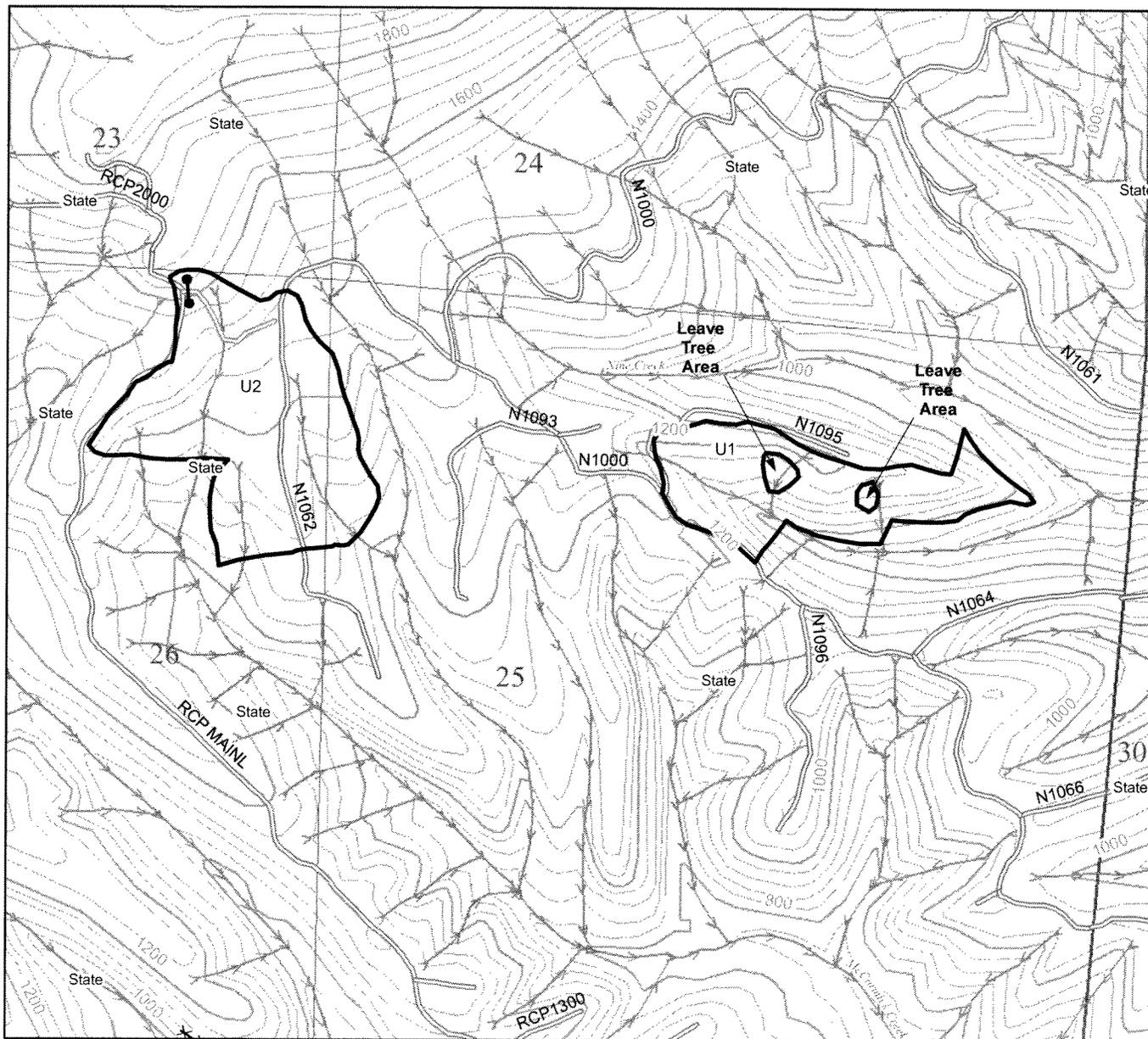
Lewis District

LIncoln Unit

Township 13 North, Range 06 West, W.M.

Unit Name: Bob's Big Boy U1,U2

Item No. B7, B8



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

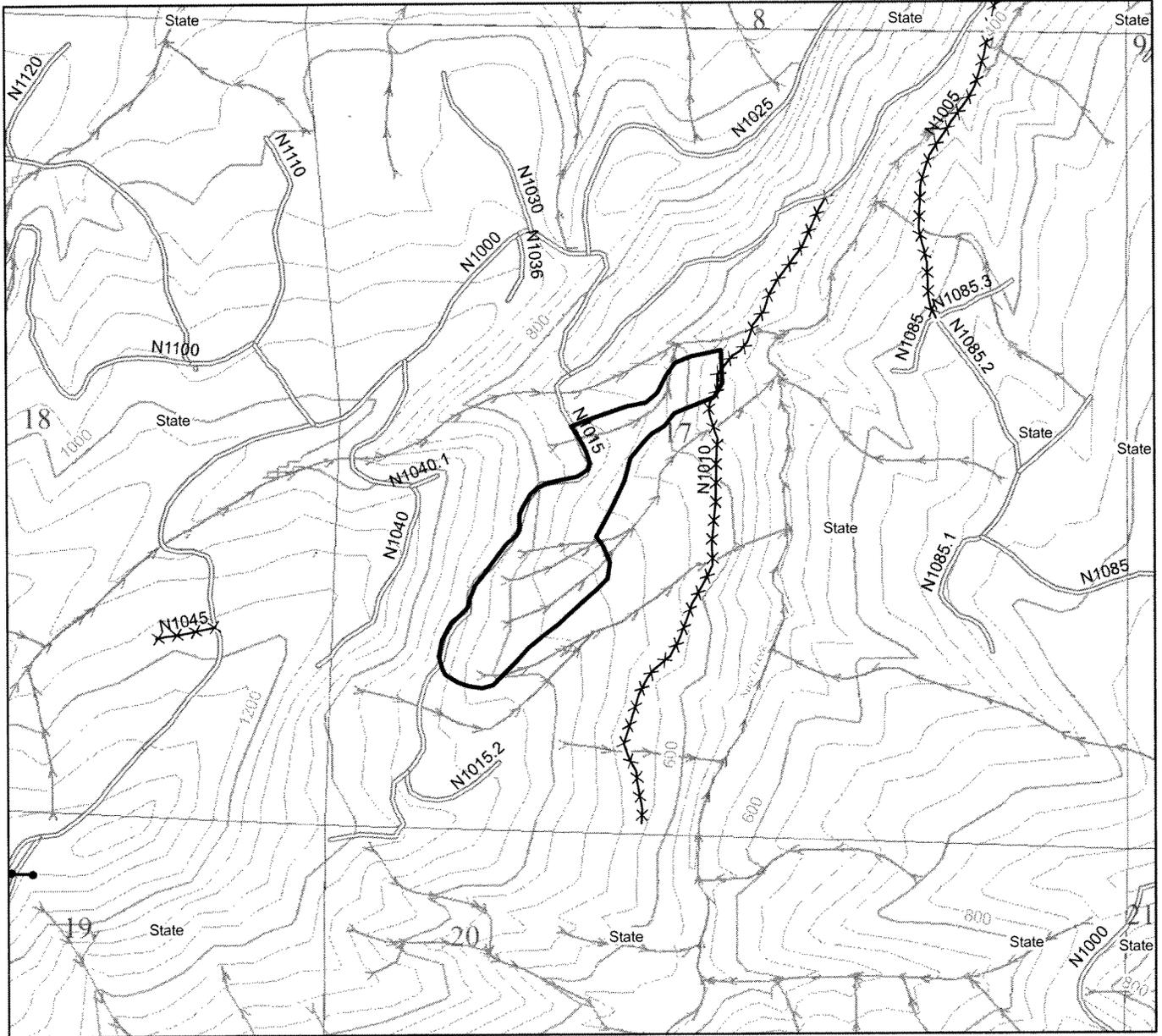
Lewis District

Lincoln Unit

Township 13 North, Range 05 West, W.M.

Unit Name: Instant Karma BD U1

Item No. B9



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING
Pacific Cascade Region

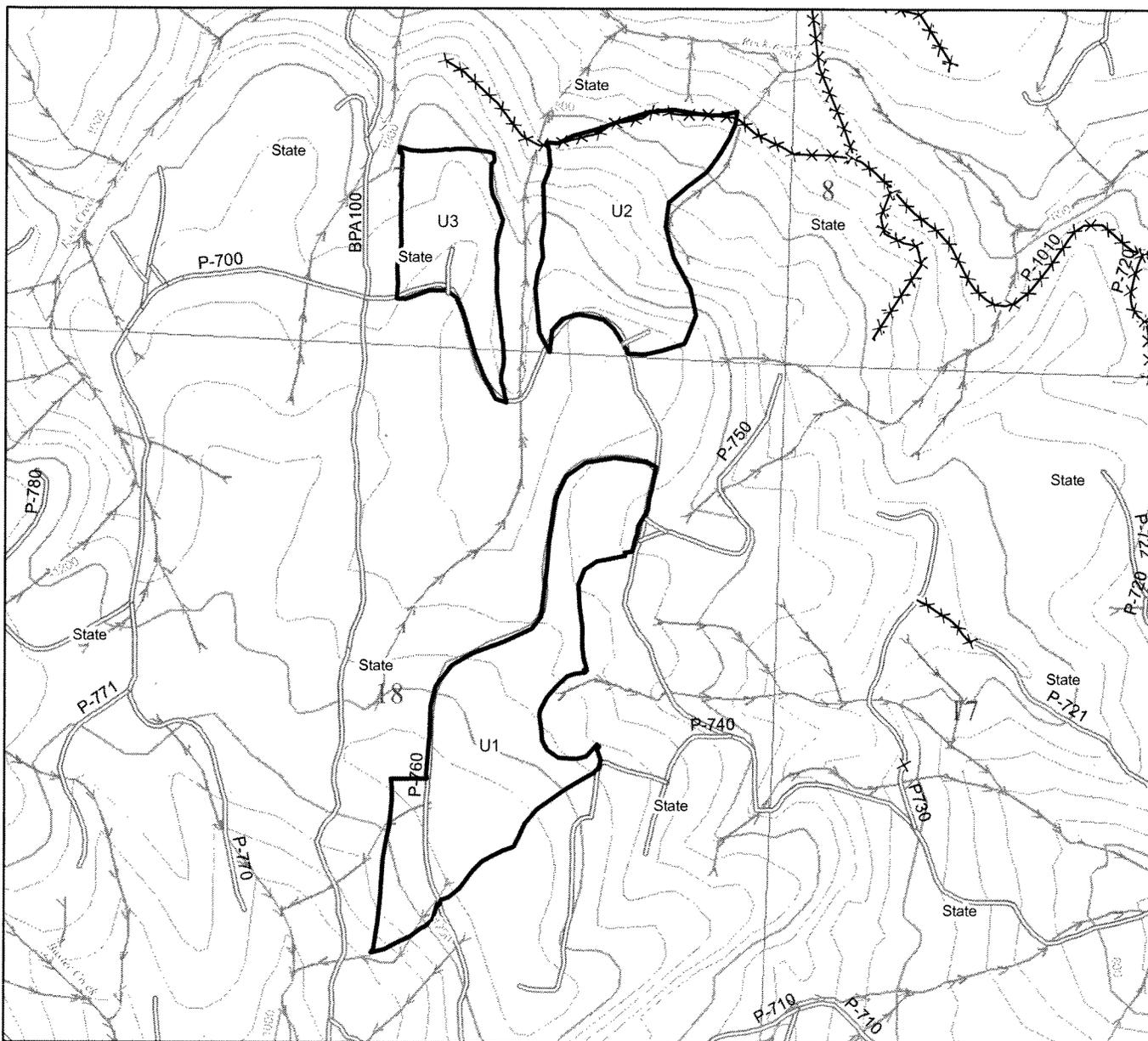
St Helens District

Invitation to Bid No. 1224
Stella Unit

Township 10 North, Range 02 West, W.M.

