



TIMBER NOTICE OF SALE

SALE NAME: DABBLER

AGREEMENT NO: 30-106156

AUCTION: January 30, 2025 starting at 10:00 a.m., **COUNTY:** Clark
Pacific Cascade Region Office, Castle Rock, WA

SALE LOCATION: Sale located approximately 28 miles east of Woodland, WA

**PRODUCTS SOLD
AND SALE AREA:**

All timber, except leave trees bound by yellow "Leave Tree Area" tags, leave trees marked with blue paint, all down timber existing 5 years prior to the day of sale, all timber 60 inches DBH and greater and snags bound by the following:

Unit 1, pink flagging, white "Timber Sale Boundary Tags" with pink flagging, pink flagging, timber type change, the S-8050, S-8054 and the S-8054A road;

Unit 2, white "Timber Sale Boundary" tags with pink flagging and the S-8054 road;

Unit 3, white "Timber Sale Boundary" tags with pink flagging, pink flag line and timber type change;

Unit 4 and 5 ROW, orange "Right of Way" tags;

All forest products above located on part(s) of Sections 35 and 36 all in Township 6 North, Range 4 East, W.M., containing 140 acres, more or less.

CERTIFICATION: This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BVC-SFIFM-018227)

ESTIMATED SALE VOLUMES AND QUALITY:

Species	Avg DBH	Ring Count	Total MBF	MBF by Grade								
				1P	2P	3P	SM	1S	2S	3S	4S	UT
Douglas fir	23.4	10	6,041			324	1,308		3,275	1,020	99	15
Hemlock	18.1		2,529						1,828	543	120	38
Maple	15.3		32						12	6	14	
Redcedar	20.8		17							15	2	
Red alder	10.6		2								2	
Sale Total			8,621									

MINIMUM BID: \$2,909,000.00 **BID METHOD:** Sealed Bids

PERFORMANCE SECURITY: \$100,000.00 **SALE TYPE:** Lump Sum

EXPIRATION DATE: October 31, 2026 **ALLOCATION:** Export Restricted

BID DEPOSIT: \$290,900.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.



TIMBER NOTICE OF SALE

HARVEST METHOD: Cable, Shovel, Track skidder, and Cable-Assist. This sale is estimated to be 75 percent ground based and 25 percent cable harvest systems. Ground based harvesting is restricted to sustained slopes of 45 percent or less, self-leveling equipment to 55 percent or less and cable-assist to 75 percent. Yarding will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

ROADS: 36.67 stations of required reconstruction. 16.22 stations of optional construction. 37.80 stations of optional reconstruction. 254.49 stations of required prehaul maintenance. 22.10 stations of abandonment.

Rock used in accordance with the quantities on the ROCK LIST may be obtained from the S-8054A Pit in Section 36, T6N, R4E W.M. on state land at no charge to the Purchaser. Purchaser shall obtain written approval from the Contract Administrator for the use of material from any other source.

Rock used in accordance with the quantities on the ROCK LIST may be obtained from any commercial source at the Purchaser's expense. Rock sources are subject to written approval by the Contract Administrator before their use. The hauling of forest products will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

ACREAGE DETERMINATION

CRUISE METHOD: The sale acres were determined by GPS delineation. Cruise was completed using variable plot cruise methods.

FEES: \$146,557.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

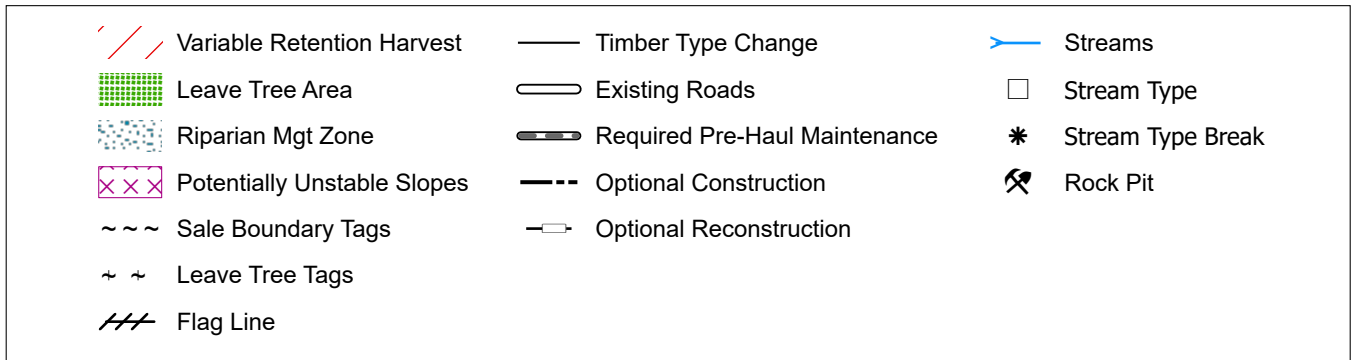
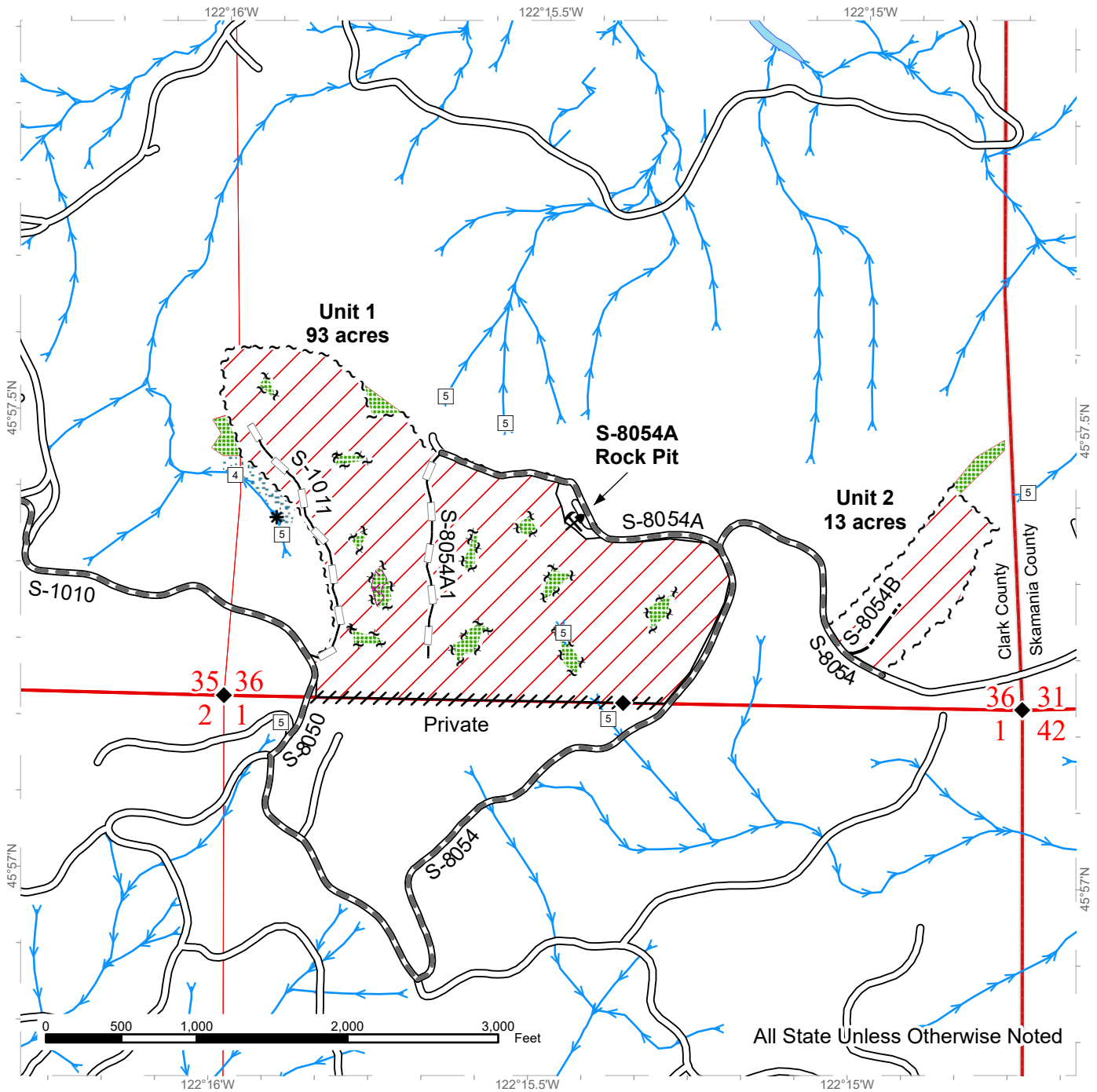
SPECIAL REMARKS: This sale is estimated to contain 330 MBF of 3P Douglas-fir, 1,323 MBF of SM Douglas-fir, 1,263 MBF of HQ Douglas-fir 2 Saw and better, 178 MBF of HQ Douglas-fir 3 Saw and 86 MBF of Pole quality Douglas-fir. See Cruise for further details.

Purchaser must obtain Overloaded Permit from US Forest Service to drive overloaded vehicles over USFS 54 Canyon Creek Bridge. Overloaded vehicles are considered to be anything over 80,000 pounds.

TIMBER SALE MAP

SALE NAME: DABBLER
AGREEMENT #: 30-106156
TOWNSHIP(S): T6R4E
TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

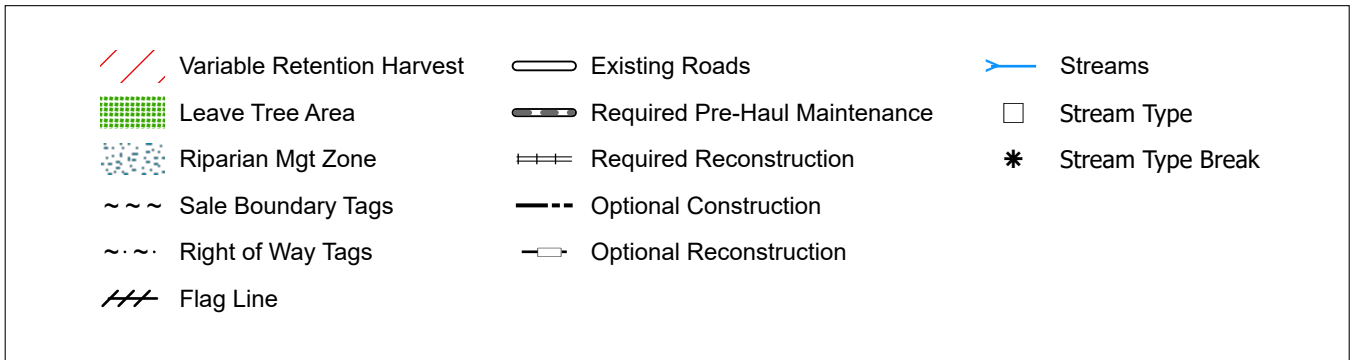
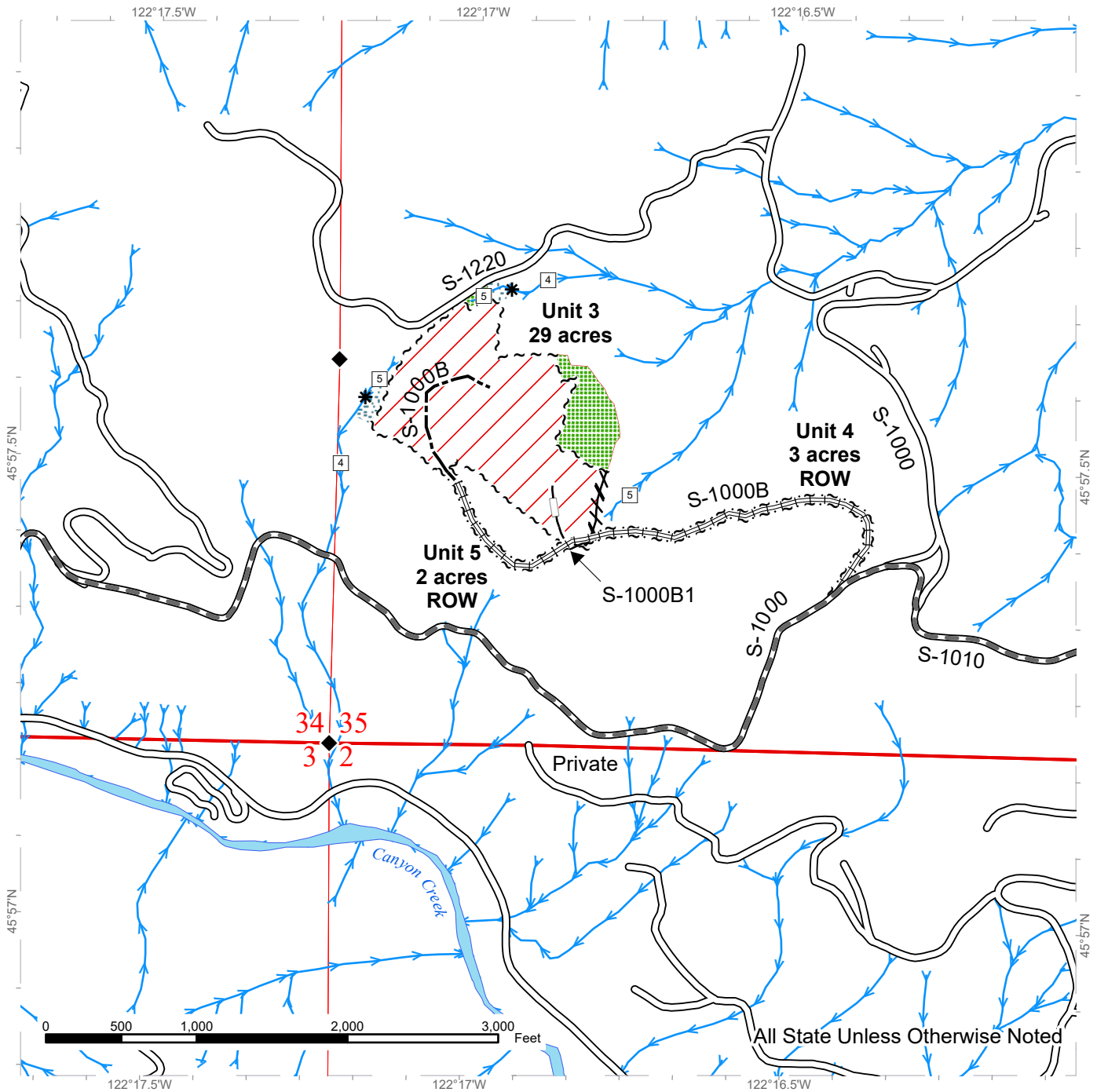
REGION: Pacific Cascade Region
COUNTY(S): Clark
ELEVATION RGE: 1400-1920



TIMBER SALE MAP

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TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

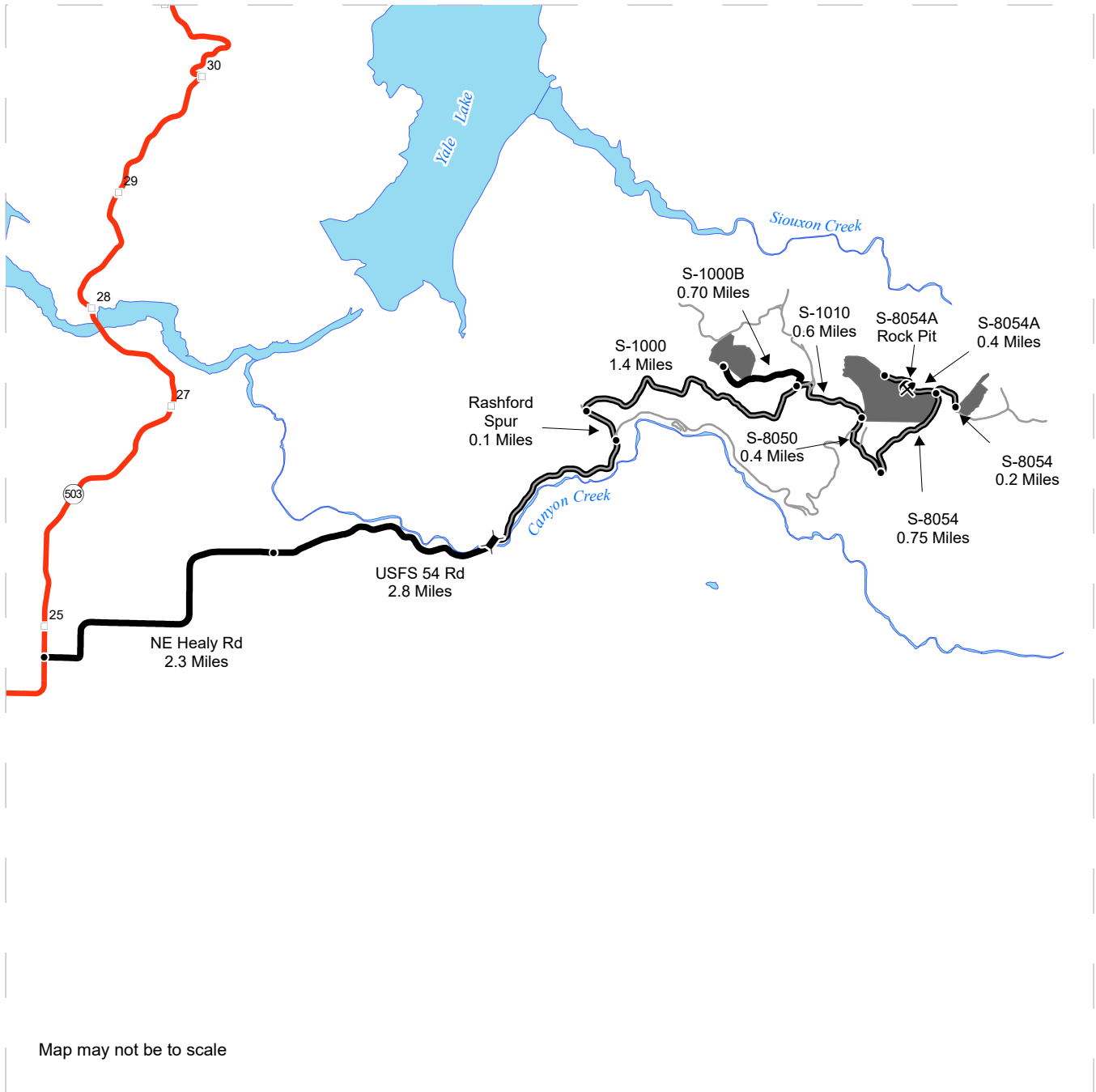
REGION: Pacific Cascade Region
COUNTY(S): Clark
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DRIVING MAP

SALE NAME: DABBLER
 AGREEMENT#: None
 TOWNSHIP(S): T6R4E
 TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
 COUNTY(S): Clark
 ELEVATION RGE: 1400-1920



Map may not be to scale

<ul style="list-style-type: none">  Timber Sale Unit  Highway  Haul Route  Other Road  Bridge  Distance Indicator(s)  Rock Pit 	<p><u>DRIVING DIRECTIONS:</u></p> <p>From Highway 503, turn east onto NE Healy Rd. Continue on NE Healy Rd for 2.3 miles. NE Healy Rd becomes USFS 54 Rd. Travel on USFS 54 Rd for 2.8 miles. Turn left (North) onto the Rashford Spur and follow for 0.1 miles. Turn right (Northeast) onto the S-1000 and follow for 1.4 miles to Unit 3. Turn right (Southeast) onto the S-1010 and continue for 0.6 miles to the S-8050. Continue on the S-8050 (South) and follow for 0.4 miles. Turn left (North) onto the S-8054 and follow for 0.75 miles to Unit 1. Turn left (East) onto the S-8054A road and drive for 0.15 miles to the S-8054A Rock Pit. Turn right (East) onto the S-8054A road and follow for 0.2 miles to Unit 2.</p>
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**STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES**

**BILL OF SALE AND CONTRACT FOR
FOREST PRODUCTS**

Export Restricted Lump Sum AGREEMENT NO. 30-0106156

SALE NAME: DABBLER

**THE STATE OF WASHINGTON DEPARTMENT OF NATURAL
RESOURCES, HEREINAFTER ACTING SOLELY, IN ITS PROPRIETARY
CAPACITY, STATE, AND PURCHASER, AGREE AS FOLLOWS:**

Section G: General Terms

G-001 Definitions

The following definitions apply throughout this contract;

Bill of Sale and Contract for Forest Products: Contract between the Purchaser and the State, which sets forth the procedures and obligations of the Purchaser in exchange for the right to remove forest products from the sale area. The Bill of Sale and Contract for Forest Products may include a Road Plan for any road construction or reconstruction, where applicable.