Unit Name: Final Casey U1, U2, U3,

Item No. B10, B11, B12



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Pacific Cascade Region

Township 10 North, Range 04 West, W.M.

Township 9 North, Range 04 West, W.M.

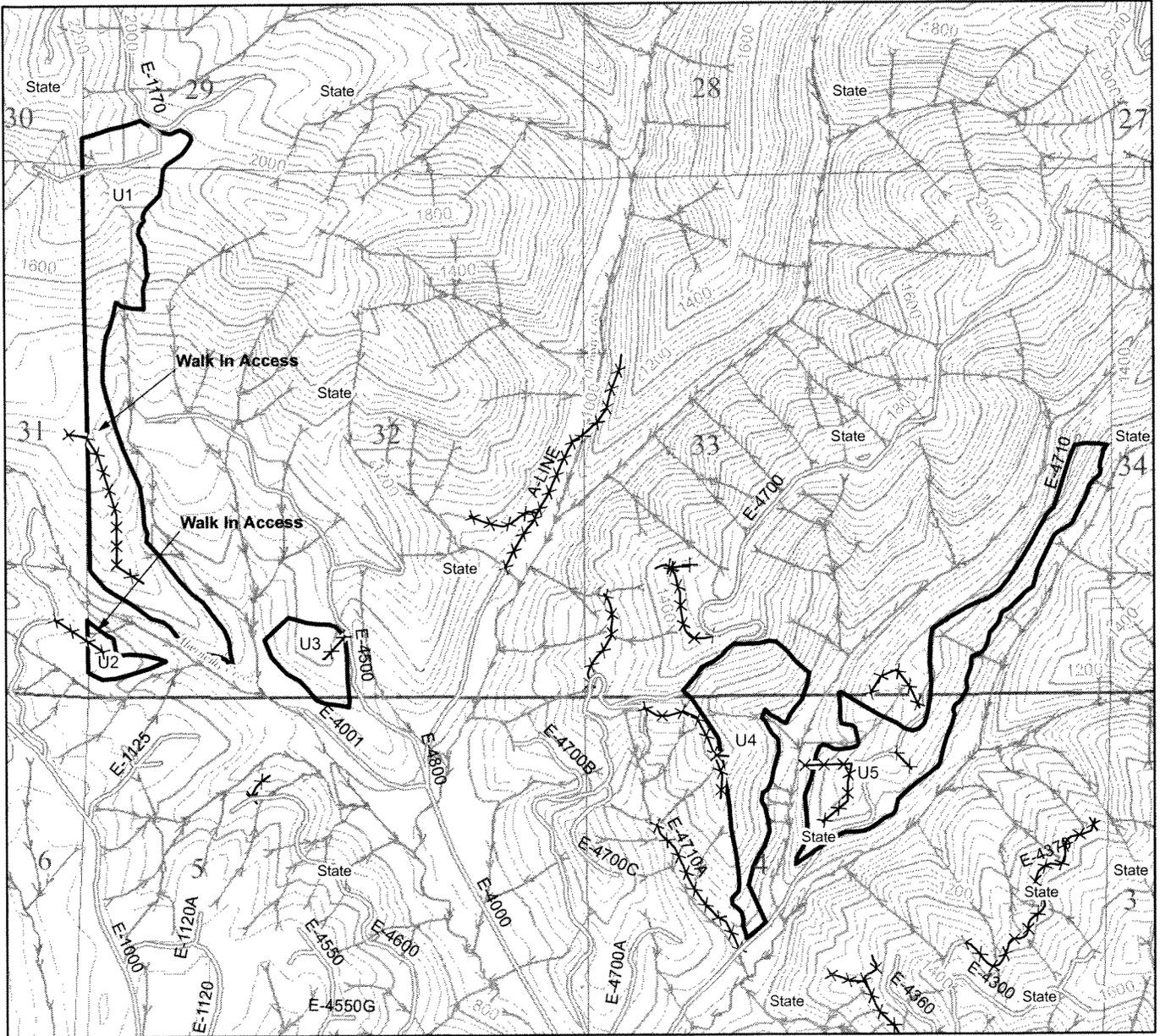
Unit Name: Center Drive U1, U2, U3, U4, U5

St Helens District

Invitation to Bid No. 1224

Stella Unit

Item No. B13, B14, B15, B16, B17



1:18,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Pacific Cascade Region

St Helens District

Invitation to Bid No. 1224

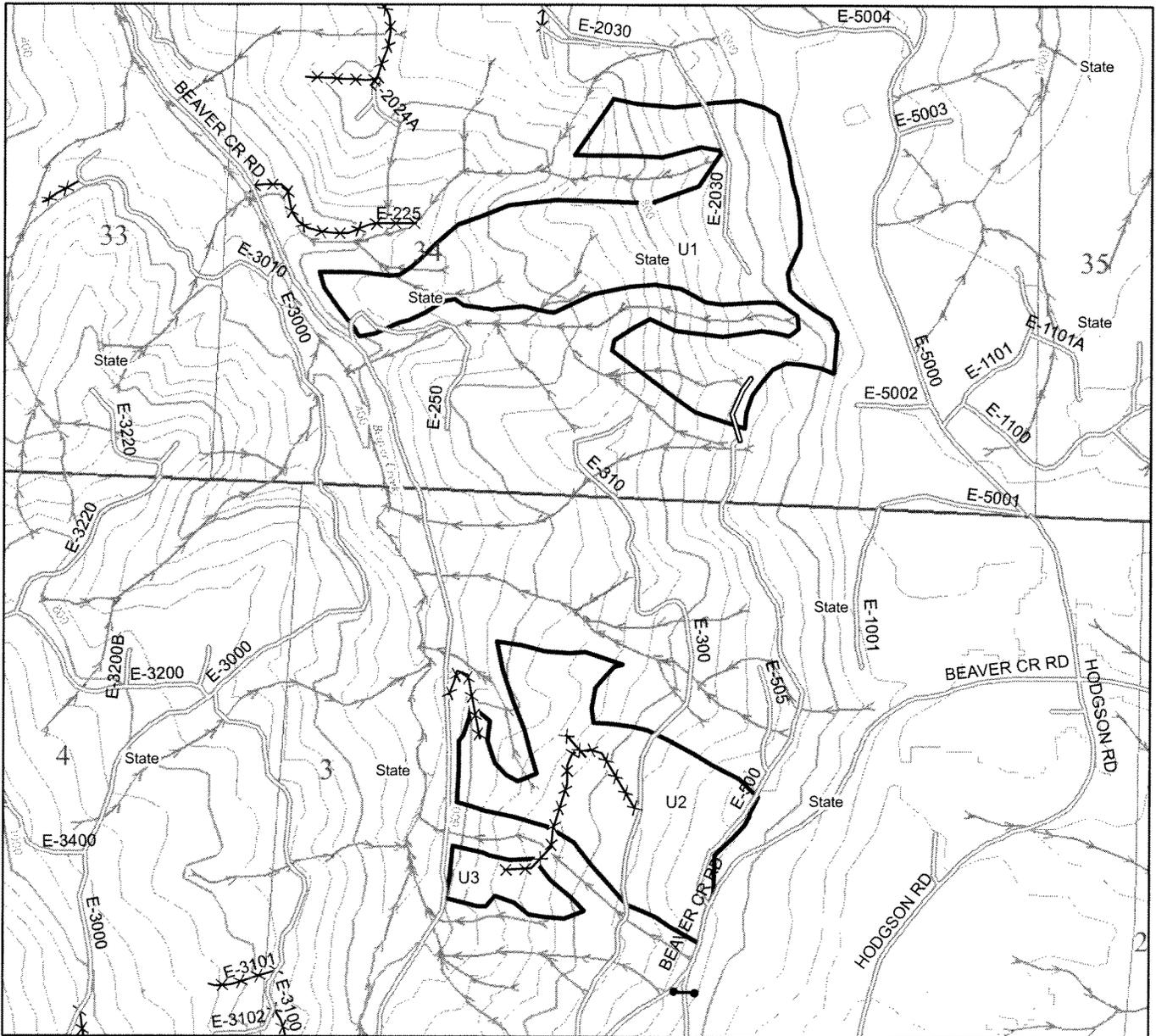
Stella Unit

Township 9 North, Range 05 West, W.M.

Township 8 North, Range 05 West, W.M.

Unit Name: Between Cougar R U1, U2, U3,

Item No. B18,B19, B20



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

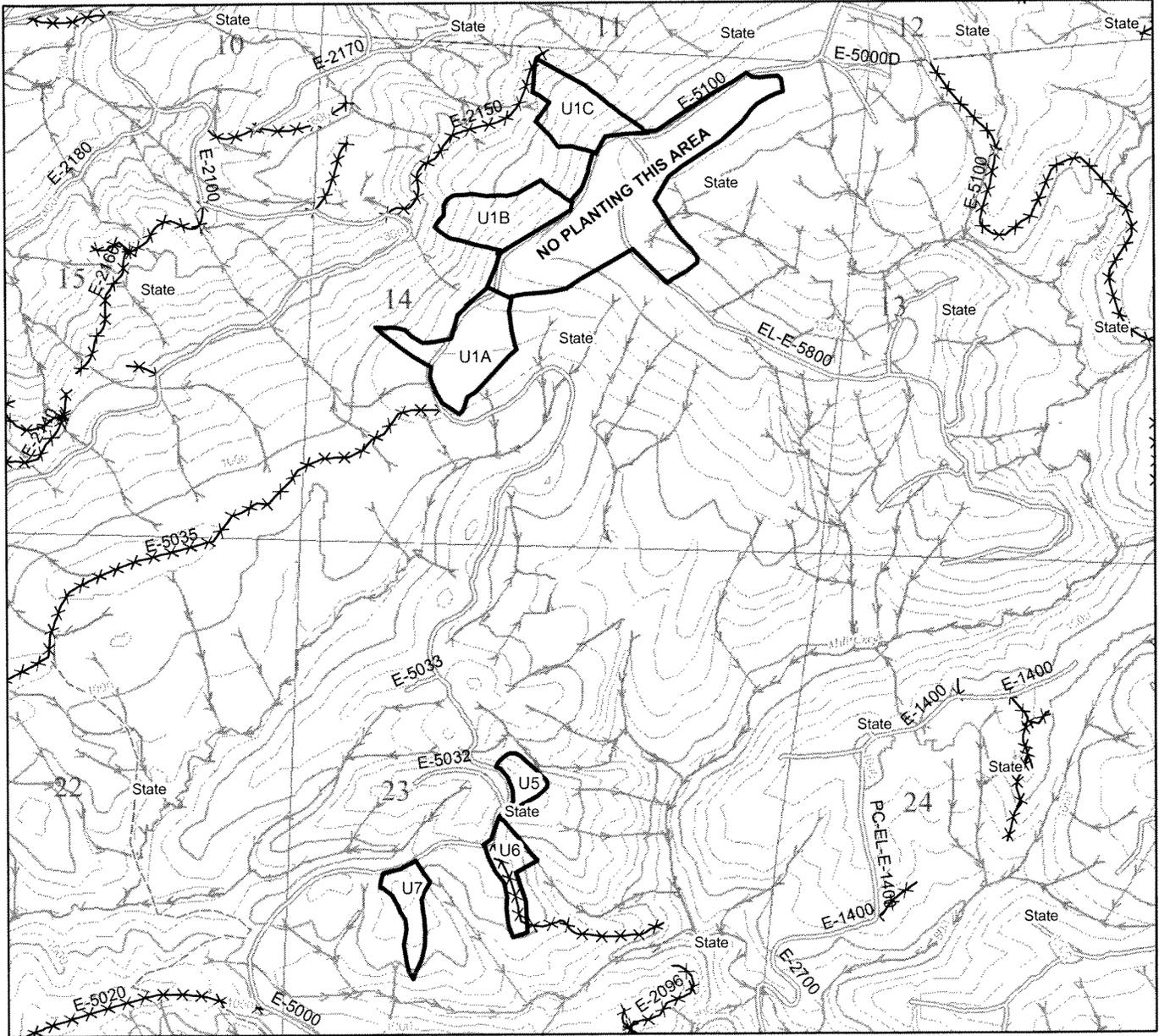
St Helens District

Stella Unit

Township 9 North, Range 05 West, W.M.

Unit Name: Hanging Chad U1A, U1B, U1C, U5, U6, U7

Item No. B21, B22, B23, B24



1:18,000

Legend

- Treatment Area
- Existing Roads
- Unknown Access
- Trails
- Streams
- Gate
- 40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

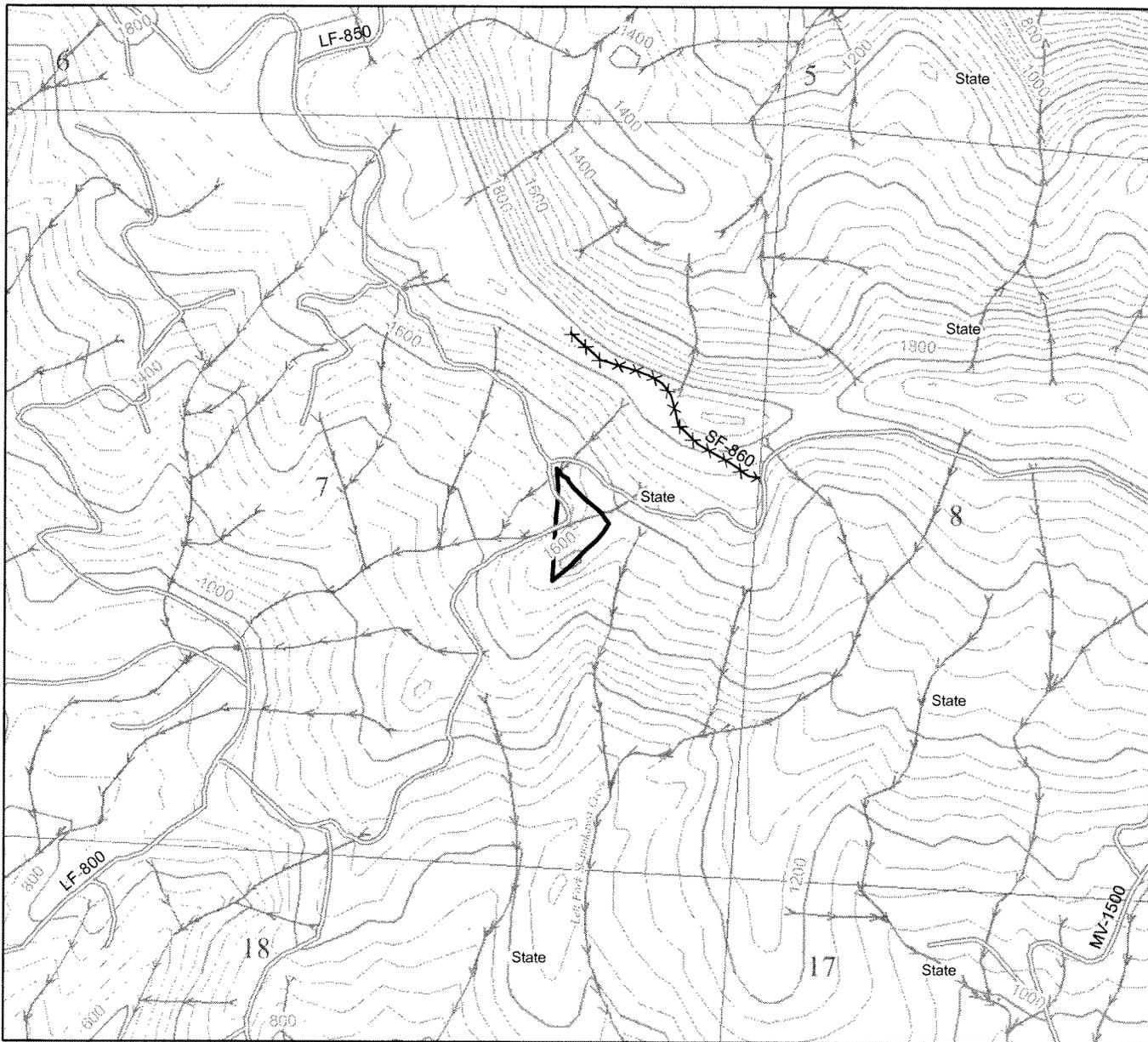
St. Helens District

Stella Unit

Township 10 North, Range 06 West, W.M.

Unit Name: Western Front BD

Item No. B25



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

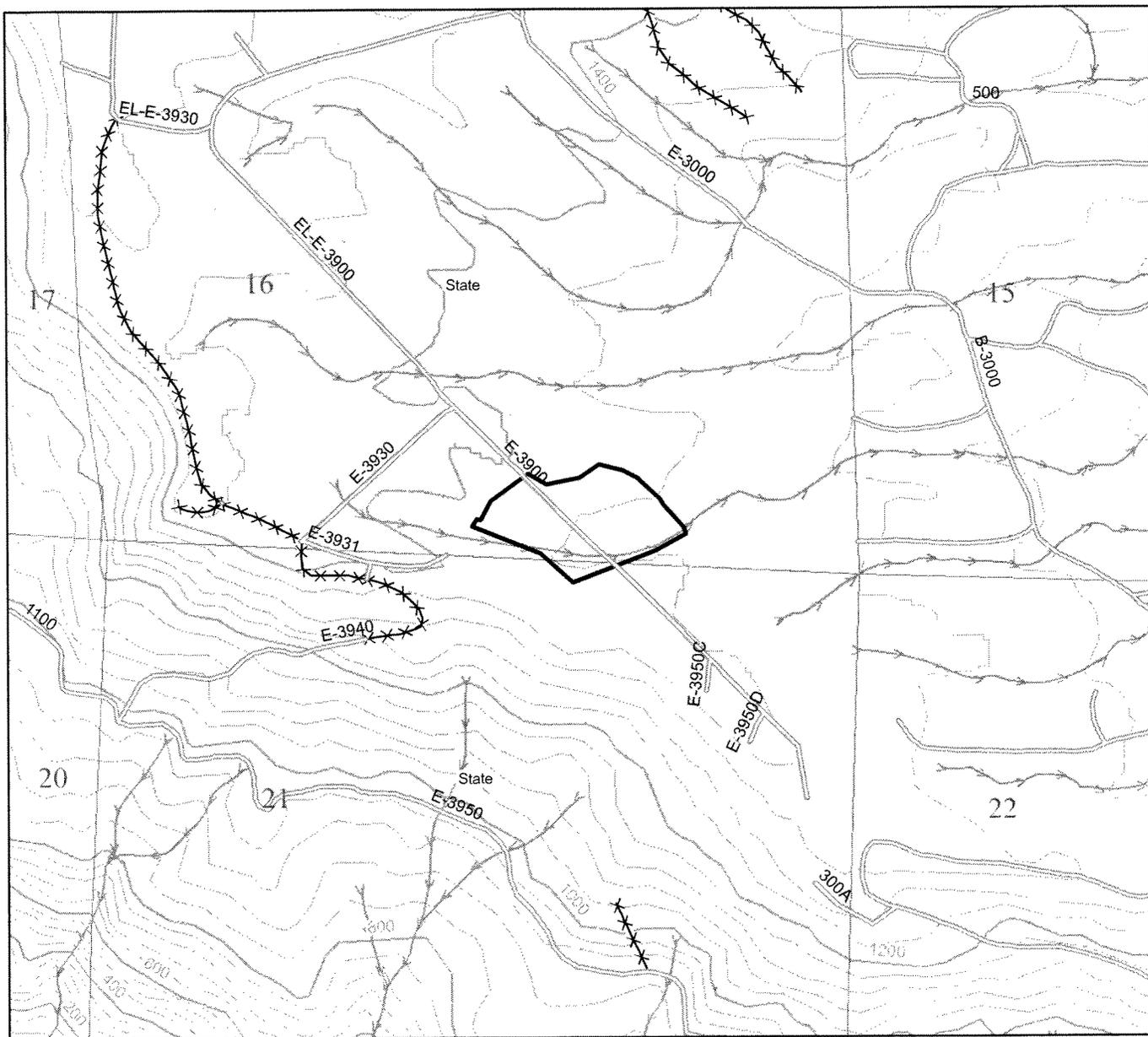
St. Helens District

Stella Unit

Township 8 North, Range 5 West, W.M.