Contract Administrator: Region Manager's designee responsible for assuring that the contractual obligations of the Purchaser are met.

Forest Product: Any material derived from the forest for commercial use.

Purchaser: The company or individual that has entered into a Bill of Sale and Contract for Forest Products with the State for the right to harvest and remove forest products from the timber sale area.

Road Construction: Includes building new and maintaining existing forest roads and associated work that may be optional or required as described in the Road Plan.

State: The Washington State Department of Natural Resources, landowner and seller of Forest Products from the timber sale area. The State is represented by the Region Manager as designated on the contract signature page. Contractual obligations to the State are enforced by the Region Manager or the designated Contract Administrator.

Subcontractor: Individual or company employed by the Purchaser to perform a portion or all of the services required by The Bill of Sale and Contract for Forest Products. The Purchaser is responsible for independently negotiating, procuring and paying for all subcontracted services rendered.

G-011 Right to Remove Forest Products and Contract Area

Purchaser was the successful bidder on January 30, 2025 and the sale was confirmed on _____. The State, as owner, agrees to sell to Purchaser, and Purchaser agrees to purchase as much of the following forest products as can be cut and removed during the term of this contract: All timber, except leave trees bound by yellow "Leave Tree Area" tags, leave trees marked with blue paint, all down timber existing 5 years prior to the day of sale, all timber 60 inches DBH and greater and snags bound by the following:

Unit 1, pink flagging, white "Timber Sale Boundary Tags" with pink flagging, pink flagging, timber type change, the S-8050, S-8054 and the S-8054A road;

Unit 2, white "Timber Sale Boundary" tags with pink flagging and the S-8054 road;

Unit 3, white "Timber Sale Boundary" tags with pink flagging, pink flag line and timber type change;

Unit 4 and 5 ROW, orange "Right of Way" tags;

All forest products described above located on approximately 140 acres on part(s) of Sections 35, and 36 all in Township 6 North, Range 4 East W.M. in Clark County(s) as designated on the sale area and as shown on the attached timber sale map.

All forest products described above from the bole of the tree that meet or exceed 2 inches diameter inside bark on the small end are eligible for removal. Above ground components of a tree that remain as by-products after the manufacture of logs, including but not limited to tree tops, branches, limbs, needles, leaves, stumps, are not eligible for removal under the terms of this contract.

Forest products purchased under a contract that is designated as export restricted shall not be exported until processed. Forest products purchased under a contract that is designated as exportable may be exported prior to processing.

G-020 Inspection By Purchaser

Purchaser hereby warrants to the State that they have had an opportunity to fully inspect the sale area and the forest products being sold. Purchaser further warrants to the State that they enter this contract based solely upon their own judgment of the value of the forest products, formed after their own examination and inspection of both the timber sale area and the forest products being sold. Purchaser also warrants to the State that they enter this contract without any reliance upon the volume estimates, acreage estimates, appraisals, pre-bid documentation, or any other representations by the State Department of Natural Resources.

G-031 Contract Term

Purchaser shall complete all work required by this contract prior to October 31, 2026.

G-040 Contract Term Adjustment - No Payment

Purchaser may request an adjustment in the contract term. A claim must be submitted in writing and received by the State within 30 days after the start of interruption or delay. The claim must also indicate the actual or anticipated length of interruption or delay. The State may grant an adjustment without charge only if the cause for contract term adjustment is beyond Purchaser's control. The cause must be one of the following and the adjustment may be granted only if operations or planned operations under this contract are actually interrupted or delayed:

- a. Road and bridge failures which deny access.
- b. Access road closures imposed by road owner.
- c. Excessive suspensions as provided in clause G-220.
- d. Regulatory actions not arising from Purchaser's failure to comply with this contract which will prevent timber harvest for a period less than 6 months.

G-051 Contract Term Extension - Payment

Extensions of this contract term may be granted only if, in the judgment of the State, Purchaser is acting in good faith and is endeavoring to remove the forest products conveyed. The term of this contract may be extended for a reasonable time by the State if all of the following conditions are satisfied:

- a. A written request for extension of the contract term must be received prior to the expiration date of the contract.
- b. Completion of all required roads and compliance with all contract and regulatory requirements.
- c. For the first extension, not to exceed 1 year, payment of at least 25 percent of the total contract price.

For the second extension, not to exceed 1 year, payment of at least 90 percent of the total contract price.

The payments shall not include the initial deposit which shall be held according to the provisions of RCW 79.15.100.

- d. Payment of an amount based on 12 percent interest per annum on the unpaid portion of the total contract price.

All payments, except the initial deposit, will be deducted from the total contract price to determine the unpaid portion of the contract.

- e. Payment of \$1,035.00 per acre per annum for the acres on which an operating release has not been issued .
- f. In no event will the extension charge be less than \$200.00.
- g. Extension payments are non-refundable.

G-053 Surveys - Sensitive, Threatened, Endangered Species

Whenever the State determines that a survey for sensitive, threatened, or endangered species is prudent, or when Purchaser determines a survey is prudent and the State agrees, Purchaser shall perform such surveys at Purchaser's expense and to the standards required by the State. The survey information shall be supplied to the State.

G-060 Exclusion of Warranties

The PARTIES AGREE that the IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE and ALL OTHER WARRANTIES EXPRESSED OR IMPLIED ARE EXCLUDED from this transaction and shall not apply to the goods sold. For example, THE FOLLOWING SPECIFIC MATTERS ARE NOT WARRANTED, and are EXCLUDED from this transaction:

- a. The MERCHANTABILITY of the forest products. The use of the term "merchantable" in any document is not intended to vary the foregoing.
- b. The CONDITION of the forest products. The forest products will be conveyed "AS IS."
- c. The ACREAGE contained within any sale area. Any acreage descriptions appearing in the timber notice of sale, timber sale contract, or other documents are estimates only, provided solely for administrative and identification purposes.
- d. The VOLUME, QUALITY, OR GRADE of the forest products. The State neither warrants nor limits the amount of timber to be harvested. The descriptions of the forest products to be conveyed are estimates only, made solely for administrative and identification purposes.

- e. The CORRECTNESS OF ANY SOIL OR SURFACE CONDITIONS, PRE-SALE CONSTRUCTION APPRAISALS, INVESTIGATIONS, AND ALL OTHER PRE-BID DOCUMENTS PREPARED BY OR FOR THE STATE. These documents have been prepared for the State's appraisal purposes only.
- f. THAT THE SALE AREA IS FREE FROM THREATENED OR ENDANGERED SPECIES or their habitat. The State is not responsible for any interference with forestry operations that result from the presence of any threatened or endangered species, or the presence of their habitat, within the sale area.
- g. THAT THE FORESTRY OPERATIONS to be performed under this contract WILL BE FREE FROM REGULATORY ACTIONS by governmental agencies. The State is not responsible for actions to enforce regulatory laws, such as the Washington Forest Practices Act (chapter 76.09 RCW), taken by the Department of Natural Resources or any other agency that may affect the operability of this timber sale.
- h. Items contained in any other documents prepared for or by the State.

G-061 Inadvertent Discovery of Cultural Resources

Purchaser acknowledges that cultural resources as defined in WAC 222-16-010 may exist within the timber sale area and that the existence and location of such resources may be unknown at the time this contract is executed. Purchaser has a duty to exercise due care in its operations and in the event any human skeletal remains are discovered by the Purchaser or the State during the course of operations Purchaser shall immediately halt operations and notify local law enforcement in the most expeditious manner possible then notifying the Contract Administrator. In the event cultural resources are discovered by the Purchaser or the State during the course of operations Purchaser shall immediately halt operations and notify the Contract Administrator. Any potential resources shall not be removed or disturbed. Purchaser shall resume operations as directed in writing by the Contract Administrator.

G-062 Habitat Conservation Plan

The State has entered into a Habitat Conservation Plan (HCP) with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service (the Services) to address state trust land management issues relating to compliance with the Federal Endangered Species Act. The activities to be carried out under this contract are located within the State's HCP area and are subject to the terms and conditions of the HCP, and the Services' Incidental Take Permit Nos. TE812521-1 and 1168 (collectively referred to as ITP), or as amended hereafter by the Services. The ITP authorizes the incidental take of certain federally listed threatened and endangered species, as specified in the ITP conditions. All HCP materials, including the ITP, are available for review at the State's Regional Offices and the administrative headquarters in Olympia, Washington.

By signing this contract, Purchaser agrees to comply with the terms and conditions of the ITP, and the HCP, which shall become terms of this contract. The State agrees to authorize the lawful activities of the Purchaser carried out pursuant to this contract, PROVIDED the Purchaser remains in compliance with the terms and conditions of both the HCP and ITP. The requirements set forth in this contract are intended to comply with the terms and conditions of the HCP and ITP. Accordingly, non-compliance with the terms and conditions of the HCP and ITP will render the authorization provided in this paragraph void, be deemed a breach of the contract and may subject Purchaser to liability for violation of the Endangered Species Act.

Any modifications to the contract shall be proposed in writing by Purchaser, shall continue to meet the terms and conditions of the HCP and ITP, and shall require the prior written approval of the Region Manager before taking effect.

G-063 Incidental Take Permit Notification Requirements

- a. Purchaser shall immediately notify the Contract Administrator of new locations of permit species covered by the Incidental Take Permits (ITP) that are discovered within the area covered by the State's Habitat Conservation Plan (HCP), including, but not limited to: locations of occupied murrelet habitat; spotted owl nest sites; wolves; grizzly bears; nests, communal roosts, or feeding concentrations of bald eagles; peregrine falcon nests; Columbian white-tailed deer; Aleutian Canada geese; Oregon silverspot butterflies; and additional stream reaches found to contain bull trout. Purchaser is required to notify the Contract Administrator upon discovery of any fish species found in streams or bodies of water classified as non-fish bearing. In all circumstances, notification must occur within a 24 hour time period.
- b. Upon locating any live, dead, injured, or sick specimens of any permit species covered by the ITP, Purchaser shall immediately notify the Contract Administrator. Purchaser shall notify the Contract Administrator if there is any doubt as to the identification of a discovered permit species. Purchaser may be required to take certain actions to help the Contract Administrator safeguard the well-being of any live, injured or sick specimens of any permit species discovered, until the proper disposition of such specimens can be determined by the Contract Administrator. Any such requirements will be explained to Purchaser by the Contract Administrator during the Pre-Work Conference. In all circumstances, notification must occur within a 24 hour time period.
- c. Purchaser shall refer to a specific ITP number, ITP TE812521-1 or ITP 1168 (copies which are located in the region office) in all correspondence and reports concerning permit activities.
- d. Provisions and requirements of the ITP shall be clearly presented and explained to Purchaser by Contract Administrator during the Pre-Work Conference as per contract clause G-330. All applicable provisions of the ITP and this schedule must be presented and clearly explained by Purchaser to all

authorized officers, employees, contractors, or agents of Purchaser conducting authorized activities in the timber sale area. Any questions Purchaser may have about the ITP should be directed to the Contract Administrator.

G-064 Permits

Purchaser is responsible for obtaining any permits not already obtained by the State that relate to Purchaser's operation. Forest Practice Application / Hydraulic Project Approval permits obtained by the State shall be transferred to Purchaser. Purchaser is responsible for all permits, amendments and renewals.

G-065 Regulatory Disclaimer

The State disclaims any responsibility for, or liability relating to, regulatory actions by any government agency, including actions pursuant to the Forest Practices Act, Ch. 76.09 RCW that may affect the operability of the timber sale.

G-066 Governmental Regulatory Actions

a. Risk

Purchaser shall be responsible for any increased operational costs arising from any applicable foreign or domestic governmental regulation or order that does not cause contract performance to become commercially impracticable or that does not substantially frustrate the purpose of the contract. If impracticability or frustration results from Purchaser's failure to comply with this contract, Purchaser shall remain responsible for payment of the total contract price notwithstanding the impracticability or frustration.

b. Sale Area

When portions of the sale area become subject to a foreign or domestic governmental regulation or order that will likely prevent timber harvest for a period that will exceed the expiration date of this contract, and Purchaser has complied with this contract, the following shall apply:

i. RCW 79.15.140 shall govern all adjustments to the contract area.

c. Adjustment of Price

The State shall adjust the total contract price by subtracting from the total contract price an amount determined in the following manner: The State shall cause the timber sale area subject to governmental regulation or order to be measured. The State shall calculate the percentage of the total sale area subject to the governmental regulation or order. The State shall reduce the total contract price by that calculated percentage. However, variations in species, value, costs, or other items pertaining to the affected sale area will be analyzed and included in the adjustment if deemed appropriate by the State. The State will further reduce the total contract price by the reasonable cost of unamortized roads Purchaser constructed but was unable to fully use for

removing timber. A reduction in total contract price terminates all of the Purchaser's rights to purchase and remove the timber and all other interest in the affected sale area.

G-070 Limitation on Damage

In the event of a breach of any provision of this contract by the State, the exclusive remedy available to Purchaser will be limited to a return of the initial deposit, unapplied payments, and credit for unamortized improvements made by Purchaser. The State shall not be liable for any damages, whether direct, incidental or consequential.

G-080 Scope of State Advice

No advice by any agent, employee, or representative of the State regarding the method or manner of performing shall constitute a representation or warranty that said method, manner or result thereof will conform to the contract or be suitable for Purchaser's purposes under the contract. Purchaser's reliance on any State advice regarding the method or manner of performance shall not relieve Purchaser of any risk or obligation under the contract. Purchaser retains the final responsibility for its operations under this contract and State shall not be liable for any injuries resulting from Purchaser's reliance on any State advice regarding the method or manner of performance.

G-091 Sale Area Adjustment

The Parties may agree to adjustments in the sale area boundary. The cumulative changes to the sale area during the term of the contract shall not exceed more than four percent of the original sale area. If the sale area is increased, the added forest products become a part of this contract. The State shall determine the volume added and shall calculate the increase to the total contract price using the rates set forth in clause G-101, G-102, or G-103. If the sale area is reduced, the State shall determine the volume to be reduced. The State shall calculate the reduction to the total contract price using the rates set forth in clause G-101, G-102, or G-103.

G-101 Forest Products Not Designated

Any forest products not designated for removal, which must be removed in the course of operations authorized by the State, shall be approved and designated by the Contract Administrator. Added forest products become a part of this contract and the Scribner log scale volume, as defined by the Northwest Log Rules Advisory Group, shall be determined by the Contract Administrator. Added forest products shall be paid for at the following contract payment rates per Mbf Scribner log scale.

The pricing schedule has not been set for the sale.

G-106 Adding Naturally Damaged Forest Products

Any forest products not designated for removal that are seriously damaged by disease, insects or wind, or that may contribute seriously to the spread of insect or disease damage may be added to this sale by the State's Contract Administrator. Additions must be in unlogged areas of the sale and added volume shall not exceed an amount equal to 10 percent of the original advertised volume. Added forest products become a

part of this contract and shall be paid for at the rate set forth in clause G-101, G-102 or G-103.

G-111 Title and Risk of Loss

Title to the forest products under this contract passes to the Purchaser after they are removed from the sale area, if adequate advance payment or payment security has been provided to the State under this contract. Purchaser bears all risk of loss of, or damage to, and has an insurable interest in, the forest products described in this contract from the time the sale is confirmed under RCW 79.15.120. Breach of this contract shall have no effect on this provision.

G-116 Sustainable Forestry Initiative® (SFI®) Certification

Forest products purchased under this contract are certified as being in conformance with the Sustainable Forestry Initiative 2022 Forest Management Standard under certificate number: BVC-SFIFM-018227.

Purchaser shall have at least one person regularly on-site during active operations that have completed training according to the requirements outlined within the SFI Standard. Purchaser shall designate in writing the name(s) of the individual(s) who will be on-site and provide proof of their successful completion of an approved training program prior to active operations.

G-120 Responsibility for Work

All work, equipment, and materials necessary to perform this contract shall be the responsibility of Purchaser. Any damage to improvements, except as provided in clause G-121 or unless the State issues an operating release pursuant to clause G-280, shall be repaired promptly to the satisfaction of the State and at Purchaser's expense.