Unit Name: French Toast BD

Item No. 26



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

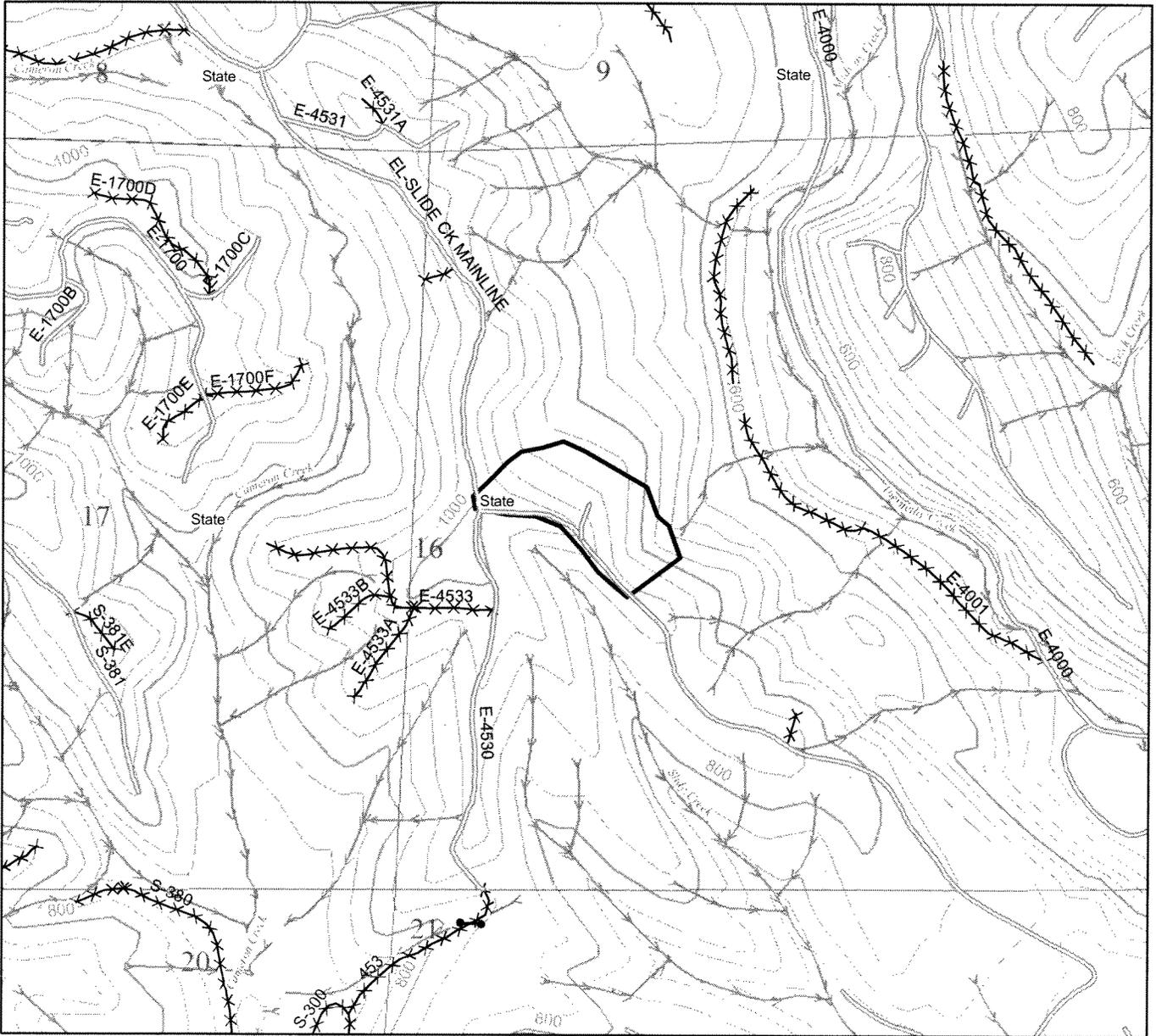
St. Helens District

Stella Unit

Township 9 North, Range 4 West, W.M.

Unit Name: Slide Cr Salvage

Item No. B27



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

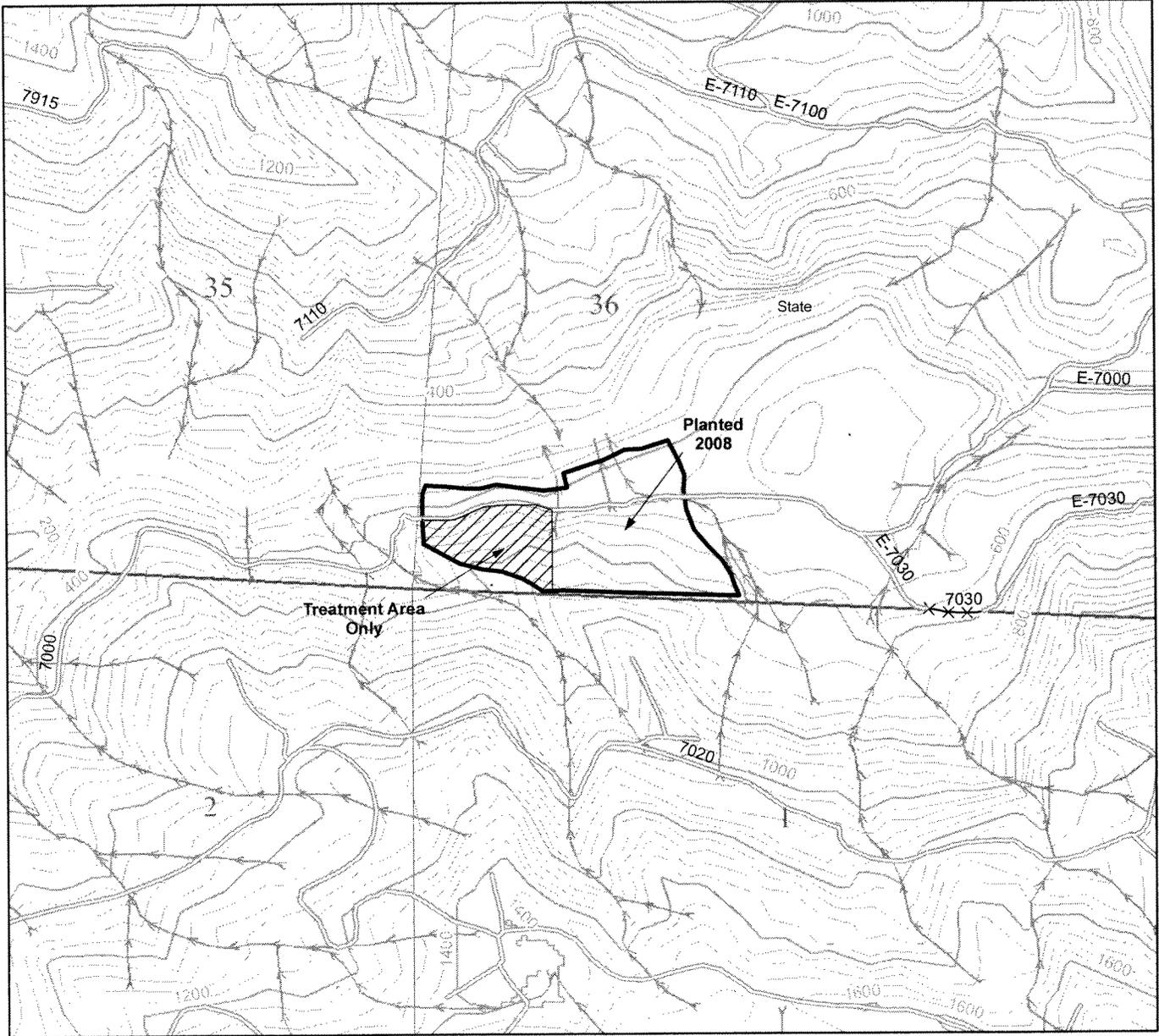
St Helens District

Stella Unit

Township 11 North, Range 07 West, W.M.

Unit Name: Desire Alder U1

Item No. B28



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

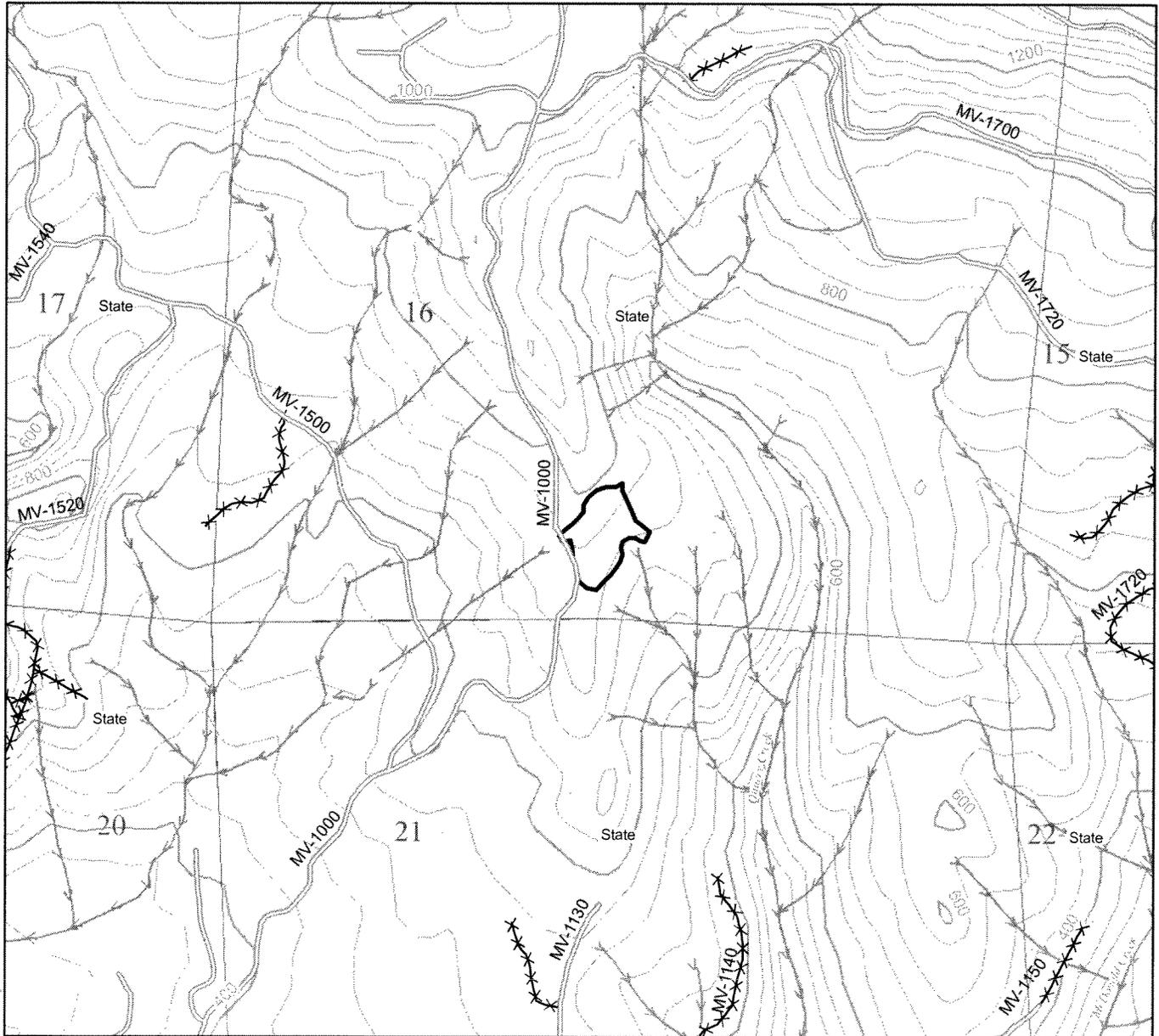
St Helens District

Stella Unit

Township 10 North, Range 06 West, W.M.