G-121 Exceptions

Exceptions to Purchaser's responsibility in clause G-120 shall be limited exclusively to the following. These exceptions shall not apply where road damage occurs due to Purchaser's failure to take reasonable precautions or to exercise sound forest engineering and construction practices.

The State will bear the cost to repair damages caused by a third party. In all other cases, the Purchaser shall bear responsibility for the costs as described below.

Road is defined as the road bed, including but not limited to its component parts, such as cut and fill slopes, subgrade, ditches, culverts, bridges, and cattle guards.

For the purposes of this clause, damage will be identified by the State and is defined as:

1. Failure of (a) required improvements or roads designated in clause C-050, or (b) required or optional construction completed to the point that authorization to haul has been issued;

2. Caused by a single event from forces beyond the control of Purchaser, its employees, agents, or invitees, including independent contractors; and
3. Includes, but is not limited to natural disasters such as earthquakes, volcanic eruptions, landslides, and floods.

The repair work identified by the State shall be promptly completed by Purchaser at an agreed price. The State may elect to accomplish repairs by means of State-provided resources.

For each event, Purchaser shall be solely responsible for the initial \$5,000 in repairs. For repairs in excess of \$5,000, the parties shall share equally the portion of costs between \$5,000 and \$15,000. The State shall be solely responsible for the portion of the cost of repairs that exceed \$15,000.

Nothing contained in clauses G-120 and G-121 shall be construed as relieving Purchaser of responsibility for, or damage resulting from, Purchaser's operations or negligence, nor shall Purchaser be relieved from full responsibility for making good any defective work or materials. Authorization to haul does not warrant that Purchaser built roads are free from material defect and the State may require additional work, at Purchasers expense regardless of cost, to remedy deficiencies at any time.

G-140 Indemnity

To the fullest extent permitted by law, Purchaser shall indemnify, defend and hold harmless State, agencies of State and all officials, agents and employees of State, from and against all claims arising out of or resulting from the performance of the contract. "Claim" as used in this contract means any financial loss, claim, suit, action, damage, or expense, including but not limited to attorneys' fees, attributable for bodily injury, sickness, disease or death, or injury to or destruction of tangible property including loss of use resulting therefrom. Purchasers' obligations to indemnify, defend, and hold harmless includes any claim by Purchasers' agents, employees, representatives, or any subcontractor or its employees. Purchaser expressly agrees to indemnify, defend, and hold harmless State for any claim arising out of or incident to Purchasers' or any subcontractors' performance or failure to perform the contract. Purchasers' obligation to indemnify, defend, and hold harmless State shall not be eliminated or reduced by any actual or alleged concurrent negligence of State or its agents, agencies, employees and officials. Purchaser waives its immunity under Title 51 RCW to the extent it is required to indemnify, defend and hold harmless State and its agencies, officials, agents or employees.

G-150 Insurance

Purchaser shall, at its cost and expense, buy and maintain insurance of the types and amounts listed below. Failure to buy and maintain the required insurance may result in a breach and/or termination of the contract at State's option. State may suspend Purchaser operations until required insurance has been secured.

All insurance and surety bonds should be issued by companies admitted to do business within the State of Washington and have a rating of A-, Class VII or better in the most recently published edition of Best's Reports. If an insurer is not admitted, all insurance policies and procedures for issuing the insurance policies must comply with Chapter 48.15 RCW and 284-15 WAC.

The State of Washington, Department of Natural Resources region office of sale origin shall be provided written notice before cancellation or non-renewal of any insurance referred to therein, in accord with the following specifications:

1. Insurers subject to Chapter 48.18 RCW (admitted and regulated by the Insurance Commissioner): The insurer shall give the State 45 days advance notice of cancellation or non-renewal. If cancellation is due to non-payment of premium, the State shall be given 10 days advance notice of cancellation.
2. Insurers subject to Chapter 48.15 RCW (surplus lines): The State shall be given 20 days advance notice of cancellation. If cancellation is due to non-payment of premium, the State shall be given 10 days advance notice of cancellation.

Before starting work, Purchaser shall furnish State of Washington, Department of Natural Resources with a certificate(s) of insurance, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements specified in the contract. Insurance coverage shall be obtained by the Purchaser prior to operations commencing and continually maintained in full force until all contract obligations have been satisfied or an operating release has been signed by the State.

Purchaser shall include all subcontractors as insured under all required insurance policies, or shall furnish separate certificates of insurance and endorsements for each subcontractor. Subcontractor(s) must comply fully with all insurance requirements stated herein. Failure of subcontractor(s) to comply with insurance requirements does not limit Purchaser's liability or responsibility.

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

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

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

The limits of insurance, which may be increased as deemed necessary by State of Washington, Department of Natural Resources, shall not be less than as follows:

Commercial General Liability (CGL) Insurance. Purchaser shall maintain general liability (CGL) insurance, and, if necessary, commercial umbrella insurance with a limit of not less than \$1,000,000.00 per each occurrence. If such CGL insurance contains aggregate limits, the General Aggregate limit shall be at least twice the "each occurrence" limit. CGL insurance shall have products-completed operations aggregate limit of at least two times the "each occurrence" limit. CGL coverage shall include a Logging and Lumbering Endorsement (i.e. Logger's Broad-Form) to cover the events that include, but are not limited to, fire suppression expenses, accidental timber trespasses, and wildfire property damage with limits of not less than \$2,000,000.00 each occurrence.

CGL insurance shall be written on Insurance Services Office (ISO) occurrence form CG 00 01 (or a substitute form providing equivalent coverage). All insurance shall cover liability arising out of premises, operations, independent contractors, products completed operations, personal injury and advertising injury, and liability assumed under an insured contract (including the tort liability of another party assumed in a business contract), and contain separation of insured (cross liability) condition.

Employer's Liability "Stop Gap" Insurance. Purchaser shall buy employers liability insurance, and, if necessary, commercial umbrella liability insurance with limits not less than \$1,000,000.00 each accident for bodily injury by accident or \$1,000,000.00 each employee for bodily injury by disease.

Workers' Compensation Coverage. Purchaser shall comply with all State of Washington workers' compensation statutes and regulations. Workers' compensation coverage shall be provided for all employees of Purchaser and employees of any subcontractor or sub-subcontractor. Coverage shall include bodily injury (including death) by accident or disease, which exists out of or in connection with the performance of this contract. Except as prohibited by law, Purchaser waives all rights of subrogation against State for recovery of damages to the extent they are covered by workers' compensation, employer's liability, commercial general liability, or commercial umbrella liability insurance.

If Purchaser, subcontractor or sub-subcontractor fails to comply with all State of Washington workers' compensation statutes and regulations and State incurs fines or is required by law to provide benefits to or obtain coverage for such employees, Purchaser shall indemnify State. Indemnity shall include all fines, payment of benefits to Purchaser or subcontractor employees, or their heirs or legal representatives, and the cost of effecting coverage on behalf of such employees.

Business Auto Policy (BAP). Purchaser shall maintain business auto liability and, if necessary, commercial umbrella liability insurance with a limit not less than \$1,000,000.00 per accident. Such insurance shall cover liability arising out of "Any

Auto". Business auto coverage shall be written on ISO form CA 00 01, or substitute liability form providing equivalent coverage. If necessary the policy shall be endorsed to provide contractual liability coverage and cover a "covered pollution cost or expense" as provided in the 1990 or later editions of CA 00 01. Purchaser waives all rights against State for the recovery of damages to the extent they are covered by business auto liability or commercial umbrella liability insurance.

G-160 Agents

The State's rights and duties will be exercised by the Region Manager at Castle Rock, Washington. The Region Manager will notify Purchaser in writing who is responsible for administering the contract. The Region Manager has sole authority to waive, modify, or amend the terms of this contract in the manner prescribed in clause G-180. No agent, employee, or representative of the State has any authority to bind the State to any affirmation, representation, or warranty concerning the forest products conveyed beyond the terms of this contract.

Purchaser is required to have a person on site during all operations who is authorized to receive instructions and notices from the State. Purchaser shall inform the State in writing who is authorized to receive instructions and notices from the State, and any limits to this person's authority.

G-170 Assignment and Delegation

No rights or interest in this contract shall be assigned by Purchaser without prior written permission of the State. Any attempted assignment shall be void and ineffective for all purposes unless made in conformity with this paragraph. Purchaser may perform any duty through a delegate, but Purchaser is not thereby relieved of any duty to perform or any liability. Any assignee or delegate shall be bound by the terms of the contract in the same manner as Purchaser.

G-180 Modifications

Waivers, modifications, or amendments of the terms of this contract must be in writing signed by Purchaser and the State.

G-190 Contract Complete

This contract is the final expression of the Parties' agreement. There are no understandings, agreements, or representations, expressed or implied, which are not specified in this contract.

G-200 Notice

Notices required to be given under the following clauses shall be in writing and shall be delivered to Purchaser's authorized agent or sent by certified mail to Purchaser's address of record:

G-210 Violation of Contract

G-220 State Suspends Operations

All other notices required to be given under this contract shall be in writing and delivered to the authorized agent or mailed to the Party's post office address. Purchaser agrees to notify the State of any change of address.

G-210 Violation of Contract

- a. If Purchaser violates any provision of this contract, the Contract Administrator, by written notice, may suspend those operations in violation. If the violation is capable of being remedied, Purchaser has 30 days after receipt of a suspension notice to remedy the violation. If the violation cannot be remedied (such as a violation of WAC 240-15-015) or Purchaser fails to remedy the violation within 30 days after receipt of a suspension notice, the State may terminate the rights of Purchaser under this contract and collect damages.
- b. If the contract expires pursuant to clause G-030 or G-031 without Purchaser having performed all its duties under this contract, Purchaser's right to operate is terminated and Purchaser shall not have the right to remedy the breach. This provision shall not relieve Purchaser of any payment obligations.
- c. The State has the right to remedy the breach in the absence of any indicated attempt by Purchaser or if Purchaser is unable, as determined by the State, to remedy the breach. Any expense incurred by the State shall be charged to Purchaser and shall be paid within 30 days of receipt of billing.
- d. If Purchaser's violation is a result of a failure to make a payment when due, in addition to a. and b. above, interest shall accrue on the unpaid balance at 12 percent per annum, beginning the date payment was due.

G-220 State Suspends Operations

The Contract Administrator may suspend any operation of Purchaser under this contract when the State is suffering, or there is a reasonable expectation the State will suffer environmental, monetary, or other damage if the operation is allowed to continue.

Purchaser shall be in breach of this contract if the operation continues after the suspension notice or if the operation resumes without prior approval and notice from the Contract Administrator.

Purchaser may request a modification of a suspension within 30 days of the start of suspension through the dispute resolution process in clause G-240. If this process results in a finding that the suspension exceeded the time reasonably necessary to stop or prevent damage to the State, Purchaser is entitled to request a contract term adjustment under clause G-040.

If it reasonably appears that the damage that the State is suffering, or can reasonably be expected to suffer if the operation is allowed to continue, will prevent harvest for a period that will exceed 6 months, and Purchaser has complied with this contract, the

provisions of clause G-066 shall govern just as if the harvest was prevented by an applicable foreign or domestic governmental regulation or order.

G-230 Unauthorized Activity

Any cutting, removal, or damage of forest products by Purchaser, its employees, agents, or invitees, including independent contractors, in a manner inconsistent with the terms of this contract or State law, is unauthorized. Such activity may subject Purchaser to liability for triple the value of said forest products under RCW 79.02.320 or RCW 79.02.300 and may result in prosecution under RCW 79.02.330 or other applicable statutes.

G-240 Dispute Resolution

The following procedures apply in the event of a dispute regarding interpretation or administration of this contract and the parties agree that these procedures must be followed before a lawsuit can be initiated.

- a. In the event of a dispute, Purchaser must make a written request to the Region Manager for resolution prior to seeking other relief.
- b. The Region Manager will issue a written decision on Purchaser's request within ten business days.
- c. Within ten business days of receipt of the Region Manager's decision, Purchaser may make a written request for resolution to the Deputy Supervisor - Uplands of the Department of Natural Resources.
- d. Unless otherwise agreed, a conference will be held by the Deputy Supervisor - Uplands within 30 calendar days of the receipt of Purchaser's request for review of the Region Manager's written decision. Purchaser and the Region Manager will have an opportunity to present their positions. The Deputy Supervisor - Uplands will issue a decision within a reasonable time of being presented with both Parties' positions.

G-250 Compliance with All Laws

Purchaser shall comply with all applicable statutes, regulations and laws, including, but not limited to; chapter 27.53 RCW, chapter 68.50 RCW, WAC 240-15 and WAC 296-54. Failure to comply may result in forfeiture of this contract.

G-260 Venue

This contract shall be governed by the laws of the State of Washington. In the event of a lawsuit involving this contract, venue shall be proper only in Thurston County Superior Court.

G-270 Equipment Left on State Land

All equipment owned or in the possession of Purchaser, its employees, agents, or invitees, including independent contractors, shall be removed from the sale area and other State land by the termination date of this contract. Equipment remaining

unclaimed on State land 60 days after the expiration of the contract period is subject to disposition as provided by law. Purchaser shall pay to the State all costs of moving, storing, and disposing of such equipment. The State shall not be responsible for any damages to or loss of the equipment or damage caused by the moving, storing or disposal of the equipment.

G-280 Operating Release

An operating release is a written document, signed by the State and Purchaser, indicating that Purchaser has been relieved of certain rights or responsibilities with regard to the entire or a portion of the timber sales contract. Purchaser and State may agree to an operating release for this sale, or portion of this sale, prior to the contract expiration, when all contract requirements pertaining to the release area have been satisfactorily completed. Upon issuance of a release, Purchaser's right to cut and remove forest products on the released area will terminate.

G-310 Road Use Authorization

Purchaser is authorized to use the following State roads and roads for which the State has acquired easements and road use permits; S-1000 (0+00 to 105+48), S-1000B, S-1000B1, S-1010, S-1011, S-8050 (0+00 to 19+16), S-8054 (0+00 to 58+48), S-8054A, S-8054A1, S-8054B, USFS-54, and Rashford Spur roads. The State may authorize in writing the use of other roads subject to fees, restrictions, and prior rights.

G-330 Pre-work Conference

Purchaser shall arrange with the Contract Administrator to review this contract and to examine the sale area before beginning any operations. A plan of operations shall be developed and agreed upon by the Contract Administrator and Purchaser before beginning any operations. To the extent that the plan of operations is inconsistent with the contract, the terms of the contract shall prevail. State's acceptance and approval of Purchaser's plan of operations shall not be construed as any statement or warranty that the plan of operations is adequate for Purchaser's purposes or complies with applicable laws.

G-340 Preservation of Markers

Any legal land subdivision survey corners and witness objects are to be preserved. If such are destroyed or disturbed, the Purchaser shall, at the Purchaser's own expense, re-establish them through a licensed land surveyor in accordance with U.S. General Land Office standards. Corners and/or witness objects that must be disturbed or destroyed in the process of road construction or logging shall be adequately referenced and/or replaced in accordance with RCW 58.24.040(8). Such references must be approved by the Contract Administrator prior to removal of said corners and/or witness objects.

G-360 Road Use Reservation

The State shall have the right to use, without charge, all existing roads and any road constructed or reconstructed on State lands by Purchaser under this contract. The State may extend such rights to others. If the State grants such rights to others, the State shall require performance or payment, as directed by the State, for their proportionate share of maintenance based on their use.

G-370 Blocking Roads

Purchaser shall not block the S-1000, S-1010, S-8050, S-8054 and Rashford Spur roads, unless authority is granted in writing by the Contract Administrator.

G-380 Road Easement and Road Use Permit Requirements

Purchaser agrees to comply with the terms and conditions of the attached:

Easement #55-000043 between United States Forest Service and State dated 1/31/1967.

Easement #55-A02167 between Weyerhaeuser and State dated 1/2/1986.

G-396 Public Hauling Permit

The hauling of forest products, rock or equipment may require a state, county, or city hauling permit. Purchaser is responsible for obtaining any necessary permit and any costs associated with extra maintenance or repair levied by the permitting agency. Purchaser must provide the Contract Administrator with a copy of the executed permit.

G-430 Open Fires

Purchaser shall not set, or allow to be set by Purchaser's employees, agents, invitees and independent contractors, any open fire at any time of the year without first obtaining permission, in writing, from the Contract Administrator.

G-450 Encumbrances

This contract and Purchaser's activities are subject to the following:

Lease, including the terms and provisions thereof,

For: Minor Forest Products

In Favor of: DNR – Pacific Cascade Region

Disclosed by Application No.: 35-RP0007

Granted: 4/12/1995

Expires: Indefinite

Resource, including the terms and provisions thereof,

For: Genetically Selected Trees

In Favor of: DNR – Webster Nursery

Disclosed by Application No.: 91-011011

Granted: 12/1/1975

Expires: 12/31/2050

Special Notations: Located within the Siouxon Creek – Canyon Creek Road Construction and Use Agreement Area (92-084244).

Section P: Payments and Securities

P-011 Initial Deposit

Purchaser paid DATA MISSING initial deposit, which will be maintained pursuant to RCW 79.15.100(3). If the operating authority on this contract expires without

Purchaser's payment of the full amount specified in Clause P-020, the initial deposit will be immediately forfeited to the State, and will be offset against Purchaser's remaining balance due. Any excess initial deposit funds not needed to ensure full payment of the contract price, or not needed to complete any remaining obligations of the Purchaser existing after contract expiration, will be refunded to the Purchaser.

P-020 Payment for Forest Products

Purchaser agrees to pay the total, lump sum contract price of \$224,146.00. The total contract price consists of a \$0.00 contract bid price plus \$224,146.00 in fees. Fees collected shall be retained by the state unless the contract is adjusted via the G-066 clause. Purchaser shall be liable for the entire purchase price, and will not be entitled to any refunds or offsets unless expressly stated in this contract.

THE PURCHASE PRICE SHALL NOT BE AFFECTED BY ANY FACTORS, INCLUDING: the amount of forest products actually present within the contract area, the actual acreage covered by the contract area, the amount or volume of forest products actually cut or removed by purchaser, whether it becomes physically impossible or uneconomic to remove the forest products, and whether the subject forest products have been lost or damaged by fire or any other cause. The only situations Purchaser may not be liable for the full purchase price are governed by clause G-066, concerning governmental regulatory actions taken during the term of the contract.

P-045 Guarantee of Payment

Purchaser will pay for forest products prior to cutting or will guarantee payment by posting an approved payment security. The amount of cash or payment security shall be determined by the State and shall equal or exceed the value of the cutting proposed by Purchaser.