Unit Name: MV1000 Blowdown

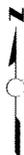
Item No. B29



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

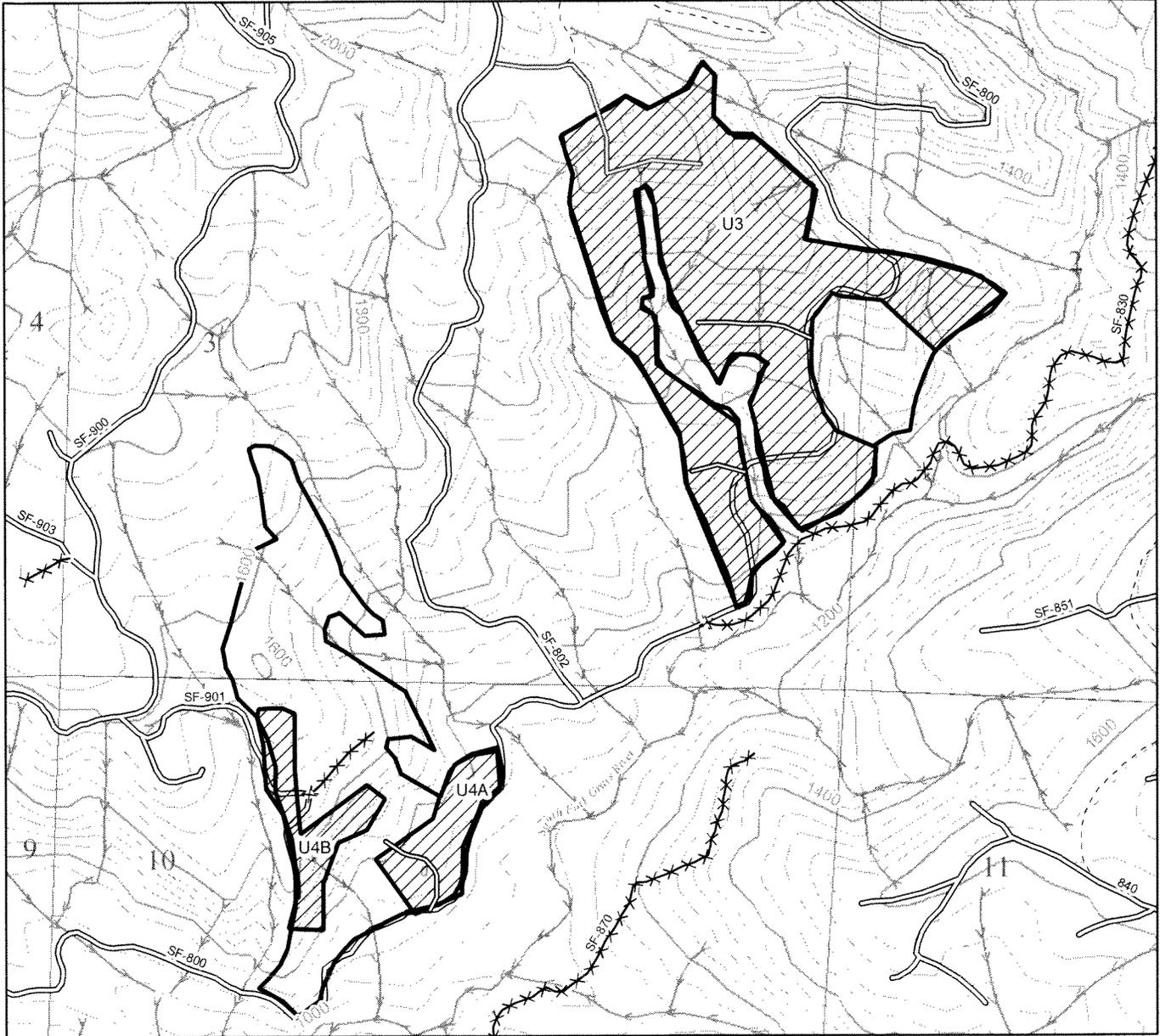
St Helens District

Stella Unit

Township 10 North, Range 06 West, W.M.

Unit Name: Green & Gold U3, U4A, U4B

B30, B31



1:12,000

Legend

-  Partial Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

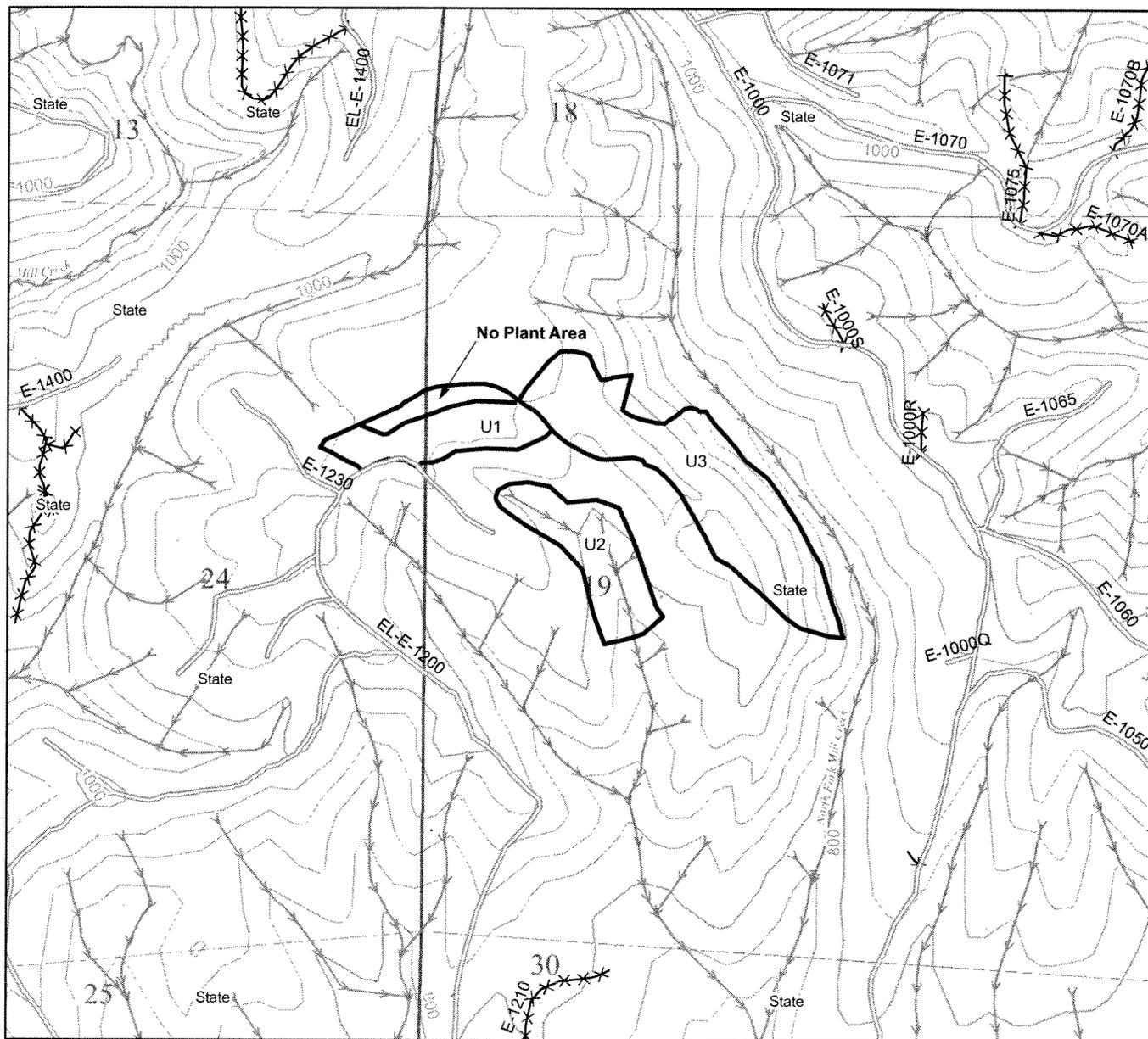
St Helens District

Stella Unit

Township 09 North, Range 04 West, W.M.

Unit Name: Clutch Blowdown U1, U2, U3

Item No. B32, B33, B34



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

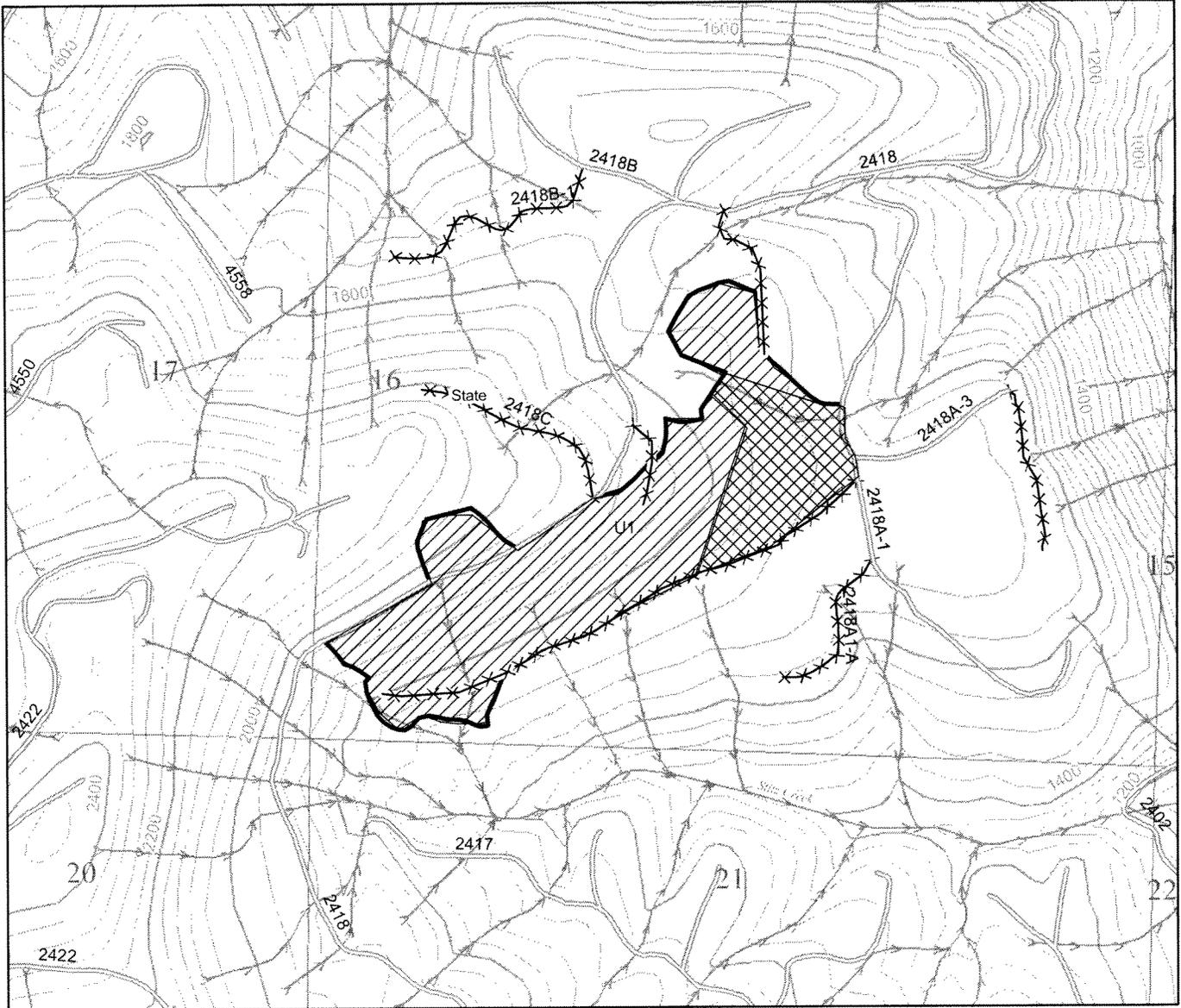
St. Helens District

Green Mountain Unit

Township 10 North, Range 2 East, W.M.

Unit Name: Boomer U1

Item No. B35



Legend

-  Treatment Area - DF 100 per acre
WH 200 per acre
WRC 200 per acre
-  Treatment Area - 400 DF per acre
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours

1:12,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

St. Helens District

Green Mountain Unit

Township 10 North, Range 2 East, W.M.

Unit Name: Boomer U2, U3, U4, U5, U6, U7

Item No. B36, B37, B38, B39, B40, B41



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Pacific Cascade Region

Township 7 North, Range 1 East, W.M.