P-050 Billing Procedure

The State will compute and forward to Purchaser statements of charges provided for in the contract. Purchaser shall deliver payment to the State on or before the date shown on the billing statement.

P-080 Payment Account Refund

Advance payments made under P-045 or P-045.2 remaining on account above the value for the charges shall be returned to Purchaser within 30 days following the final report of charges. Refunds not made within the 30 day period will accrue interest at the interest rate, as established by WAC 332-100-030, computed on a daily basis until paid.

P-090 Performance Security

Purchaser agrees to furnish, within 30 days of the confirmation date, security acceptable to the State in the amount of \$100,000.00. The Security provided shall guarantee performance of all provisions of this contract and payment of any damages caused by operations under this contract or resulting from Purchaser's noncompliance with any rule or law. Acceptable performance security may be in the form of a performance bond, irrevocable letter of credit, cash, savings or certificate of deposit account assignments, and must name the State as the obligee or beneficiary. A letter of

credit must comply with Title 62A RCW, Article 5. Performance security must remain in full force over the duration of the contract length. Surety bonds issued shall conform to the issuance and rating requirements in clause G-150. The State shall retain the performance security pursuant to RCW 79.15.100. Purchaser shall not operate unless the performance security has been accepted by the State. If at any time the State decides that the security document or amount has become unsatisfactory, Purchaser agrees to suspend operations and, within 30 days of notification, to replace the security with one acceptable to the State or to supplement the amount of the existing security.

P-100 Performance Security Reduction

The State may reduce the performance security after an operating release has been issued if the State determines that adequate security exists for any remaining obligations of Purchaser.

Section H: Harvesting Operations

H-010 Cutting and Yarding Schedule

Yarding will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

H-013 Reserve Tree Damage Definition

Reserve trees are trees required and designated for retention within the sale boundary. Purchaser shall protect reserve trees from being cut, damaged, or removed during operations.

Reserve tree damage exists when one or more of the following criteria occur as a result of Purchaser's operation, as determined by the Contract Administrator:

- a. A reserve tree has one or more scars on its trunk exposing the cambium layer, which in total exceeds 100 square inches.
- b. A reserve tree top is broken or the live crown ratio is reduced below 30 percent.
- c. A reserve tree has more than 1/3 of the circumference of its root system injured such that the cambium layer is exposed.

If the Contract Administrator determines that a reserve tree has been cut or damaged, the Purchaser shall provide a replacement reserve tree of like condition, size, and species within the sale unit containing the damaged leave tree, as approved by the Contract Administrator. Purchaser may be required to pay liquidated damages for Excessive Reserve Tree Damage as detailed in clause D-041.

Removal of designated reserve trees from the sale area is unauthorized, and may invoke the use of the G-230 'Unauthorized Activity' clause. Purchaser is required to leave all cut or damaged reserve trees on site.

H-015 Skid Trail Requirements

A skid trail is defined as an area that is used for more than three passes by any equipment.

Purchaser shall comply with the following during the yarding operation:

- a. Skid trails will not exceed 15 feet in width, including rub trees.
- b. Skid trails shall not cover more than 5 percent of the total acreage on one unit.
- c. Skid trail location will be pre-approved by the Contract Administrator.
- d. Except for rub trees, skid trails shall be felled and yarded prior to the felling of adjacent timber.
- e. Rub trees shall be left standing until all timber tributary to the skid trail has been removed.
- f. Excessive soil damage is not permitted. Excessive soil damage is described in clause H-017.
- g. Skid trails will be water barred at the time of completion of yarding, if required by the Contract Administrator.

Purchaser shall not deviate from the requirements set forth in this clause without prior written approval from the Contract Administrator.

H-017 Preventing Excessive Soil Disturbance

Operations may be suspended when soil rutting exceeds 12 inches as measured from the natural ground line. To reduce soil damage, the Contract Administrator may require water bars to be constructed, grass seed to be placed on exposed soils, or other mitigation measures. Suspended operations shall not resume unless approval to do so has been given, in writing, by the Contract Administrator.

H-035 Fall Trees Into Sale Area

Trees shall be felled into the sale area unless otherwise approved by the Contract Administrator.

H-040 Purchaser Harvest Plan

Purchaser shall, as part of the plan of operations, prepare an acceptable harvest plan for all units. The plan shall address the felling, bucking and yarding, which are part(s) of this contract. The harvest plan shall be approved by the Contract Administrator prior to beginning the harvest operation. Purchaser shall not deviate from the harvest plan without prior written approval by the Contract Administrator.

H-051 Branding and Painting

Purchaser shall provide a State of Washington registered log brand, acceptable to the State, unless the State agrees to furnish the brand. All purchased timber shall be branded in a manner that meets the requirements of WAC 240-15-030(2)(a)(i). All timber purchased under a contract designated as export restricted shall also be painted in a manner that meets the requirements of WAC 240-15-030(2)(a)(ii).

For pulp loads purchased under a contract designated as export restricted, Purchaser shall brand at least 3 logs with legible brands at one end. Also, 10 logs shall be painted at one end with durable red paint.

H-080 Snags Not to be Felled

Snags not required to be felled for safety reasons may be left standing. Snags felled for safety reasons shall not be removed and must remain where felled.

H-120 Harvesting Equipment

Forest products sold under this contract shall be harvested and removed using cable, cable-assist, shovel or tracked skidder. Ground based yarding equipment will not be permitted on sustained slopes over 45 percent; Self-Leveling ground based yarding equipment will not be permitted on sustained slopes over 55 percent; Cable assist operations will not be permitted on slopes over 75 percent. Authority to use other equipment or to operate outside the equipment specifications detailed above must be approved in writing by the State.

H-125 Log Suspension Requirements

Lead-end suspension is required for all yarding activities.

H-126 Tailholds on State Land

If Purchaser tailholds on State land, methods to minimize damage to live trees outside the sale area shall be employed and must be approved in writing by the Contract Administrator.

H-127 Tailholds on Private Land

If Purchaser chooses to tailhold on private property, Purchaser shall obtain permit(s) and assumes responsibility for all costs and damages associated with the permit(s). Purchaser must provide the State with a copy of the executed permit(s) or a letter from the landowner indicating that a satisfactory tailhold permit(s) has been consummated between Purchaser and the landowner.

H-130 Hauling Schedule

The hauling of forest products will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

H-140 Special Harvest Requirements

Purchaser shall accomplish the following during the harvest operations:

A. Active Haul Routes will be posted with CB channels by Purchaser.

B. Ground based yarding equipment shall only operate during dry soil conditions.

C. Shovels must be large enough to pick up one end of the largest log 35 feet from machine.

D. Areas of root rot identified by the fallers or the Contract Administrator shall be marked around the perimeter by high stumping or marking the top of the stump with an "X".

E. All trees 60 inches Diameter at Breast Height (DBH) and greater shall not be felled unless for safety reasons. If trees 60 inches DBH or greater needs to be felled for safety reasons, Contract Administrator will need to approve in writing and trees will be left where felled.

F. Long butts remaining on the sale must be dispersed as directed by the Contract Administrator.

Permission to do otherwise must be granted in writing by the Contract Administrator.

H-141 Additional Harvest Requirements

Purchaser shall accomplish the following during the harvest operations:

A. No yarding will be permitted through or over areas identified to be potentially unstable on the FPA Slope Stability Form and all maps.

B. Purchaser must obtain Overloaded Permit from US Forest Service to drive overloaded vehicles over USFS 54 Canyon Creek Bridge. Overloaded vehicles are considered to be anything over 80,000 pounds.

Permission to do otherwise must be granted in writing by the State.

H-190 Completion of Settings

Operations begun on any setting of the sale area shall be completed before any operation begins on subsequent settings unless authorized in writing by the Contract Administrator.

H-220 Protection of Residual or Adjacent Trees

Unless otherwise specified by this contract, the Contract Administrator shall identify damaged adjacent or leave trees that shall be paid for according to clause G-230.

Section C: Construction and Maintenance

C-040 Road Plan

Road construction and associated work provisions of the Road Plan for this sale, dated 12/20/2023 are hereby made a part of this contract.

C-050 Purchaser Road Maintenance and Repair

Purchaser shall perform work at their own expense on S-1000B, S-1000B1, S-1010, S-1011, S-8050 (0+00 to 19+16), S-8054, S-8054A, S-8054A1, and the S-8054B roads. All work shall be completed to the specifications detailed in the Road Plan.

C-060 Designated Road Maintainer

If required by the State, Purchaser shall perform maintenance and replacement work as directed by the Contract Administrator on all roads not listed in Clause C-050. Purchaser shall furnish a statement in a form satisfactory to the State showing the costs incurred while performing this work. Costs shall be based on the rates set forth in the equipment rate schedule on file at the Region office or Engineering Division in Olympia. The State shall reimburse Purchaser for said costs within 30 days of receipt and approval of the statement.

C-080 Landing Locations Approved Prior to Construction

Landings shall be marked by Purchaser and approved by the Contract Administrator prior to construction.

C-140 Water Bars

Purchaser shall, as directed by the Contract Administrator, construct water bars across haul roads, skid trails and fire trails as necessary to control soil erosion and water pollution.

Section S: Site Preparation and Protection**S-001 Emergency Response Plan**

An Emergency Response Plan (ERP) shall be provided to the Contract Administrator containing but not limited to, valid contact numbers and procedures for medical emergencies, fire, hazardous spills, forest practice violations and any unauthorized or unlawful activity on or in the vicinity of the sale area. The Contract Administrator and the State shall be promptly notified whenever an incident occurs requiring an emergency response.

The ERP must be presented for inspection at the prework meeting and kept readily available to all personnel, including subcontractors, on site during active operations.

S-010 Fire Hazardous Conditions

Purchaser acknowledges that operations under this Contract may increase the risk of fire. Purchaser shall conduct all operations under this agreement following the requirements of WAC 332-24-005 and WAC 332-24-405 and further agrees to use the highest degree of care to prevent uncontrolled fires from starting.

In the event of an uncontrolled fire, Purchaser agrees to provide equipment and personnel working at the site to safely and effectively engage in first response fire suppression activity.

Purchaser's failure to effectively engage in fire-safe operations is considered a breach and may result in suspension of operations.

S-030 Landing Debris Clean Up

Landing debris shall be disposed of in a manner approved in writing by the Contract Administrator.

S-035 Logging Debris Clean Up

Slash and debris created from harvest activities shall be treated in a manner approved in writing by the Contract Administrator.

S-040 Noxious Weed Control

Purchaser shall notify the Contract Administrator in advance of moving equipment onto State lands. Purchaser shall thoroughly clean all off road equipment prior to entry onto State land to remove contaminated soils and noxious weed seed. If equipment is moved from one DNR project area to another, the Contract Administrator reserves the right to require the cleaning of equipment. Equipment shall be cleaned at a location approved by the Contract Administrator.

S-050 Cessation of Operations for Low Humidity

When the humidity is 30 percent or lower on the sale area, all operations must cease unless authority to continue is granted by the State in writing.

S-060 Pump Truck or Pump Trailer

Purchaser shall provide a fully functional pump truck or pump trailer equipped to meet the specifications of WAC 332-24-005 and WAC 332-24-405 during the "closed season" or as extended by the State and shall provide trained personnel to operate this equipment on the sale area during all operating periods.

S-070 Water Supply

Purchaser shall provide, during the "closed season", a water supply with a minimum capacity of 500 gallons for rapid filling of pump trucks or trailers at a location designated by the Contract Administrator.

S-100 Stream Cleanout

Slash or debris which enters any typed stream as a result of operations under this contract and which is identified by the Contract Administrator shall be removed and deposited in a stable position. Removal of slash or debris shall be accomplished in a manner that avoids damage to the natural stream bed and bank vegetation.

S-110 Resource Protection

No ground-based equipment may operate within 30 feet of all streams and potentially unstable slopes unless authority is granted in writing by the Contract Administrator.

S-120 Stream Protection

No timber shall be felled into, across, or yarded through all streams.

S-130 Hazardous Materials

a. Hazardous Materials and Waste - Regulatory Compliance

Purchaser is responsible for understanding and complying with all applicable local, state, and federal hazardous material/waste laws and regulations for operations conducted under this contract. Such regulations pertain to, but may not be limited to, hazardous material storage, handling and transport, personnel protection, release notification and emergency response, cleanup, and waste disposal.

Purchaser shall be responsible for restoring the site in the event of a spill or other releases of hazardous material/waste during operations conducted under this contract.

b. Hazardous Materials Spill Prevention

All operations shall be conducted in a manner that avoids the release of hazardous materials, including petroleum products, into the environment (water, air or land).

c. Hazardous Materials Spill Containment, Control and Cleanup

If safe to do so, Purchaser shall take immediate action to contain and control all hazardous material spills. Purchaser shall ensure that enough quick response spill kits capable of absorbing 10 gallons of oil, coolant, solvent or contaminated water are available on site to quickly address potential spills from any piece of equipment at all times throughout active operations. If large quantities of bulk fuel/other hazardous materials are stored on site, Purchaser must be able to effectively control a container leak and contain & recover a hazmat spill equal to the largest single on site storage container volume. (HAZWOPER reg. 29CFR 1910.120 (j) (1) (vii)).

d. Hazardous Material Release Reporting

Releases of oil or hazardous materials to the environment must be reported according to the State Department of Ecology (ECY). It is the responsibility of the Purchaser to have all emergency contact information readily available and a means of remote communication for purposes of quick notification. In the event of a spill covered in part a., the Purchaser is responsible for immediately notifying all the following:

- Department of Emergency Management at 1-800-258-5990
- National Response Center at 1-800-424-8802
- Appropriate Department of Ecology (ECY) at 1-800-645-7911
- DNR Contract Administrator

S-131 Refuse Disposal

As required by RCW 70.93, All Purchaser generated refuse shall be removed from state lands for proper disposal prior to termination of this contract. No refuse shall be burned, buried or abandoned on state forest lands. All refuse shall be transported in a manner such that it is in compliance with RCW 70.93 and all loads or loose materials shall be covered/secured such that these waste materials are properly contained during transport.

Section D: Damages

D-013 Liquidated Damages or Failure to Perform

The following clauses provide for payments by Purchaser to the State for breaches of the terms of this contract other than failure to perform. These payments are agreed to as liquidated damages and not as penalties. They are reasonable estimates of anticipated harm to the State, which will be caused by Purchaser's breach. These liquidated damages provisions are agreed to by the State and Purchaser with the understanding of the difficulty of proving loss and the inconvenience or infeasibility of obtaining an adequate remedy. These liquidated damages provisions provide greater certainty for the Purchaser by allowing the Purchaser to better assess its responsibilities under the contract.

Clause P-020 governs Purchaser's liability in the event Purchaser fails to perform any of the contract requirements other than the below liquidated damage clauses without written approval by the State. Purchaser's failure to pay for all or part of the forest products sold in this contract prior to expiration of the contract term results in substantial injury to the State. Therefore, Purchaser agrees to pay the State the full lump sum contract price in P-020 in the event of failure to perform.

D-041 Reserve Tree Excessive Damage

When Purchaser's operations exceed the damage limits set forth in clause H-013, Reserve Tree Damage Definition, and when the Contract Administrator determines that a suitable replacement for a damaged reserve tree is not possible, the damaged trees result in substantial injury to the State. The value of the damaged reserve trees at the time of the breach is not readily ascertainable. Therefore, the Purchaser agrees to pay the State as liquidated damages at the rate of \$1,000.00 per tree for all damaged reserve trees that are not replaced in all harvest units.

SIGNATURES

This agreement may be executed in any number of counterparts (including by electronic mail in portable document format (.pdf), or by facsimile) each of which shall be deemed an original but all of which, when taken together, shall constitute one and the same Agreement binding on all parties.

IN WITNESS WHEREOF, the Parties hereto have entered into this contract.

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

Purchaser

Scott Sargent

Print Name

Pacific Cascade Region Manager

Date: _____

Date: _____

Address: _____

CORPORATE ACKNOWLEDGEMENT
(Required for both LLC and Inc. Entities)

STATE OF _____)

COUNTY OF _____)

On this _____ day of _____, 20____, before me personally appeared _____

_____ to me known to be the _____ of the corporation that executed the within and foregoing instrument and acknowledged said instrument to be the free and voluntary act and deed of the corporation, for the uses and purposes therein mentioned, and on oath stated that (he/she was) (they were) authorized to execute said instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Public in and for the State of

My appointment expires _____



WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
FOREST EXCISE TAX ROAD SUMMARY SHEET

Region:

Timber Sale Name:

Application Number:

EXCISE TAX APPLICABLE ACTIVITIES

Construction: **linear feet**
Road to be constructed (optional and required) but not abandoned

Reconstruction: **linear feet**
Road to be reconstructed (optional and required) but not abandoned

Abandonment: **linear feet**
Abandonment of existing roads not reconstructed under the contract

Decommission: **linear feet**
Road to be made undriveable but not officially abandoned.