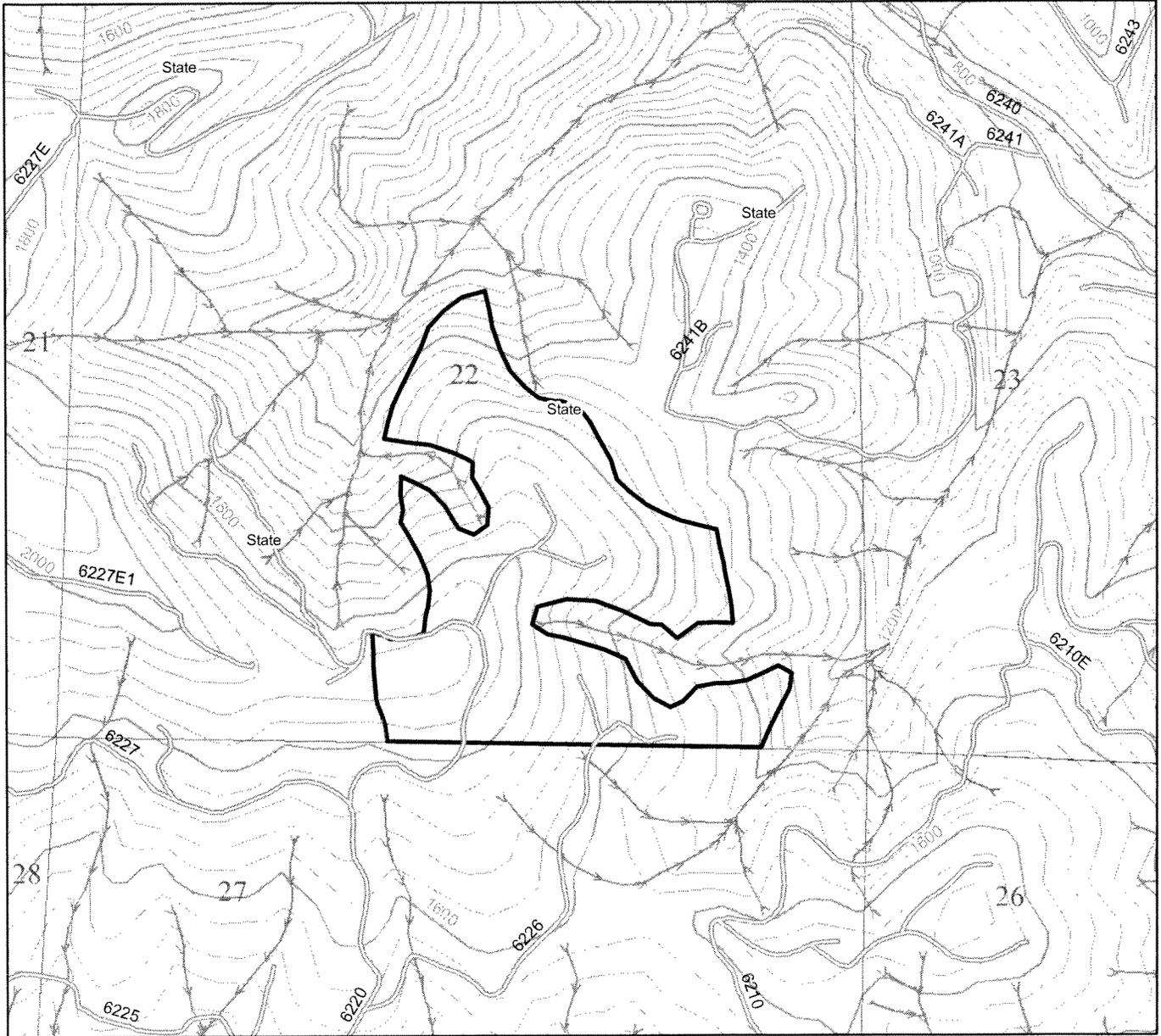
Unit Name: Steed

St. Helens District

Invitation to Bid No. 1224

Green Mountain Unit

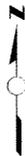
Item No. B42



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

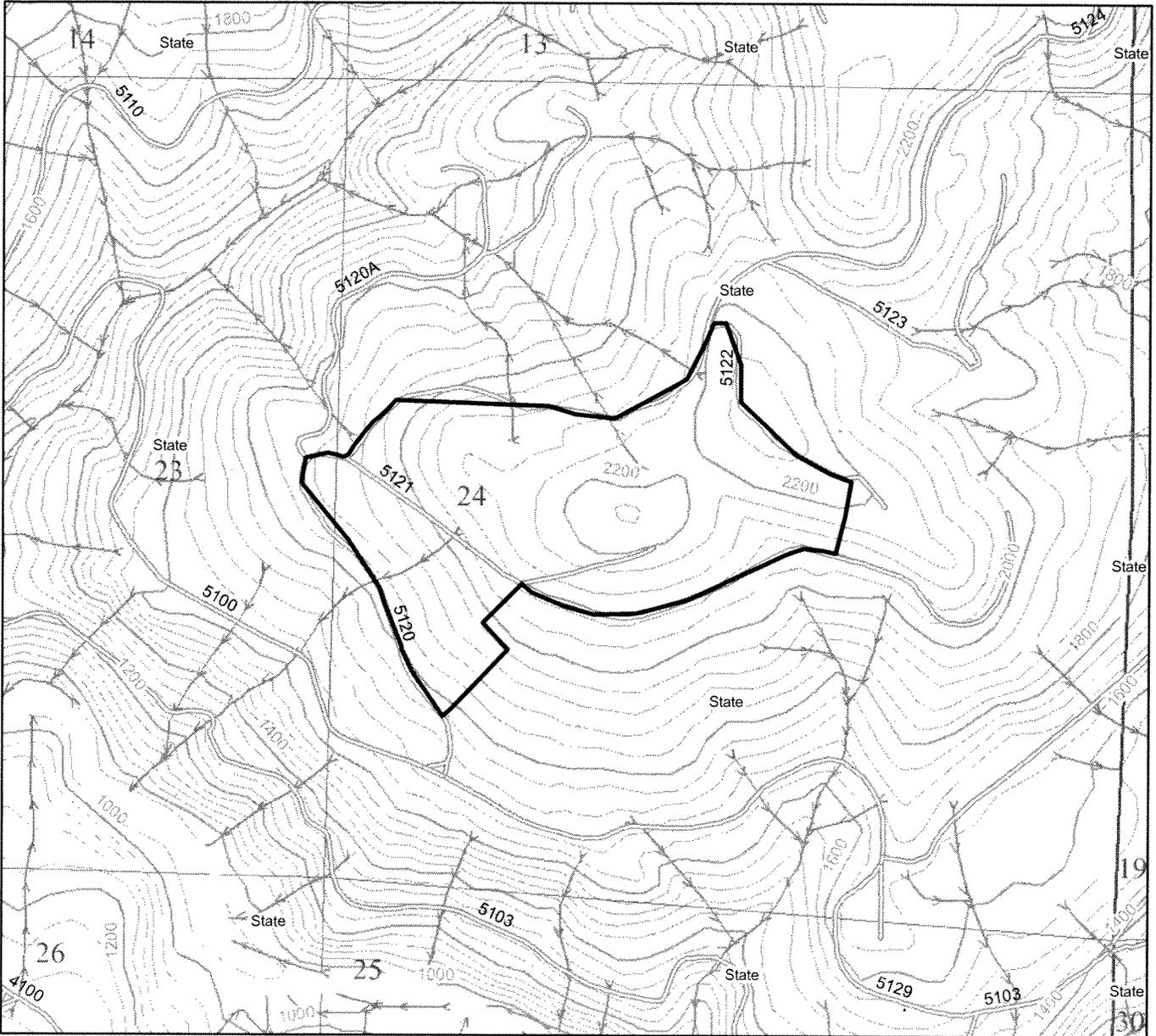
St. Helens District

Green Mountain Unit

Township 9 North, Range 2 East, W.M.

Unit Name: East 14 CC

Item No. B43



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  40' Contours



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1224

Pacific Cascade Region

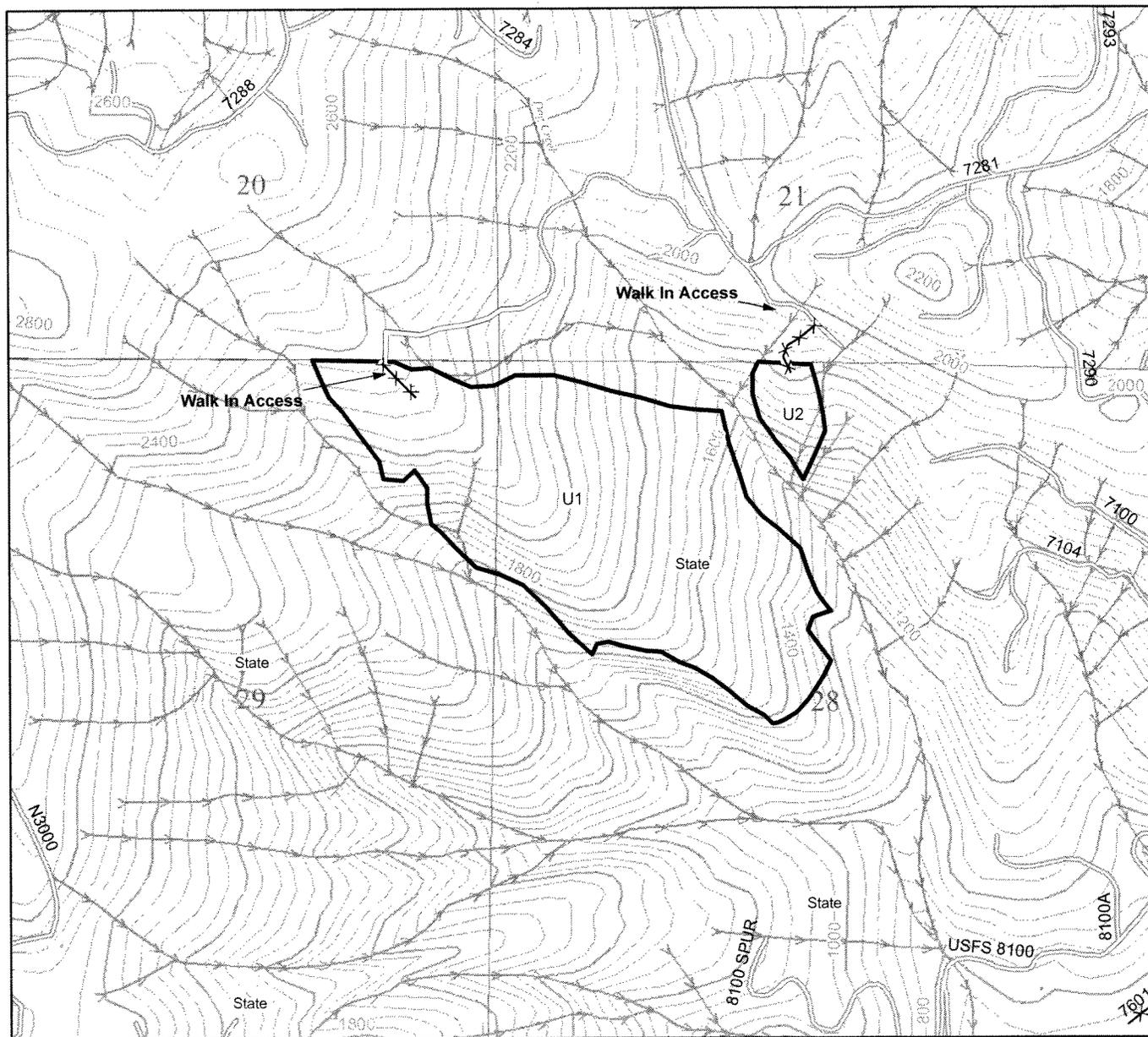
Yacolt District

Cougar Unit

Township 07 North, Range 04 East, W.M.

Unit Name: Descent U1 & U2

Item No. B44, B45



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



ITEM A UNIT DESCRIPTION SPREADSHEET																		
ALL WRC SHALL TARGET MICROSITES PER CLAUSE 3-21.1, 3-22.1							ITEM A REQUIRES TWO, TEN PERSON PLANTING CREWS EACH WITH A FOREPERSON PER CLAUSE 3-40, 3-41.1											
Item #	District	Local	Legal	Fmu Name	FMU #	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Average Total T/acre by Unit	Site Prep Type	Spacing	Gate	Key #	Notes
A1	Lewis	Pacific	T12N-R8W	Trapped In BD U-1	70337	1021-1158	5	DF	1+1	350	1,750	1,750	350	N/A	11 x 11			
A2	Lewis	Pacific	T12N-R8W	Trapped In BD RMZ 1	70336	954-1117	3	DF	1+1	100	300	600	200	N/A	14.8 x 14.8			
								WH	P+1	50	150							
								WRC	P+1	50	150							
A3	Lewis	Pacific	T12N-R8W	Trapped In BD U-2	70339	784-1438	21	DF	1+1	350	7,350	7,350	400	N/A	10.5 x 10.5			
A4	Lewis	Pacific	T12N-R8W	Trapped In BD U-2A	70733	1168-1378	8	DF	1+1	300	2,400	2,800	350	N/A	11 x 11			
								WRC	P+1	50	400							
A5	Lewis	Pacific	T12N-R8W	Trapped In BD RMZ 2	70338	711-1401	5	DF	1+1	150	750	1,250	250	N/A	13.2 x 13.2			
								WRC	P+1	50	250							
								WH	P+1	50	250							
A6	Lewis	Pacific	T12N-R8W	Trapped In BD U-3	70340	1196-1667	34	DF	1+1	350	11,900	13,600	400	N/A	10.5 x 10.5	X	PCPI-1	
								WRC	P+1	50	1,700							
A7	Lewis	Pacific	T12N-R8W	Trapped In BD RMZ 3	70691	1173-1318	8	DF	1+1	150	1,200	1,600	200	N/A	13.2 x 13.2	X	PCPI-1	
								WH	P+1	50	400							
A8	Lewis	Pacific	T12N-R8W	Trapped In BD U-4	70531	1552-1776	6	DF	1+1	300	1,800	2,100	350	N/A	11 x 11	X	PCPI-1	2 acres rocky soil
								WH	P+1	50	300							
A9	Lewis	Pacific	T13N-R8W	Falls Forks U-1	62717	207-522	76	DF	1+1	250	19,000	19,000	250	N/A	12 x 12			
A10	Lewis	Pacific	T13N-R8W	Falls Forks U-3	61894	449-815	36	DF	1+1	350	12,600	12,600	350	N/A	11 x 11			
A11	Lewis	Pacific	T13N-R8W	Falls Forks BD U-5	70448	499-664	5	DF	1+1	350	1,750	1,750	350	N/A	11 x 11			
A12	Lewis	Pacific	T13N-R8W	Falls Forks BD U-5A	70449	480-584	3	DF	1+1	350	1,050	1,050	350	N/A	11 x 11			
A13	Lewis	Pacific	T13N-R8W	Falls Forks BD RMZ 5	70447	440-675	4	DF	1+1	150	600	1,200	300	N/A	11 x 11			
								WRC	P+1	50	200							
								SS	P+0	100	400							
A14	Lewis	Pacific	T13N-R8W	Falls Forks BD U-6	70346	520-630	5	DF	1+1	350	1,750	1,750	350	N/A	11 x 11			

Item #	District	Local	Legal	Fmu Name	FMU #	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Average Total T/acre by Unit	Site Prep Type	Spacing	Gate	Key #	Notes
A15	Lewis	Pacific	T13N-R8W	Falls Forks BD RMZ 7	70348	364-508	5	DF	1+1	50	250	500	100	N/A	20.9 x 20.9			
								WRC	P+1	25	125							
								SS	P+0	25	125							
A16	Lewis	Pacific	T13N-R8W	Falls Forks BD U-8	70347	165-467	19	DF	1+1	350	6,650	6,650	350	N/A	11 x 11			
A17	Lewis	Pacific	T13N-R8W	Jammer U-1	44714	215-695	84	DF	1+1	435	36,540	36,540	435	C	10 x 10	F-Line	PCPI-1	
A18	Lewis	Pacific	T13N-R8W	Jammer U-2	61626	264-835	67	DF	1+1	435	29,145	29,145	435	C	10 x 10			
A19	Lewis	Pacific	T13N-R8W	Jammer BD U-10	70388	354-481	18	DF	1+1	200	3,600	3,600	200	N/A	14.8 x 14.8			
A20	Lewis	Pacific	T13N-R8W	Jammer BD U-10A	70390	317-351	1	DF	1+1	200	200	300	300	N/A	12 x 12			
								WH	P+1	50	50							
								SS	P+0	50	50							
A21	Lewis	Pacific	T13N-R8W	Jammer BD RMZ 10A	70386	309-361	1	DF	1+1	100	100	200	200	N/A	14.8 x 14.8			
								WRC	P+1	50	50							
								SS	P+0	50	50							
A22	Lewis	Pacific	T13N-R8W	Jammer BD RMZ 10B	70996	436-483	1	DF	1+1	100	100	200	200	N/A	14.8 x 14.8			
								WRC	P+1	50	50							
								SS	P+0	50	50							
A23	Lewis	Pacific	T13N-R8W	Jammer BD U-12	70445	364-451	17	DF	1+1	350	5,950	5,950	350	N/A	11 x 11			
A24	Lewis	Pacific	T13N-R9W	Jammer BD U-13	70391	398-542	11	DF	1+1	350	3,850	3,850	350	N/A	11 x 11			
A25	Lewis	Pacific	T13N-R9W	Jammer BD U-14	70392	454-592	11	DF	1+1	350	3,850	3,850	350	N/A	11 x 11			
A26	Lewis	Pacific	T13N-R8W	Rue-End Slvg U3-A	70417	483-930	67	DF	1+1	300	20,100	20,100	300	N/A	12 x 12			
A27	Lewis	Pacific	T13N-R8W	Rue-End Slvg U3-B	70601	466-791	24	DF	1+1	300	7,200	7,200	300	N/A	12 x 12			
A28	Lewis	Pacific	T13N-R8W	Rue-End Slvg U3-RMZ1	70416	511-869	13	DF	1+1	300	3,900	3,900	300	N/A	12 x 12			

Item #	District	Local	Legal	Fmu Name	FMU #	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Average Total T/acre by Unit	Site Prep Type	Spacing	Gate	Key #	Notes
A29	Lewis	Pacific	T13N-R8W	Rue-End Slvg U3-RMZ2	70415	435-822	27	DF	1+1	300	8,100	8,100	300	N/A	12 x 12			
A30	Lewis	Pacific	T13N-R8W	Rue-End Slvg U4	70420	982-1061	3	DF	1+1	435	1,305	1,305	435	N/A	10 x 10			
A31	Lewis	Pacific	T13N-R8W	Rue-End Slvg U5	70422	585-798	13	DF	1+1	435	5,655	5,655	435	N/A	10 x 10			
A32	Lewis	Pacific	T13N-R8W	Rue-End Slvg U6	70424	1030-1281	10	DF	1+1	435	4,350	4,350	435	N/A	10 x 10			
A33	Lewis	Pacific	T13N-R8W	Rue-End Slvg U-7A	70419	582-933	28	DF	1+1	300	8,400	8,400	300	N/A	12 x 12			
A34	Lewis	Pacific	T13N-R8W	Rue-End Slvg U-7B	70446	586-821	10	DF	1+1	300	3,000	3,000	300	N/A	12 x 12			
A35	Lewis	Pacific	T13N-R8W	Rue-End Slvg U-7C	70423	667-842	9	DF	1+1	435	3,915	3,915	435	N/A	10 x 10			
A36	Lewis	Pacific	T13N-R8W	Rue-End Slvg U-7D	70425	764-819	3	DF	1+1	435	1,305	1,305	435	N/A	10 x 10			
A37	Lewis	Pacific	T13N-R8W	Rue-End Slvg U-7E	70426	773-1290	51	DF	1+1	300	15,300	15,300	300	N/A	12 x 12			
A38	Lewis	Pacific	T13N-R8W	Rue-End Slvg U-7F	70428	746-1486	48	DF	1+1	300	14,400	14,400	300	N/A	12 x 12			
A39	Lewis	Pacific	T13N-R8W	Rue-End Slvg U7-RMZ	70418	496-1254	50	DF	1+1	200	10,000	15,000	300	N/A	12 x 12			
								WH	P+1	50	2,500							
								SS	P+0	50	2,500							
A40	Lewis	Pacific	T13N-R8W	Rue-End Slvg U8	70427	975-1274	30	DF	1+1	300	9,000	9,000	300	N/A	12 x 12			
A41	Lewis	Pacific	T13N-R8W	Rue-End Slvg U9	70429	851-1209	18	DF	1+1	50	900	900	50	N/A	29.5 x 29.5			
A42	Lewis	Pacific	T13N-R8W	Rue-End Slvg U10	70430	1107-1216	7	DF	1+1	300	2,100	2,100	300	N/A	12 x 12			
A43	Lewis	Pacific	T13N-R8W	Rue-End Slvg U11-A	70604	633-843	32	DF	1+1	200	6,400	6,400	200	N/A	14.8 x 14.8			
A44	Lewis	Pacific	T13N-R8W	Rue-End Slvg U11-B	70433	536-731	31	DF	1+1	200	6,200	6,200	200	N/A	14.8 x 14.8			
A45	Lewis	Pacific	T13N-R8W	Rue-End Slvg U11-C	70605	717-1023	17	DF	1+1	200	3,400	3,400	200	N/A	14.8 x 14.8			
A46	Lewis	Pacific	T13N-R8W	Rue-End Slvg U11RMZ1	70431	629-911	11	DF	1+1	200	2,200	3,300	300	N/A	12 x 12			
								WRC	P+1	50	550							
								SS	P+0	50	550							

Item #	District	Local	Legal	Fmu Name	FMU #	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Average Total T/acre by Unit	Site Prep Type	Spacing	Gate	Key #	Notes
A47	Lewis	Pacific	T13N-R8W	Rue-End Slvg U11RMZ2	70432	510-573	6	DF	1+1	200	1,200	1,800	300	N/A	12 x 12			
								WRC	P+1	50	300							
								SS	P+0	50	300							
A48	Lewis	Pacific	T13N-R8W	Generous BD U-1	70332	558-909	24	DF	1+1	85	2,040	3,000	125	N/A	18.5 x 18.5			
								WRC	P+1	20	480							
								SS	P+0	20	480							
A49	Lewis	Pacific	T13N-R8W	Generous BD RMZ 1	70331	521-760	13	DF	1+1	85	1,105	1,625	125	N/A	18.5 x 18.5			
								WRC	P+1	20	260							
								SS	P+0	20	260							
A50	Lewis	Pacific	T12N-R8W	Generous BD U-3	70334	633-886	12	DF	1+1	100	1,200	3,600	300	N/A	12 x 12			
								WRC	P+1	100	1,200							
								SS	P+0	100	1,200							
A51	Lewis	Pacific	T13N-R8W	Typo U-1	64981	609-1361	90	DF	1+1	350	31,500	31,500	350	N/A	11 x 11			
A52	Lewis	Pacific	T13N-R8W	Typo BD U-2	70439	804-1211	34	DF	1+1	350	11,900	11,900	350	N/A	11 x 11			
A53	Lewis	Pacific	T13N-R8W	Typo BD U-2 RMZ	71166	731-1001	10	DF	1+1	350	3,500	3,500	350	N/A	11 x 11			
A54	Lewis	Pacific	T13N-R8W	Typo BD U-3	70441	658-918	32	DF	1+1	350	11,200	11,200	350	N/A	11 x 11			
A55	Lewis	Pacific	T13N-R9W	Fallen Elk BD U-1	70193	602-974	36	DF	1+1	300	10,800	10,800	300	N/A	12 x 12			
A56	Lewis	Pacific	T13N-R9W	Fallen Elk BD U-2	70195	813-1204	41	DF	1+1	300	12,300	12,300	300	N/A	12 x 12			
A57	Lewis	Pacific	T13N-R8W	GPR Middle Fork Rue	47711	537-748	20	DF	1+1	180	3,600	6,000	300	N/A	12 x 12			
								WRC	P+1	40	800							
								SS	P+0	80	1,600							
Item A Totals:						Approximate Total Acres			1,274									
						Approximate Total Trees			399,640									