Pre-Haul Maintenance: **linear feet**
Existing road to receive maintenance work (optional and required) prior to haul

EXCISE TAX EXEMPT ACTIVITIES

Temporary Construction: **linear feet**
Roads to be constructed (optional and required) and then abandoned

Temporary Reconstruction: **linear feet**
Roads to be reconstructed (optional and required) and then abandoned

All parties must make their own assessment of the taxable or non-taxable status of any work performed under the timber sale contract. The Department of Revenue bears responsibility for determining forest road excise taxes. The Department of Natural Resources developed this form to help estimate the impact of forest excise taxes. However, the information provided may not precisely calculate the actual amount of taxes due. The Department of Revenue is available for consultation by calling 1.800.548.8829.
(Revised 9/18)

PRE-CRUISE NARRATIVE

Sale Name: Dabblers	Region: Pacific Cascade
Agreement #: 30-106156	District: Yacolt
Contact Forester: Anchal Rikhi Phone / Location: (360) 355-0347 / Tukes	County(s): Clark, Choose a county
Alternate Contact: Scott Hancock Phone / Location: (360) 608-9294 / Tukes	Other information: Species: Douglas-fir, western hemlock

Type of Sale: Lump Sum	
Harvest System: Ground based	77%
Harvest System: Uphill Cable	23%

UNIT ACREAGES AND METHOD OF DETERMINATION:

Unit # Harvest R/W or RMZ WMZ	Legal Description (Enter only one legal for each unit) Sec/Twp/Rng	Grant or Trust	Gross Proposal Acres	Deductions from Gross Acres (No harvest acres)				Net Harvest Acres	Acreage Determinati on (List method and error of closure if applicable)
				RMZ/ WMZ Acres	Leave Tree Acres	Existing Road Acres	Other Acres (describe)		
1 (VRH)	Sec. 35 & 36 / T06N / R04E	01, 02, 03	102	2	7	<1	<1 (Unstable slopes)	93	GPS (Trimble)
2 (VRH)	Sec. 36. / T06N / R04E	03	14	0	1	0	0	13	GPS (Trimble)
3 (VRH)	Sec. 35. / T06N / R04E	01, 02	35	1	5	0	0	29	GPS (Trimble)
4 (ROW)	Sec. 35. / T06N / R04E	01, 02	3	0	0	0	0	3	GPS (Trimble)
5 (ROW)	Sec. 35. / T06N / R04E	01, 02	2	0	0	0	0	2	GPS (Trimble)
TOTAL ACRES			156	3	13	<1	<1	140	

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit #	Harvest Prescription: (Leave, take, paint color, tags, flagging etc.)	Special Management areas:	Other conditions (# leave trees, etc.)
1 (VRH)	Unit 1 is bounded by white "Timber Sale Boundary" tags with pink flagging, pink flagging along property line between Sec 36. & 01. in 36 / T06N / R04E, and the S-8054 Road. Clumped reserve trees are marked with yellow "Leave Tree Area" tags and pink flagging. Individual reserve trees are marked with a blue ring of paint. Road Centerlines are marked with orange flagging and stakes.	N/A	892 Clumped and Scattered Leave Trees
2 (VRH)	Unit 2 is bounded by white "Timber Sale Boundary" tags with pink flagging, and the S-8054 Road. Individual reserve trees are marked with a blue ring of paint. Road centerlines are marked with orange flagging and stakes.	N/A	122 Clumped and Scattered Leave Trees
3 (VRH)	Unit 3 is bounded by white "Timber Sale Boundary" tags with pink flagging. Individual reserve trees are marked with a blue ring of paint. Road centerlines are marked with orange flagging and stakes.	N/A	390 Clumped and Scattered Leave Trees
4 (ROW)	Unit 4 ROW is bounded by orange "Right-of-Way Boundary" tags. Road centerlines are marked with orange flagging and stakes.	N/A	Right-of-way
5 (ROW)	Unit 5 is bounded by orange "Right-of-Way Boundary" tags. Road centerlines are marked with orange flagging and stakes.	N/A	Right-of-way

OTHER PRE-CRUISE INFORMATION:

Unit #	Primary, secondary Species / Estimated Volume (MBF)	Access information (Gates, locks, etc.)	Photos, traverse maps required
1	DF & WH / 4082 MBF	Accessed via the S-1000 to the S-1010 Rd, to the S-8050, to the S-8054. The unit is located off the S-1010, the S-8054, and the S-8054A Rd. State has easement on the S-8050 & S-8054.	Maps on TSDC
2	DF & WH / 298 MBF	Accessed via the S-1000 to the S-1010 Rd, to the S-8050, to the S-8054. The unit is located off the S-8054 Rd. State has an easement & access on the S-8050 & S-8054.	N/A
3	DF & WH / 1262 MBF	Accessed via the S-1000 to the S-1000B Rd. The unit is located off the S-1000B Rd.	N/A
4	DF & WH / 376 MBF	Accessed via the S-1000 Rd.	N/A
5	DF & WH / 16 MBF	Accessed via the S-1000 Rd.	N/A
TOTAL MBF	6,034 MBF		N/A

REMARKS:

From Highway 503, turn east onto NE Healy Rd. Continue NE Healy Rd for 2.3 miles. NE Healy Rd becomes USFS 54 Rd. Travel on USFS 54 Rd for 2.8 miles. Turn left onto the S-1000 and travel for 2.2 miles. Unit 3 is on the left. To get to the S-1011 road and Unit 1, turn right onto the S-1010 and go for 0.6 miles. To get to the S-8054A2 road, continue on the S-8050 and drive for 0.4 miles. Then take a left onto S-8054 and drive for 0.75 miles. Then take a left onto the S-8054A road and drive for 0.4 miles. The S-8054A Rock Pit will be 0.15 miles from the junction of the S-8054 & the S-8054A. To get to Unit 2, continue on the S-8054 for another 0.2 miles.

Prepared By: Garrett Morrison Date: 09/21/2023	Title: Forester	CC:
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Timber Sale Cruise Report Dabbler

Sale Name: DABBLER

Sale Type: LUMP SUM

Region: PACIFIC CASC

District: YACOLT

Lead Cruiser: Dylan Buchanan

Other Cruisers: B. Warnstadt, A. Douglas, Matthew Llobet

Cruise Narrative:

Location: The DABBLER timber sale is located just south of Yale Lake approximately 6 miles northeast of Chelatchie WA. It can be accessed by taking USFS 54 RD to the S-1000 RD and S-8054 RD.

Cruise Design: Units 1,2, and 3 were cruised using variable radius plots with a 54.44 BAF sighted at 4.5 feet. Unit 1 had a cruise to count plot ratio of 1:2. Unit 2 had all plots measured. Unit 3 had a cruise to count plot ratio of 1:1. Unit 4 ROW was cruised using 1/20 acre fixed plots and Unit 5 ROW was cruised with a 33.61 BAF sighted at 4.5 feet. All plots were measured in both ROWs. Conifers were cruised to 40 foot preferred log lengths and hardwoods were cruised to 30 foot preferred lengths. Boles were cruised to an estimated break point of 40% of the diameter at 16 feet.

Timber Quality: This sale is DF dominant with a secondary component of WH. There is a small amount of MA and RC with a trace of RA. Timber quality in Units 1, 2, and 3 was high across the sale. Most trees are large and have good form. DABBLER's DF carries an average diameter of 23.4 inches at 4.5 feet. There is a large amount of HQ A and HQ B sorts with abundant SM and some 3P grade logs present. DF bole lengths in these 3 units average between 99-107 feet. A potential for large poles is definitely present here. WH has an average DBH of 18.1 inches and looks good. WH has some rot present from old bear damage. Other average diameters for this sale include: MA 15.3", RC 20.8", and RA 10.6". A very small amount of conks on live trees were observed. Dead standing wood is present as well as some gaps in the canopy here and there. Some spike knots were seen and small epicormic branching is persistent. There are also some small pockets of root disease throughout.

Unit 4 ROW consists of mostly small 4saw and UT logs with a few scattered larger DF.

Unit 5 ROW is mostly small 10-11" DF and RA. Some black knot observed in RA.

Logging and Stand Conditions: DABBLER is estimated to be 77% ground based logging and 23% uphill cable logging. Stand conditions are nice, light brush, little windfall, and no draws.

General Remarks:

Timber Sale Notice Volume (MBF)

Sp	DBH	Rings/In	Age	MBF Volume by Grade						
				All	Peeler	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
DF	23.4	10.5		6,040	324	1,308	3,275	1,020	99	15
WH	18.1			2,529			1,828	543	120	38
MA	15.3			31			12	6	14	
RC	20.8			17				15	2	
RA	10.6			2					2	
ALL	20.9	10.4		8,618	324	1,308	5,114	1,583	236	53

Timber Sale Notice Weight (tons)

Sp	Tons by Grade						
	All	Peeler	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
DF	37,963	1,683	7,548	19,699	8,099	838	95
WH	19,383			12,833	5,046	1,203	301
MA	292			87	49	156	
RC	123				108	15	
RA	18					18	
ALL	57,779	1,683	7,548	32,618	13,303	2,230	397

Timber Sale Overall Cruise Statistics

BA (sq ft/acre)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR SE (%)	Net Vol (bf/acre)	Vol SE (%)
290.4	3.1	211.0	1.5	61,555	3.5

Timber Sale Unit Cruise Design

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
DABBLER U1	B1C: VR, 1 BAF (54.44) Measure/ Count Plots, Sighting Ht = 4.5 ft	93.0	102.2	97	37	0
DABBLER U2	B1: VR, 1 BAF (54.44) Measure All, Sighting Ht = 4.5 ft	13.0	14.2	14	14	0
DABBLER U3	B1C: VR, 1 BAF (54.44) Measure/ Count Plots, Sighting Ht = 4.5 ft	29.0	34.6	33	17	0
DABBLER ROW U4	FX: FR plots (20 tree / acre expansion)	3.0	3.4	7	7	0
DABBLER ROW U5	B1: VR, 1 BAF (33.61) Measure All, Sighting Ht = 4.5 ft	2.0	1.6	3	3	0

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
All		140.0	156.0	154	78	0

Timber Sale Log Grade x Sort Summary

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
DF	LIVE	2 SAW	Domestic	16.2	39	12,084	11,826	2.1	9,671.3	1,655.6
DF	LIVE	2 SAW	HQ-A	15.7	40	3,030	3,008	0.7	2,589.9	421.1
DF	LIVE	2 SAW	HQ-B	16.3	40	6,091	5,945	2.4	5,146.4	832.3
DF	LIVE	2 SAW	Pole	16.1	40	2,621	2,612	0.3	2,291.6	365.7
DF	LIVE	3 PEELER	Domestic	25.7	40	2,250	2,250	0.0	1,635.5	314.9
DF	LIVE	3 PEELER	HQ-A	24.5	40	62	62	0.0	47.1	8.6
DF	LIVE	3 SAW	Domestic	8.9	37	5,526	5,415	2.0	6,264.0	758.0
DF	LIVE	3 SAW	HQ-B	10.9	40	1,274	1,266	0.6	1,241.4	177.3
DF	LIVE	3 SAW	Pole	10.7	39	602	602	0.0	593.9	84.3
DF	LIVE	4 SAW	Domestic	6.0	27	679	671	1.2	797.3	94.0
DF	LIVE	4 SAW	Pole	8.5	18	32	32	0.0	40.9	4.5
DF	LIVE	CULL	Cull	9.5	7	438	0	100.0	0.0	0.0
DF	LIVE	SPECIAL MILL	HQ-A	19.6	40	9,409	9,344	0.7	7,547.9	1,308.2
DF	LIVE	UTILITY	Pulp	5.8	13	111	106	4.0	95.4	14.9
MA	LIVE	2 SAW	Domestic	12.5	30	99	82	16.6	86.5	11.5
MA	LIVE	3 SAW	Domestic	11.0	26	55	43	22.3	49.1	6.0
MA	LIVE	4 SAW	Domestic	7.2	28	108	98	8.8	156.3	13.7
MA	LIVE	CULL	Cull	5.0	12	4	0	100.0	0.0	0.0
RA	LIVE	4 SAW	Domestic	5.3	36	12	11	11.7	18.0	1.5
RA	LIVE	CULL	Cull	5.0	1	0	0	100.0	0.0	0.0
RC	LIVE	3 SAW	Domestic	12.7	34	114	106	7.1	108.4	14.8
RC	LIVE	4 SAW	Domestic	7.0	20	14	14	0.0	15.1	1.9
WH	LIVE	2 SAW	Domestic	15.9	40	13,402	13,057	2.6	12,832.8	1,827.9
WH	LIVE	3 SAW	Domestic	9.2	37	3,952	3,878	1.9	5,046.1	542.9
WH	LIVE	4 SAW	Domestic	5.7	29	885	858	3.1	1,202.9	120.1
WH	LIVE	CULL	Cull	9.1	4	191	0	100.0	0.0	0.0
WH	LIVE	UTILITY	Pulp	6.8	20	270	269	0.2	301.4	37.7

Timber Sale Log Sort x Diameter Bin Summary

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
DF	5 - 7	LIVE	Pulp	5.2	13	98	0.0	82.7	13.7
DF	5 - 7	LIVE	Cull	5.4	4	0	100.0	0.0	0.0

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
DF	5 - 7	LIVE	Domestic	6.4	32	1,775	1.6	2,153.5	248.5
DF	8 - 11	LIVE	Pulp	8.7	14	8	34.9	12.7	1.2
DF	8 - 11	LIVE	Cull	9.4	5	0	100.0	0.0	0.0
DF	8 - 11	LIVE	Domestic	9.8	36	4,288	2.0	4,883.4	600.4
DF	8 - 11	LIVE	Pole	10.1	32	550	0.0	554.8	77.0
DF	8 - 11	LIVE	HQ-B	10.9	40	1,266	0.6	1,241.4	177.3
DF	12 - 15	LIVE	Cull	13.5	23	0	100.0	0.0	0.0
DF	12 - 15	LIVE	Domestic	13.9	39	4,348	1.2	3,948.1	608.7
DF	12 - 15	LIVE	Pole	13.9	40	1,085	0.3	1,025.7	151.9
DF	12 - 15	LIVE	HQ-B	14.2	40	2,623	1.7	2,407.7	367.3
DF	12 - 15	LIVE	HQ-A	14.4	40	1,652	0.6	1,459.0	231.3
DF	16 - 19	LIVE	Pole	17.4	40	1,375	0.4	1,169.8	192.6
DF	16 - 19	LIVE	HQ-A	17.8	40	5,559	0.9	4,694.0	778.3
DF	16 - 19	LIVE	Domestic	17.9	40	4,619	1.7	3,609.7	646.7
DF	16 - 19	LIVE	HQ-B	17.9	40	1,370	3.8	1,225.0	191.8
DF	20+	LIVE	Pole	20.4	40	237	0.0	176.2	33.1
DF	20+	LIVE	HQ-A	21.7	40	5,202	0.5	4,031.9	728.3
DF	20+	LIVE	HQ-B	22.4	40	1,952	2.3	1,513.6	273.3
DF	20+	LIVE	Domestic	24.1	40	5,131	2.4	3,773.4	718.4
DF	20+	LIVE	Cull	25.5	9	0	100.0	0.0	0.0
MA	5 - 7	LIVE	Cull	5.0	12	0	100.0	0.0	0.0
MA	5 - 7	LIVE	Domestic	5.6	31	42	11.1	73.7	5.9
MA	8 - 11	LIVE	Domestic	10.2	28	99	14.3	131.6	13.8
MA	12 - 15	LIVE	Domestic	12.9	30	82	16.6	86.5	11.5
RA	5 - 7	LIVE	Cull	5.0	1	0	100.0	0.0	0.0
RA	5 - 7	LIVE	Domestic	5.3	37	11	11.7	18.0	1.5
RC	5 - 7	LIVE	Domestic	6.6	21	14	0.0	15.1	1.9
RC	8 - 11	LIVE	Domestic	11.2	38	60	5.4	66.2	8.5
RC	12 - 15	LIVE	Domestic	12.1	30	14	6.8	12.0	1.9
RC	16 - 19	LIVE	Domestic	17.2	30	31	10.1	30.3	4.4
WH	5 - 7	LIVE	Cull	5.5	5	0	100.0	0.0	0.0
WH	5 - 7	LIVE	Domestic	5.9	31	1,320	2.1	1,816.8	184.9
WH	5 - 7	LIVE	Pulp	6.0	17	96	0.6	122.6	13.4
WH	8 - 11	LIVE	Cull	9.0	5	0	100.0	0.0	0.0
WH	8 - 11	LIVE	Pulp	9.7	30	112	0.0	127.7	15.7
WH	8 - 11	LIVE	Domestic	9.8	35	3,379	2.1	4,381.5	473.1
WH	12 - 15	LIVE	Cull	14.0	5	0	100.0	0.0	0.0
WH	12 - 15	LIVE	Domestic	14.0	39	4,875	2.3	5,252.3	682.5

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
WH	16 - 19	LIVE	Cull	17.7	8	0	100.0	0.0	0.0
WH	16 - 19	LIVE	Domestic	17.7	40	6,037	2.2	5,732.0	845.2
WH	20+	LIVE	Domestic	21.6	39	2,181	4.1	1,899.3	305.3
WH	20+	LIVE	Cull	22.2	6	0	100.0	0.0	0.0
WH	20+	LIVE	Pulp	22.3	40	61	0.0	51.1	8.5

Cruise Unit Report DABBLER U1

Unit Sale Notice Volume (MBF): DABBLER U1

Sp	DBH	Rings/In	Age	MBF Volume by Grade						
				All	Peeler	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
DF	23.6	10.5		4,517	194	907	2,566	774	68	9
WH	17.9			1,483			1,027	357	73	27
MA	15.3			14			6		8	
RC	22.1			12				10	1	
ALL	21.1	10.5		6,026	194	907	3,599	1,141	149	36

Unit Cruise Design: DABBLER U1

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (54.44) Measure/Count Plots, Sighting Ht = 4.5 ft	93.0	102.2	97	37	0

Unit Cruise Summary: DABBLER U1

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	150	374	3.9	2
WH	72	161	1.7	0
MA	2	3	0.0	0
RC	2	2	0.0	0
ALL	226	540	5.6	2

Unit Cruise Statistics: DABBLER U1

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	209.9	63.3	6.4	231.4	21.9	1.8	48,574	67.0	6.7
WH	90.4	98.7	10.0	176.5	34.7	4.1	15,947	104.6	10.8
MA	1.7	562.7	57.1	87.3	6.6	4.6	147	562.7	57.3
RC	1.1	692.8	70.3	110.8	23.8	16.8	124	693.2	72.3
ALL	303.1	38.7	3.9	213.8	28.7	1.9	64,792	48.2	4.4

Unit Summary: DABBLER U1

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	150	ALL	23.8	107	137	49,865	48,574	2.6	67.9	209.9	43.0	4,517.3
MA	LIVE	CUT	2	ALL	15.3	56	72	172	147	14.5	1.3	1.7	0.4	13.7
RC	LIVE	CUT	2	ALL	22.1	68	86	131	124	5.2	0.4	1.1	0.2	11.6
WH	LIVE	CUT	72	ALL	18.4	71	92	16,449	15,947	3.1	48.9	90.4	21.1	1,483.1
ALL	LIVE	CUT	226	ALL	21.6	91	117	66,617	64,792	2.7	118.5	303.1	64.8	6,025.7
ALL	ALL	ALL	226	ALL	21.6	91	117	66,617	64,792	2.7	118.5	303.1	64.8	6,025.7

Cruise Unit Report DABBLER U2

Unit Sale Notice Volume (MBF): DABBLER U2

Sp	DBH	Rings/In	Age	MBF Volume by Grade						Utility
				All	Peeler	Spec Mill	2 Saw	3 Saw	4 Saw	
DF	24.0	12.0		504	24	178	216	80	5	
WH	19.2			259			171	75	5	9
ALL	21.6	12.0		763	24	178	387	155	11	9

Unit Cruise Design: DABBLER U2

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (54.44) Measure All, Sighting Ht = 4.5 ft	13.0	14.2	14	14	0

Unit Cruise Summary: DABBLER U2

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	44	44	3.1	1
WH	30	30	2.1	0
ALL	74	74	5.3	1

Unit Cruise Statistics: DABBLER U2

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	171.1	52.7	14.1	226.7	19.4	2.9	38,791	56.2	14.4
WH	116.7	77.3	20.7	170.9	27.9	5.1	19,936	82.2	21.3
ALL	287.8	40.9	10.9	204.1	25.9	3.0	58,728	48.5	11.3

Unit Summary: DABBLER U2

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	44	ALL	24.0	104	134	39,378	38,791	1.5	54.5	171.1	34.9	504.3
WH	LIVE	CUT	30	ALL	19.2	82	103	20,870	19,936	4.5	58.0	116.7	26.6	259.2
ALL	LIVE	CUT	74	ALL	21.7	93	118	60,249	58,728	2.5	112.5	287.8	61.5	763.5
ALL	ALL	ALL	74	ALL	21.7	93	118	60,249	58,728	2.5	112.5	287.8	61.5	763.5

Cruise Unit Report DABBLER U3

Unit Sale Notice Volume (MBF): DABBLER U3

Sp	DBH	Rings/In	Age	MBF Volume by Grade						
				All	Peeler	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
DF	22.6	9.5		952	97	209	478	148	17	3
WH	18.3			782			630	111	39	2
MA	15.3			18			6	6	6	
RC	18.0			5				4	1	
ALL	20.2	9.5		1,757	97	209	1,114	269	63	5

Unit Cruise Design: DABBLER U3

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (54.44) Measure/Count Plots, Sighting Ht = 4.5 ft	29.0	34.6	33	17	0

Unit Cruise Summary: DABBLER U3

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	55	83	2.5	2
WH	34	82	2.5	0
MA	4	5	0.2	0
RC	1	1	0.0	0
ALL	94	171	5.2	2

Unit Cruise Statistics: DABBLER U3

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	136.9	89.0	15.5	239.8	20.3	2.7	32,837	91.3	15.7
WH	135.3	66.8	11.6	199.4	35.9	6.2	26,978	75.8	13.2
MA	8.2	240.3	41.8	73.5	45.8	22.9	606	244.6	47.7
RC	1.6	574.5	100.0	107.5	0.0	0.0	177	574.5	100.0
ALL	282.1	32.5	5.7	214.8	31.8	3.3	60,599	45.5	6.5

Unit Summary: DABBLER U3

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	55	ALL	22.7	99	134	33,510	32,837	2.0	48.7	136.9	28.7	952.3
MA	LIVE	CUT	4	ALL	15.3	42	61	730	606	16.9	6.5	8.2	2.1	17.6
RC	LIVE	CUT	1	ALL	18.0	68	86	194	177	8.7	0.9	1.6	0.4	5.1
WH	LIVE	CUT	34	ALL	18.3	66	90	28,034	26,978	3.8	74.1	135.3	31.6	782.4
ALL	LIVE	CUT	94	ALL	19.9	77	105	62,467	60,599	3.0	130.2	282.1	62.9	1,757.4
ALL	ALL	ALL	94	ALL	19.9	77	105	62,467	60,599	3.0	130.2	282.1	62.9	1,757.4

Cruise Unit Report DABBLER ROW U4

Unit Sale Notice Volume (MBF): DABBLER ROW U4

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	Peeler	Spec Mill	2 Saw	3 Saw	4 Saw
DF	27.9			39	9	14	14	2	0
WH	10.4			4				1	3
RA	9.0			0					0
ALL	16.0			44	9	14	14	3	3

Unit Cruise Design: DABBLER ROW U4

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
FX: FR plots (20 tree / acre expansion)	3.0	3.4	7	7	0

Unit Cruise Summary: DABBLER ROW U4

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	4	4	0.6	0
WH	13	13	1.9	0
RA	1	1	0.1	0
ALL	18	18	2.6	0

Unit Cruise Statistics: DABBLER ROW U4

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	48.5	171.1	64.7	271.5	41.8	20.9	13,160	176.2	68.0
WH	21.8	59.4	22.5	60.8	20.9	5.8	1,326	63.0	23.2
RA	1.3	264.6	100.0	72.4	0.0	0.0	91	264.6	100.0
ALL	71.5	112.7	42.6	203.7	41.5	9.8	14,577	120.1	43.7

Unit Summary: DABBLER ROW U4

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	4	ALL	27.9	100	130	13,360	13,160	1.5	11.4	48.5	9.2	39.5
RA	LIVE	CUT	1	ALL	9.0	32	47	91	91	0.0	2.9	1.3	0.4	0.3
WH	LIVE	CUT	13	ALL	10.4	29	38	1,326	1,326	0.0	37.0	21.8	6.8	4.0
ALL	LIVE	CUT	18	ALL	16.0	45	59	14,777	14,577	1.4	51.3	71.5	16.4	43.7

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
ALL	ALL	ALL	18	ALL	16.0	45	59	14,777	14,577	1.4	51.3	71.5	16.4	43.7

Cruise Unit Report DABBLER ROW U5

Unit Sale Notice Volume (MBF): DABBLER ROW U5

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	3 Saw	4 Saw	Utility
DF	10.9			26	16	8	3
RA	11.0			1		1	
ALL	10.9			28	16	9	3

Unit Cruise Design: DABBLER ROW U5

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (33.61) Measure All, Sighting Ht = 4.5 ft	2.0	1.6	3	3	0

Unit Cruise Summary: DABBLER ROW U5

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	12	14	4.7	0
RA	1	1	0.3	0
ALL	13	15	5.0	0

Unit Cruise Statistics: DABBLER ROW U5

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	156.8	32.7	18.9	83.7	24.1	7.0	13,124	40.7	20.1
RA	11.2	173.2	100.0	56.1	0.0	0.0	628	173.2	100.0
ALL	168.1	20.0	11.5	81.8	25.6	7.1	13,753	32.5	13.6

Unit Summary: DABBLER ROW U5

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	12	ALL	10.9	42	59	13,949	13,124	5.9	242.1	156.8	47.5	26.2
RA	LIVE	CUT	1	ALL	11.0	43	58	747	628	15.9	17.0	11.2	3.4	1.3
ALL	LIVE	CUT	13	ALL	10.9	42	59	14,696	13,753	6.4	259.1	168.1	50.9	27.5
ALL	ALL	ALL	13	ALL	10.9	42	59	14,696	13,753	6.4	259.1	168.1	50.9	27.5



Forest Practices Application/Notification Notice of Decision

FPA/N No: 2942570

Effective Date: 7/1/2024

Expiration Date: 7/1/2027

Shut Down Zone: 660

EARR Tax Credit: Eligible Non-eligible

Reference: Dabblers TBS

30-106156

Decision

- Notification Accepted** Operations shall not begin before the effective date.
- Approved** This Forest Practices Application is subject to the conditions listed below.
- Disapproved** This Forest Practices Application is disapproved for the reasons listed below.
- Withdrawn** Applicant has withdrawn the Forest Practices Application/Notification (FPA/N).
- Closed** All forest practices obligations are met.

FPA/N Classification

Class II Class III Class IVG Class IVS

Number of Years Granted on Multi-Year Request

4 years 5 years

Conditions on Approval/Reasons for Disapproval

No additional conditions.

Issued By: Geoff Crosby

Region: Pacific Cascade Region

Title: Forest Practices Forester

Date: 7/1/2024

Copies to: Landowner, Timber Owner, and Operator

Issued in person: LO TO OP

By: [Signature]

Date: 7/1/2024

Appeal Information

You have thirty (30) days to **file** (i.e., **actually deliver**) an appeal in writing of this Decision and any related State Environmental Policy Act (SEPA) determinations to the Pollution Control Hearings Board, the Attorney General's Office, and the Department of Natural Resources' region office. See RCW 76.09.205. The appeal period starts when the applicant receives this decision, which usually happens electronically on the date indicated below.

You must file your appeal at all three addresses below:

Pollution Control Hearings Board	Office of the Attorney General Natural Resources Division	Department Of Natural Resources Pacific Cascade Region
<u>Physical Address</u> 1111 Israel Road, SW Suite 301 Tumwater, WA 98501	<u>Physical Address</u> 1125 Washington Street, SE Olympia, WA 98504	<u>Physical Address</u> 601 Bond Rd Castle Rock WA 98611
<u>Mailing address</u> Post Office Box 40903 Olympia, WA 98504-0903	<u>Mailing Address</u> Post Office Box 40100 Olympia, WA 98504-0100	<u>Mailing Address</u> Post Office Box 280 Castle Rock, WA 98611-0280

Information regarding the Pollution Control Hearings Board can be found at: <https://elaho.wa.gov>

Other Applicable Laws

Operating as described in this application/notification does not ensure compliance with the Endangered Species Act, or other federal, state, or local laws.

Transfer of Forest Practices Application/Notification (WAC 222-20-010)

Use the "Notice of Transfer of Approved Forest Practices Application/Notification" form. This form is available at region offices and on the Forest Practices website <https://www.dnr.wa.gov/programs-and-services/forest-practices/review-applications-fpars/forest-practices-forms-and>. Notify DNR of new Operators within 48 hours.

Continuing Forestland Obligations (RCW 76.09.060, RCW 76.09.070, RCW 76.09.390, and WAC 222-20-055)

Obligations include reforestation, road maintenance and abandonment plans, conversions of forestland to non-forestry use and/or harvest strategies on perennial non-fish habitat (Type Np) waters in Eastern Washington.

Before the sale or transfer of land or perpetual timber rights subject to continuing forest and obligations, the seller must notify the buyer of such an obligation on a form titled "Notice of Continuing Forest Land Obligation". The seller and buyer must both sign the "Notice of Continuing Forest Land Obligation" form and send it to the DNR Region Office for retention. This form is available at DNR region offices.

If the seller fails to notify the buyer about the continuing forestland obligation, the seller must pay the buyer's costs related to continuing forestland obligations, including all legal costs and reasonable attorneys' fees incurred by the buyer in enforcing the continuing forestland obligation against the seller.

Failure by the seller to send the required notice to DNR at the time of sale will be prima facie evidence in an action by the buyer against the seller for costs related to the continuing forestland obligation prior to sale.

DNR Declaration of Mailing

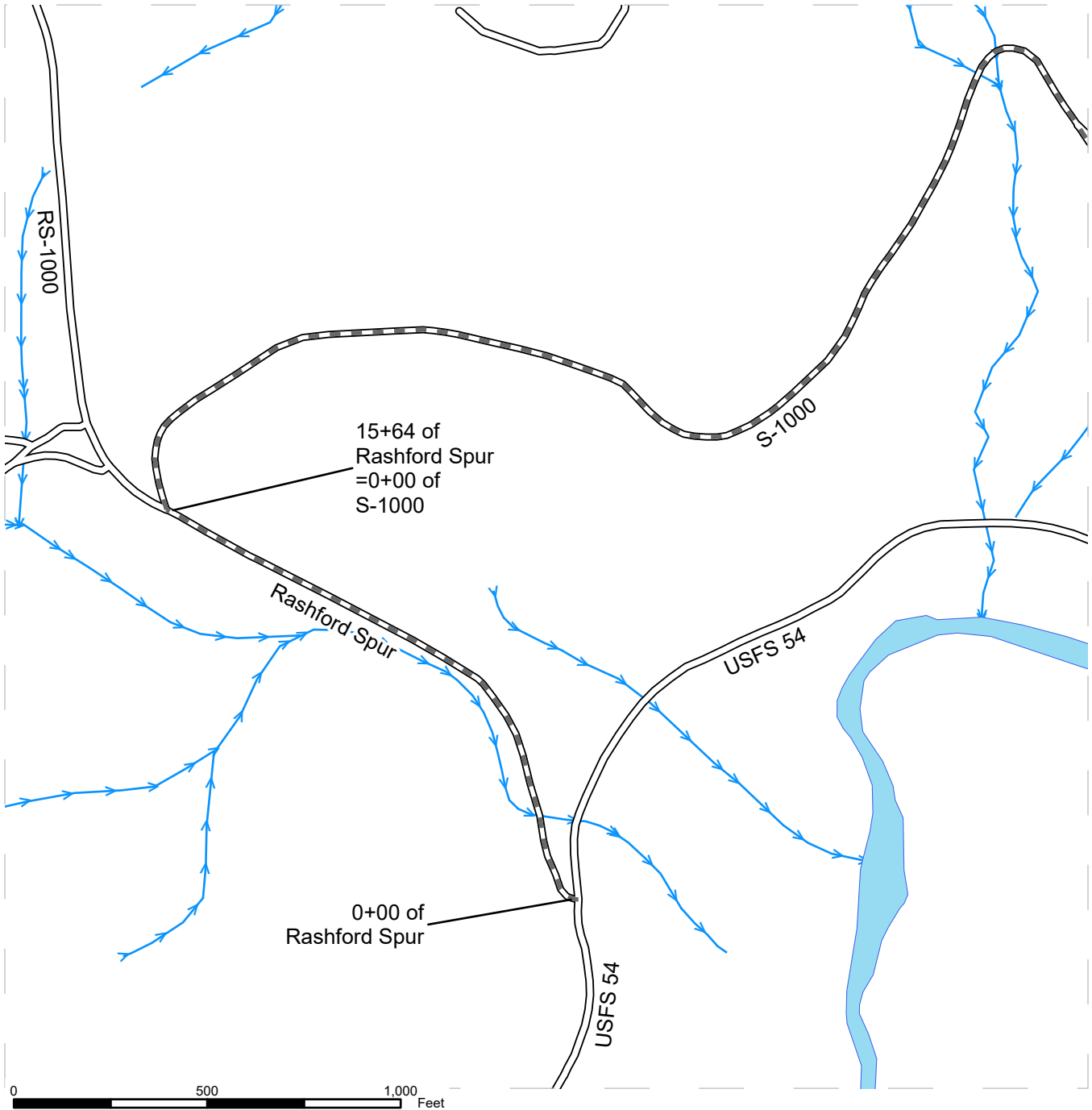
I _____, caused the Notice of Decision for FPA/N No. _ to be placed in the United States mail at Castle Rock, WA, postage paid. I declare under penalty of perjury of the laws of the State of Washington, that the foregoing is true and correct.

_____ Castle Rock, WA _____
 (Date) (City & State where signed) (Signature)

ROAD PLAN MAP

SALE NAME: DABBLER
AGREEMENT#: 30-106156
TOWNSHIP(S): T6R4E
TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
COUNTY(S): Clark
ELEVATION RGE: 1400-1920



Legend:

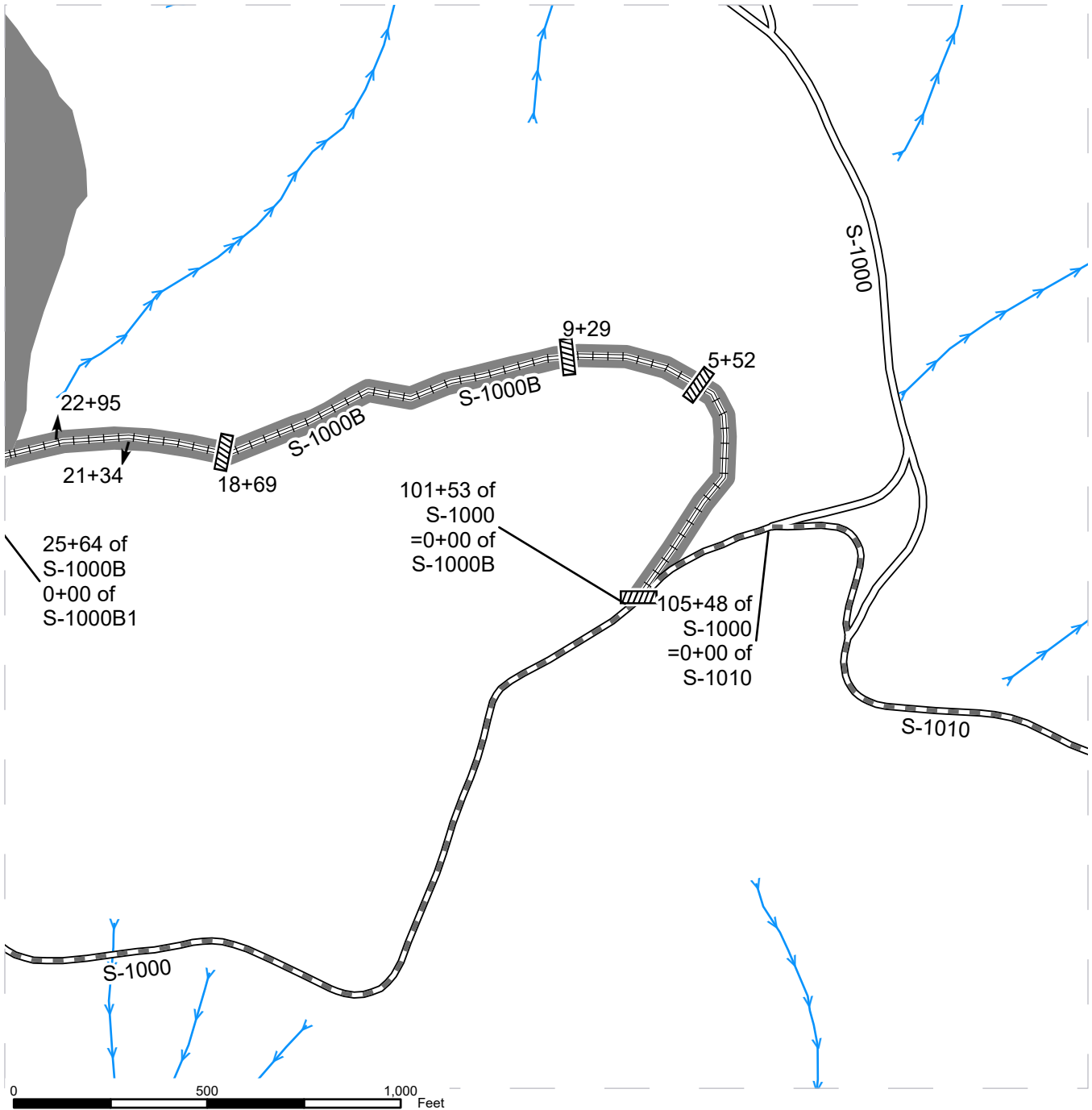
- Existing Roads
- Required Pre-Haul Maintenance
- Streams