ITEM B UNIT DESCRIPTION SPREADSHEET

ALL WRC SHALL TARGET MICROSITES PER CLAUSE 3-21.1, 3-22.1

ITEM B REQUIRES TWO, TEN-PERSON PLANTING CREWS PER CLAUSE 3-40, 3-41.1

Item #	District	Local	Legal	Fmu Name	FMU#	Elevation	Acres	Species	Stock Type	T/acre by	Total Trees by	Total Trees	Average	Site Prep	Approximate	Gate	Key #	Comments
										Species	Species	by Unit	T/acre by					
B1	Lewis	Salkum	T11N-R3E	Showtime U2	25069	1557 - 1775	94	DF	1+1	400	37,600	37,600	400	N/A	10.5 x 10.5			
B2	Lewis	Salkum	T13N-R2E	American Idol U1	45829	735 - 1109	20	DF	1+1	400	8,000	8,000	400	N/A	10.5 x 10.5			
B3	Lewis	Salkum	T13N-R2E	American Idol U2	45830	1042 - 1407	53	DF	1+1	400	21,200	21,200	400	N/A	10.5 x 10.5			
B4	Lewis	Salkum	T12N-R2E	Barbaro BD U1	67261	1282-1471	28	DF	1+1	440	12,320	12,320	440	C	10 x 10			
B5	Lewis	Salkum	T11N-R2E	Rem U1	45290	1189-1517	76	DF WRC	1+1 P+1	175 175	13,300 13,300	26,600	350	C	11 x 11			
B6	Lewis	Salkum	T11N-R2E	Rem U2	45291	1234-1688	97	DF WRC	1+1 P+1	400 175	38,800 16,975	55,775	575	C	8.7 x 8.7			
B7	Lewis	Lincoln	T13N-R6W	Bob's Big Boy U1	41582	978-1227	27	DF	1+1	400	10,800	10,800	400	C	10.5 x 10.5	N-1200	PCP1-1	
B8	Lewis	Lincoln	T13N-R6W	Bob's Big Boy U2	41583	1228-1669	47	DF	1+1	400	18,800	18,800	400	C	10.5 x 10.5	N-1200	PCP1-1	
B9	Lewis	Lincoln	T13N-R5W	Instant Karma BD U1	68321	550-933	27	DF	1+1	400	10,800	10,800	400	C	10.5 x 10.5	N-1000	PCP1-1	
B10	St. Helens	Stella	T10N-R2W	Final Casey U1	24314	1039-1267	37	DF WRC	1+1 P+1	360 80	13,320 2,960	16,280	440	C	9.8 x 9.8			
B11	St. Helens	Stella	T10N-R2W	Final Casey U2	64348	745-1103	31	DF WRC	1+1 P+1	360 80	11,160 2,480	13,640	440	C	9.8 x 9.8			
B12	St. Helens	Stella	T10N-R2W	Final Casey U3	24313	994-1086	16	DF WRC	1+1 P+1	360 80	5,760 1,280	7,040	440	C	9.7 x 9.7			
B13	St. Helens	Stella	T10N-R4W	Center Drive U1	64356	883-2080	64	DF WRC	1+1 P+1	350 25	22,400 1,600	24,000	375	C	11 x 11			
B14	St. Helens	Stella	T10N-R4W	Center Drive U2	64357	981-1071	5	DF WRC	1+1 P+1	350 25	1,750 125	1,875	375	C	11 x 11			
B15	St. Helens	Stella	T10N-R4W	Center Drive U3	27138	863-1020	11	DF WRC	1+1 P+1	350 25	3,850 275	4,125	375	C	11 x 11			
B16	St. Helens	Stella	T9N-R4W	Center Drive U4	27139	770-1421	33	DF WRC	1+1 P+1	350 25	11,550 825	12,375	375	C	11 x 11			

Item #	District	Local	Legal	Fmu Name	FMU#	Elevation	Acres	Species	Stock Type	T/acre by	Total Trees by	Total Trees	Average	Site Prep Type	Approximate Spacing	Gate	Key #	Comments
										Species	Species	by Unit	T/acre by Unit					
B17	St. Helens	Stella	T9N-R4W	Center Drive U5	64358	860-1309	41	DF WRC	1+1 P+1	350 25	14,350 1,025	15,375	375	C	11 x 11			
B18	St. Helens	Stella	T9N-R5W	Between Cougar R U1	62072	402-1047	66	DF WRC	1+1 P+1	350 50	23,100 3,300	26,400	400	C	10.5 x 10.5			
B19	St. Helens	Stella	T8N-R5W	Between Cougar R U2	22830	531-961	41	DF WRC	1+1 P+1	350 50	14,350 2,050	16,400	400	C	10.5 x 10.5			
B20	St. Helens	Stella	T8N-R5W	Between Cougar R U3	66793	565-774	6	DF	1+1	400	2,400	2,400	400	C	10.5 x 10.5			
B21	St. Helens	Stella	T9N-R5W	Hanging Chad U1A, U1B, U1C	68355	827-1269	42	DF WH WRC	1+1 P+1 P+1	300 100 25	12,600 4,200 1,050	17,850	425	N/A	10 x 10			
B22	St. Helens	Stella	T9N-R5W	Hanging Chad U5	68358	1019-1099	3	DF WH WRC	1+1 P+1 P+1	300 100 25	900 300 75	1,275	425	N/A	10 x 10			
B23	St. Helens	Stella	T9N-R5W	Hanging Chad U6	68359	997-1103	5	DF WH WRC	1+1 P+1 P+1	300 100 25	1,500 500 125	2,125	425	N/A	10 x 10			
B24	St. Helens	Stella	T9N-R5W	Hanging Chad U7	68360	978-1084	5	DF WH WRC	1+1 P+1 P+1	300 100 25	1,500 500 125	2,125	425	C	10 x 10			
B25	St. Helens	Stella	T10N-R6W	Western Front BD	67811	1474-1585	3	DF GF	1+1 P+0	200 225	600 682	1,282	425	N/A	10.1 x 10.1			
B26	St. Helens	Stella	T8N-R5W	French Toast BD	69204	1354-1396	14	DF WH WRC	1+1 P+0 P+1	360 20 20	5,040 280 280	5,600	400	C	10.5 x 10.5			
B27	St. Helens	Stella	T9N-R4W	Slide Creek Salvage	67251	763-996	14	DF	1+1	360	5,040	5,040	360	C	11 x 11			
B28	St. Helens	Stella	T11N-R7W	Desire Alder U1 DROPPED	61527	331-676	0	DF PSF	1+1 P+1	300 100	0 0	0	400	C	10.5 x 10.5			

Item #	District	Local	Legal	Fmu Name	FMU#	Elevation	Acres	Species	Stock Type	T/acre by		Total Trees by		Average	Site Prep	Approximate	Gate	Key #	Comments
										Species	Species	Total Trees	Total Trees	T/acre by					
B29	St. Helens	Stella	T10N-R6W	MV1000Blowdown	70101	720 - 795	4	WH SS	P+0 P+0	180 180	720 720	1,440	360	N/A	11 x 11				
B30	St. Helens	Stella	T10N-R6W	Green & Gold U3	62237	1156 - 1887	81	DF NF PSF	1+1 P+1 P+1	260 80 20	21,000 6,500 1,650	29,150	360	N/A	11 x 11				
B31	St. Helens	Stella	T10N-R6W	Green & Gold U4	67104	1120 - 1725	22	DF GF	1+1 P+0	300 30	6,600 700	7,300	330	N/A	11.5 x 11.5				
B32	St. Helens	Stella	T9N-R4W	Clutch	44629	770 - 1086	28	DF GF	1+1 P+1	300 40	8,400 2,900	11,300	340	C	11.3 x 11.3				
B33	St. Helens	Stella	T9N-R4W	Clutch Blowdown U2	69474	950 - 1050	11	DF GF	1+1 P+1	300 40	3,300 2,901	6,201	340	N/A	11.3 x 11.3				
B34	St. Helens	Stella	T9N-R4W	Clutch Blowdown U3	69475	900 - 1080	27	DF GF WRC	1+1 P+1 P+0	300 40 20	8,100 1,080 540	9,720	360	N/A	11 x 11				
B35	St. Helens	Green Mtn	T10N-R2E	Boomer U1 <i>Boomer U1 root rot area</i>	15395	1695-2080	55 20	DF WRC WH DF	1+1 P+1 P+1 1+1	400 200 200 100	22,000 4,000 4,000 2,000	32,000	400 500	C,M	10.5 x 10.5	X	LAD	See map for details WRC are pre-netted with flexible netting	
B36	St. Helens	Green Mtn	T10N-R2E	Boomer U2	15396	1423-1679	34	DF WRC	1+1 P+1	360 40	12,240 1,360	13,600	400	C,M	10.2 x 10.2	X	LAD		
B37	St. Helens	Green Mtn	T10N-R2E	Boomer U3	18989	1482-1606	6	DF WRC	1+1 P+1	360 40	2,160 240	2,400	400	C,M	10.5 x 10.5	X	LAD		
B38	St. Helens	Green Mtn	T10N-R2E	Boomer U4	15399	1559-1645	8	DF WRC	1+1 P+1	360 40	2,880 320	3,200	400	C,M	10.5 x 10.5	X	LAD		
B39	St. Helens	Green Mtn	T10N-R2E	Boomer U5	60011	1594-1642	3	DF WRC	1+1 P+1	360 40	1,080 120	1,200	400	C,M	10.5 x 10.5	X	LAD		
B40	St. Helens	Green Mtn	T10N-R2E	Boomer U6	60012	1375-1460	4	DF WRC	1+1 P+1	360 40	1,440 160	1,600	400	C,M	10.5 x 10.5	X	LAD		
B41	St. Helens	Green Mtn	T10N-R2E	Boomer U7	60013	1316-1416	2	DF WRC	1+1 P+1	360 40	720 80	800	400	C,M	10.5 x 10.5	X	LAD		
B42	St. Helens	Green Mtn	T7N-R1E	Steed	22022	1246-1897	95	DF	1+1	400	38,000	38,000	400	C,M	10.5 x 10.5	X	LAD		
B43	St. Helens	Green Mtn	T9N-2E	East 14 CC	64872	1767-2252	95	DF	1+1	400	38,000	38,000	400	M	10.5 x 10.5				
B44	Yacolt	Cougar	T7N-4E	Descent U1	29186	1200-2400	90	DF	1+1	360	32,400	32,400	360	C	11 x 11	Yes	786		
B45	Yacolt	Cougar	T7N-R4E	Descent U2	62681	1400-1900	6	DF	1+1	360	2,160	2,160	360	C	11 x 11	Yes	786		
Item B Totals:							Total Acres:	1,497											
							Total Trees:	607,573											