North Arrow:

ROAD PLAN MAP

SALE NAME: DABBLER
AGREEMENT#: 30-106156
TOWNSHIP(S): T6R4E
TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
COUNTY(S): Clark
ELEVATION RGE: 1400-1920

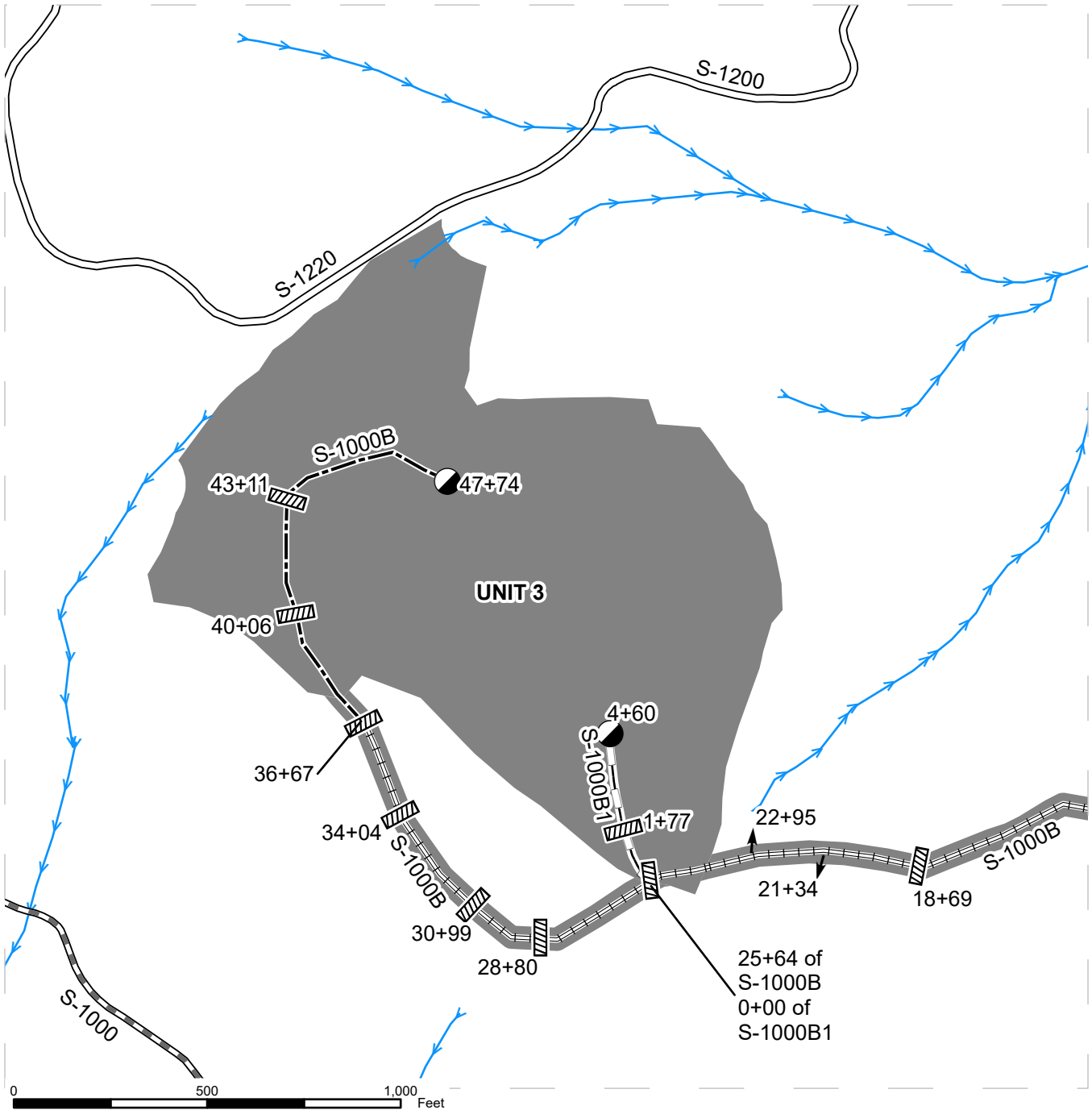


Existing Roads	Culvert
Required Pre-Haul Maintenance	Harvest Type
Required Reconstruction	Streams
Ditchout	

ROAD PLAN MAP

SALE NAME: DABBLER
AGREEMENT#: 30-106156
TOWNSHIP(S): T6R4E
TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
COUNTY(S): Clark
ELEVATION RGE: 1400-1920



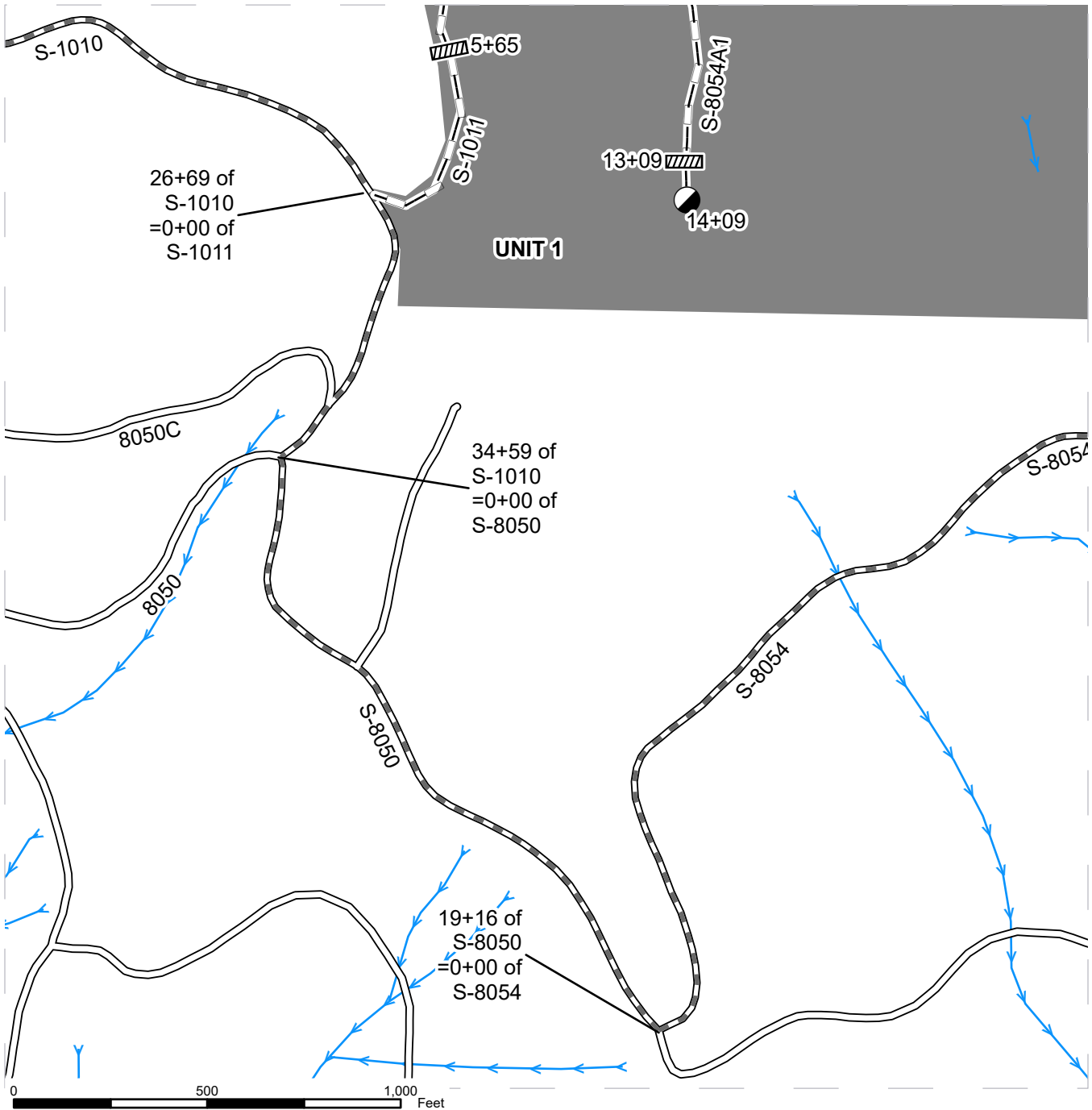
Existing Roads	Culvert
Required Pre-Haul Maintenance	Designated Landing
Required Reconstruction	Harvest Type
Optional Construction	Streams
Optional Reconstruction	
Ditchout	



ROAD PLAN MAP

SALE NAME: DABBLER
AGREEMENT#: 30-106156
TOWNSHIP(S): T6R4E
TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
COUNTY(S): Clark
ELEVATION RGE: 1400-1920



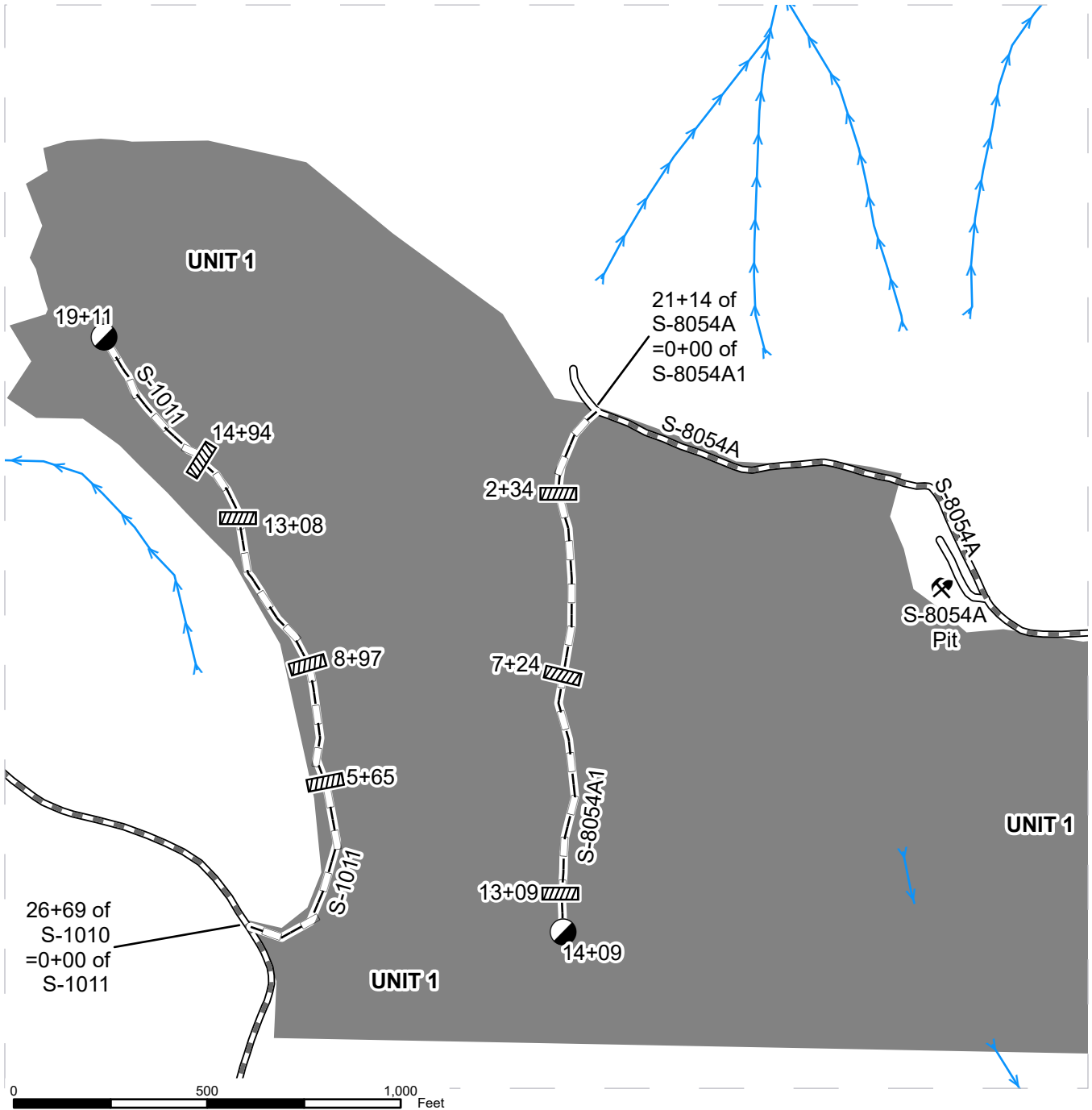
Existing Roads	Designated Landing
Required Pre-Haul Maintenance	Harvest Type
Optional Reconstruction	Streams
Culvert	



ROAD PLAN MAP

SALE NAME: DABBLER
AGREEMENT#: 30-106156
TOWNSHIP(S): T6R4E
TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
COUNTY(S): Clark
ELEVATION RGE: 1400-1920



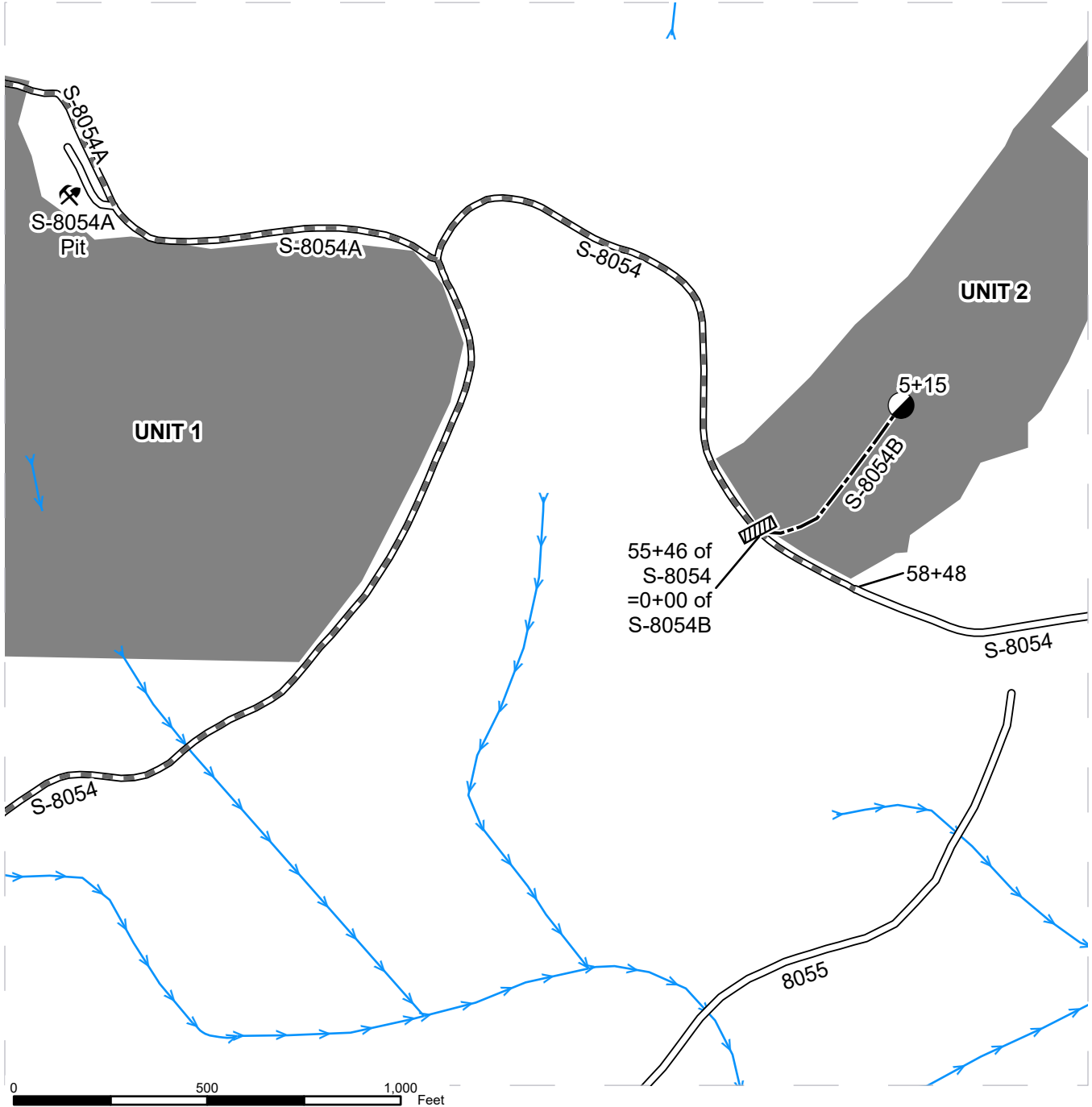
Existing Roads	Designated Landing
Required Pre-Haul Maintenance	Rock Pit
Optional Reconstruction	Harvest Type
Culvert	Streams



ROAD PLAN MAP

SALE NAME: DABBLER
 AGREEMENT#: 30-106156
 TOWNSHIP(S): T6R4E
 TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
 COUNTY(S): Clark
 ELEVATION RGE: 1400-1920



Existing Roads	Designated Landing
Required Pre-Haul Maintenance	Rock Pit
Optional Construction	Harvest Type
Culvert	Streams

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

DABBLER TIMBER SALE ROAD PLAN
CLARK COUNTY
YACOLT DISTRICT
PACIFIC CASCADE REGION

AGREEMENT NO.: 30-106156

STAFF ENGINEER: BRETT WALLACHY

DRAWN & COMPILED BY: ALCIA COMPTON

SECTION 0 – SCOPE OF PROJECT

0-1 ROAD PLAN SCOPE

Clauses in this road plan apply to all road related work, including landings and rock source development, unless otherwise noted.

0-2 REQUIRED ROADS

The specified work on the following roads is required.

<u>Road</u>	<u>Stations</u>	<u>Type</u>
Rashford Spur	0+00 to 15+64	Pre-haul maintenance
S-1000	0+00 to 105+48	Pre-haul maintenance
S-1000B	0+00 to 36+67	Reconstruction
S-1010	0+00 to 34+59	Pre-haul maintenance
S-8050	0+00 to 19+16	Pre-haul maintenance
S-8054	0+00 to 58+48	Pre-haul maintenance
S-8054A	0+00 to 21+14	Pre-haul maintenance

0-3 OPTIONAL ROADS

The specified work on the following roads is not required. Any optional roads built by the Purchaser must meet all the specifications in the road plan.

<u>Road</u>	<u>Stations</u>	<u>Type</u>
S-1000B	36+67 to 47+74	Construction
S-1000B1	0+00 to 4+60	Reconstruction
S-1011	0+00 to 19+11	Reconstruction
S-8054A1	0+00 to 14+09	Reconstruction
S-8054B	0+00 to 5+15	Construction

0-4 CONSTRUCTION

Construction includes, but is not limited to: clearing, grubbing, and organic debris disposal; excavation, embankment, fill, and waste material disposal; turnout, landing, turnaround, ditch, and ditch-out construction; acquisition and installation of drainage structures; shaping and compaction; acquisition, manufacture, and application of rock; acquisition and application of erosion control.

0-5 RECONSTRUCTION

This project includes, but is not limited to the following reconstruction requirements:

<u>Road</u>	<u>Stations</u>	<u>Requirements</u>
S-1000B	0+00 to 36+67	Clearing and grubbing, widening the road prism, culverts, shaping and compaction, rock, erosion control
S-1000B1	0+00 to 4+60	
S-1011	0+00 to 19+11	
S-8054A1	0+00 to 14+09	

0-6 PRE-HAUL MAINTENANCE

This project includes, but is not limited to the following pre-haul maintenance requirements:

<u>Road</u>	<u>Stations</u>	<u>Requirements</u>
Rashford Spur	0+00 to 15+64	Maintenance grading, rock
S-1000	0+00 to 105+48	
S-1010	0+00 to 34+59	
S-8050	0+00 to 19+16	
S-8054	0+00 to 58+48	
S-8054A	0+00 to 21+14	

0-10 ABANDONMENT

This project includes abandonment listed in Clause 9-21 ROAD ABANDONMENT.

0-12 DEVELOP ROCK SOURCE

Purchaser may develop an existing rock source. Rock source development will involve clearing, grubbing, organic debris disposal, stripping overburden, waste material disposal, blasting, etc. Work for developing rock sources is listed in Section 6 ROCK AND SURFACING.

SECTION 1 – GENERAL

1-1 ROAD PLAN CHANGES

If the Purchaser desires a change from this road plan including, but not limited to, relocation, extension, change in design, or adding roads; a revised road plan must be submitted in writing to the Contract Administrator for consideration. Before work begins, Purchaser shall obtain approval from the State for the submitted plan.

1-2 UNFORESEEN CONDITIONS

Quantities established in this road plan are minimum acceptable values. Additional quantities required by the state due to unforeseen conditions, or Purchaser's choice of construction season or techniques will be at the Purchaser's expense. Unforeseen conditions include, but are not limited to, solid subsurface rock, subsurface springs, saturated ground, and unstable soils.

1-3 ROAD DIMENSIONS

Purchaser shall perform road work in accordance with the dimensions shown on the TYPICAL SECTION SHEET and the specifications within this road plan.

1-4 ROAD TOLERANCES

Purchaser shall perform road work within the tolerances listed below. The tolerance class for each road is listed on the TYPICAL SECTION SHEET.

<u>Tolerance Class</u>	<u>A</u>	<u>B</u>	<u>C</u>
Road and Subgrade Width (feet)	+1.5	+1.5	+2.0
Subgrade Elevation (feet +/-)	0.5	1.0	2.0
Centerline alignment (feet lt./rt.)	1.0	1.5	3.0

1-6 ORDER OF PRECEDENCE

Any conflict or inconsistency in the road plan will be resolved by giving the documents precedence in the following order:

1. Addenda.
2. Designs or Plans. On designs and plans, figured dimensions shall take precedence over scaled dimensions.
3. Road Plan Clauses.
4. Typical Section Sheet.
5. Standard Lists.
6. Standard Details.
7. Road Plan maps.

In case of any ambiguity or dispute over interpreting the road plan, the Contract Administrator's or designee's decision will be final.

1-7 TEMPORARY ROAD CLOSURE

Purchaser shall notify the Contract Administrator a minimum of 3 business days before the closure of any road.

1-8 REPAIR OR REPLACEMENT OF DAMAGED MATERIALS

Purchaser shall repair or replace all materials, roadway infrastructure, and road components damaged during road work or operation activities. The Contract Administrator will direct repairs and replacements. Repairs to structural materials must be made in accordance with the manufacturer's recommendation and may not begin without written approval from the Contract Administrator.

1-9 DAMAGED METALLIC COATING

Any cut ends, or damaged galvanized or aluminized coating on existing or new bridge components, culverts, downspouts, and flumes must be cleaned and treated with a minimum of two coats of zinc rich paint or cold galvanizing compound.

1-15 ROAD MARKING

Purchaser shall perform road work in accordance with the state's marked location. All road work is marked as follows:

- Stakes, orange ribbon, orange paint, aluminum tags

1-18 REFERENCE POINT DAMAGE

Purchaser shall reset reference points (RPs) that were moved or damaged at any time during construction to their original locations. Excavation and embankment may not proceed on road segments controlled by said RPs until Purchaser resets all moved or damaged RPs.

1-21 HAUL APPROVAL

Purchaser shall not use roads under this road plan for timber haul, other than timber cut on the right-of-way, without written approval from the Contract Administrator.

1-22 WORK NOTIFICATIONS

Purchaser shall notify the Contract Administrator a minimum of 3 business days before work begins.

1-23 ROAD WORK PHASE APPROVAL

Purchaser shall obtain written approval from the Contract Administrator upon completion of each of the following phases of road work:

- Maintenance grading
- Subgrade construction and reconstruction
- Culvert installations
- Shaping & compaction
- Rock application & compaction
- Post-construction and reconstruction erosion control application
- Abandonment
- Post-abandonment erosion control application

1-25 ACTIVITY TIMING RESTRICTION

The specified activities are not allowed during the listed closure period(s) unless authorized in writing by the Contract Administrator. Restrictions for hauling forest products are specified in Contract Clause H-130 HAULING SCHEDULE.

<u>Activity</u>	<u>Closure Period</u>
Road construction and reconstruction	October 1 to April 30

1-26 OPERATING DURING CLOSURE PERIOD

If permission is granted to operate during a closure period listed in Clause 1-25 ACTIVITY TIMINING RESTRICTION or Contract Clause H-130 HAULING SCHEDULE, Purchaser shall provide a maintenance plan to include further protection of state resources. Purchaser shall obtain written approval from the Contract Administrator for the maintenance plan and shall put preventative measures in place before operating during the closure period. Purchaser is required to maintain all haul roads at their own expense including those listed in Contract Clause C-060 DESIGNATED ROAD MAINTAINER.

1-29 SEDIMENT RESTRICTION

Purchaser shall not allow silt-bearing runoff to enter any streams.

1-30 CLOSURE TO PREVENT DAMAGE

In accordance with Contract Clause G-220 STATE SUSPENDS OPERATION, the Contract Administrator will suspend road work or hauling right-of-way timber, forest products, or rock under the following conditions:

- Wheel track rutting exceeds 6 inches on jaw and pit run roads.
- Wheel track rutting exceeds 4 inches on crushed rock roads.
- Wheel track rutting exceeds 8 inches on native surface roads.
- Surface or base stability problems persist.
- Weather is such that satisfactory results cannot be obtained in an area of operations.
- When, in the opinion of the Contract Administrator excessive road damage or rutting may occur.

Operations must stop unless authority to continue working or hauling is granted in writing by the Contract Administrator. In the event that surface or base stability problems persist, Purchaser shall cease operations, or perform corrective maintenance or repairs, subject to specifications within this road plan. Before and during any suspension, Purchaser shall protect the work from damage or deterioration.

1-32 BRIDGE OR ASPHALT SURFACE RESTRICTION

The use of metal tracked equipment is not allowed on bridge or asphalt surfaces at any time. If Purchaser must run equipment on bridge or asphalt surfaces, then rubber tired equipment or other methods, approved in writing by Contract Administrator, must be used.

If tracked equipment is used on bridge or asphalt surfaces, Purchaser shall immediately cease all operations. Purchaser shall remove any dirt, rock, or other material tracked or spilled on the bridge or asphalt surface(s) and have surface(s) evaluated by the Region Engineer or their designee for any damage caused by transporting equipment. Any damage to the surface(s) will be repaired, at the Purchaser’s expense, as directed by the Contract Administrator.

1-33 SNOW PLOWING RESTRICTION

Snowplowing will be allowed after the execution of a SNOW PLOWING AGREEMENT, which is available from the Contact Administrator upon request. If damage occurs while plowing, further permission to plow may be revoked by the Contract Administrator.

1-40 ROAD APPROACHES TO COUNTY ROADS AND STATE HIGHWAYS

Purchaser shall immediately remove any mud, dirt, rock, or other material tracked or spilled on to county roads and state highways.

If additional damage to the surface, signs, guardrails, etc. occurs then the damage will be repaired, at the Purchaser’s expense, as directed by the Contract Administrator when authorized by the county or WSDOT.

SECTION 2 – MAINTENANCE

2-1 GENERAL ROAD MAINTENANCE

Purchaser shall maintain all roads used under this contract in accordance with the FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS for the entire term of this contract. Maintenance is required even during periods of inactivity.

2-2 ROAD MAINTENANCE – PURCHASER MAINTENANCE

Purchaser shall perform maintenance on roads listed in Contract Clause C-050 PURCHASER ROAD MAINTENANCE AND REPAIR in accordance with FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS.

2-3 ROAD MAINTENANCE – DESIGNATED MAINTAINER

Purchaser may be required to perform maintenance on roads listed in Contract Clause C-060 DESIGNATED ROAD MAINTAINER as directed by the Contract Administrator. Purchaser shall maintain roads in accordance with FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS.

2-4 PASSAGE OF LIGHT VEHICLES

Purchaser shall maintain road(s) in a condition that will allow the passage of light administrative vehicles.

2-5 MAINTENANCE GRADING – EXISTING ROAD

On the following road(s), Purchaser shall use a grader to shape the existing surface before rock application. Purchaser shall accomplish all grading using a motor grader with a minimum of 175 horsepower.

<u>Road</u>	<u>Stations</u>	<u>Requirements</u>
Rashford Spur	0+00 to 15+64	Grade, shape, apply specified rock, compact
S-1000	0+00 to 105+48	
S-1010	0+00 to 34+59	
S-8050	0+00 to 19+16	
S-8054	0+00 to 58+48	
S-8054A	0+00 to 21+14	

SECTION 3 – CLEARING, GRUBBING, AND DISPOSAL

3-5 CLEARING

Purchaser shall fall all vegetative material larger than 2 inches DBH or over 5 feet high between the marked right-of-way boundaries or, if not marked in the field, between the clearing limits specified on the TYPICAL SECTION SHEET. Clearing must be completed before starting excavation and embankment.

3-8 PROHIBITED DECKING AREAS

Purchaser shall not deck right-of-way timber in the following areas:

- Within the grubbing limits.
- Within 25 feet of any stream.
- In locations that interfere with the construction of the road prism.
- In locations that impede drainage.
- On slopes greater than 45%.
- Against standing trees.

3-10 GRUBBING

Purchaser shall remove all stumps between the grubbing limits specified on the TYPICAL SECTION SHEET. Purchaser shall also remove stumps with undercut roots outside the grubbing limits. Grubbing must be completed before starting excavation and embankment.

3-12 STUMP PLACEMENT

Purchaser shall place grubbed stumps outside of the grubbing limits, on the downhill side of the road, and in compliance with all other clauses in this road plan.

3-20 ORGANIC DEBRIS DEFINITION

Organic debris is defined as all vegetative material not eligible for removal by Contract Clause G-010 PRODUCTS SOLD AND SALE AREA or G-011 RIGHT TO REMOVE FOREST PRODUCTS AND CONTRACT AREA, that is larger than one cubic foot in volume within the grubbing limits.

3-21 DISPOSAL COMPLETION

Purchaser shall remove organic debris from the road surface, ditchlines, and culvert inlets and outlets. Purchaser shall complete all disposal of organic debris before timber haul.

3-23 PROHIBITED DISPOSAL AREAS

Purchaser shall not place organic debris in the following areas:

- Within 25 feet of a cross drain culvert.
- Within 50 feet of a live stream, or wetland.
- On road subgrades, or excavation and embankment slopes.
- On slopes greater than 45%.
- Within the operational area for cable landings where debris may shift or roll.
- On locations where brush can fall into the ditch or onto the road surface.
- Against standing timber.
- On the uphill side of the road.

3-24 BURYING ORGANIC DEBRIS RESTRICTED

Purchaser shall not bury organic debris unless otherwise stated in this plan.

3-25 SCATTERING ORGANIC DEBRIS

Purchaser shall scatter organic debris outside of the grubbing limits on the downhill side of the road unless otherwise detailed in this road plan or as directed by the Contract Administrator.

SECTION 4 – EXCAVATION

4-2 PIONEERING

Pioneering may not extend past construction that will be completed during the current construction season. In addition, the following actions must be taken as pioneering progresses:

- Drainage must be provided on all uncompleted construction.
- Road pioneering operations may not undercut the final cut slope or restrict drainage.
- Culverts at live stream crossings must be installed during pioneering operations prior to embankment.

4-3 ROAD GRADE AND ALIGNMENT STANDARDS

Purchaser shall follow these standards for road grade and alignment:

- Grade and alignment must have smooth continuity, without abrupt changes in direction.
- Maximum grades may not exceed 18 percent favorable and 12 percent adverse.
- Minimum curve radius is 60 feet at centerline.
- Maximum grade change for sag vertical curves is 12% in 100 feet.
- Maximum grade change for crest vertical curves is 8% in 100 feet.

4-5 CUT SLOPE RATIO

Purchaser shall construct excavation slopes no steeper than shown on the following table:

<u>Material Type</u>	<u>Excavation Slope Ratio</u>	<u>Excavation Slope Percent</u>
Common Earth	1:1	100
Fractured or loose rock	½:1	200
Hardpan or solid rock	¼:1	400

4-6 EMBANKMENT SLOPE RATIO

Purchaser shall construct embankment slopes no steeper than shown on the following table:

<u>Material Type</u>	<u>Embankment Slope Ratio</u>	<u>Embankment Slope Percent</u>
Sandy Soils	2:1	50
Common Earth and Rounded Gravel	1½:1	67
Angular Rock	1¼:1	80

4-7 SHAPING CUT AND FILL SLOPE

Purchaser shall construct excavation and embankment slopes to a uniform line and left rough for easier revegetation.

4-8 CURVE WIDENING

The minimum widening placed on the inside of curves is:

- 6 feet for curves of 50 to 79 feet radius.
- 4 feet for curves of 80 to 100 feet radius.

4-9 EMBANKMENT WIDENING

The minimum embankment widening is:

- 2 feet for embankment heights at centerline of 2 to 6 feet.
- 4 feet for embankment heights at centerline of greater than 6 feet.

Purchaser shall apply embankment widening equally to both sides of the road to achieve the required width.

4-10 WIDEN THE EXISTING SUBGRADE

On the following road(s), Purchaser shall widen the subgrade and fill slopes to the dimensions shown on the TYPICAL SECTION SHEET. If necessary, Purchaser shall reconstruct excavation slopes to provide sufficient width for the road surface and any ditches.

<u>Road</u>	<u>Stations</u>
S-1000B	0+00 to 36+67
S-1000B1	0+00 to 4+60
S-1011	0+00 to 19+11
S-8054A1	0+00 to 14+09

4-21 TURNOUTS

Purchaser shall construct turnouts as designated on the ROCK LIST. Minimum dimensions are shown on the ROCK LIST.

4-22 TURNAROUNDS

Purchaser shall construct turnarounds as designated on the ROCK LIST. Turnarounds must be no larger than 30 feet long and 30 feet wide.

4-25 DITCH CONSTRUCTION AND RECONSTRUCTION

Purchaser shall construct and reconstruct ditches into the subgrade as specified on the TYPICAL SECTION SHEET. Ditches must be constructed concurrently with construction of the subgrade.

4-28 DITCH DRAINAGE

Ditches must drain to cross-drain culverts or ditchouts.

4-29 DITCHOUTS

Purchaser shall construct ditchouts as identified on the CULVERT LIST, as needed, and as directed by the Contract Administrator. Ditchouts must be constructed in a manner that diverts ditch water onto the forest floor and must have excavation backslopes no steeper than a 1:1 ratio.

4-35 WASTE MATERIAL DEFINITION

Waste material is defined as all dirt, rock, mud, or related material that is extraneous or unsuitable for construction material. Waste material, as used in Section 4 EXCAVATION, is not organic debris.

4-38 PROHIBITED WASTE DISPOSAL AREAS

Purchaser shall not deposit waste material in the following areas, except as otherwise specified in this plan:

- Within 25 feet of a cross drain culvert.
- Within 50 feet of a live stream or wetland.
- Within a riparian management zone.
- Within a wetland management zone.
- On side slopes steeper than 45%.
- In locations that interfere with the construction of the road prism.
- In locations that impede drainage.
- Within the operational area for cable landings.
- Against standing timber.
- Outside the clearing limits.
- On the uphill side of the road.

4-48 NATIVE MATERIAL

Native material consists of naturally occurring material that is free of organic debris, trash, and rocks greater than 4 inches in any dimension.

4-55 ROAD SHAPING

Purchaser shall shape the subgrade and surface as shown on the TYPICAL SECTION SHEET. The subgrade and surface shape must ensure runoff in an even, un-concentrated manner, and must be uniform, firm, and rut-free. Purchaser shall accomplish all shaping using a motor grader.

4-56 DRY WEATHER SHAPING

The Contract Administrator may require the application of water to facilitate shaping activities. The method of water application is subject to written approval by the Contract Administrator.

4-60 FILL COMPACTION

Purchaser shall compact all embankment and waste material in accordance with the COMPACTION LIST by routing equipment over the entire width of each lift. Waste material may be placed by end-dumping or sidecasting until sufficiently wide enough to support the equipment.

4-61 SUBGRADE COMPACTION

Purchaser shall compact constructed and reconstructed subgrades in accordance with the COMPACTION LIST by routing equipment over the entire width. Purchaser shall obtain written approval from the Contract Administrator for subgrade compaction before rock application.

4-62 DRY WEATHER COMPACTION

The Contract Administrator may require the application of water to facilitate compaction activities. The method of water application is subject to written approval by the Contract Administrator.

4-63 EXISTING SURFACE COMPACTION

Purchaser shall compact maintained road surfaces in accordance with the COMPACTION LIST by routing equipment over the entire width.

SECTION 5 – DRAINAGE

5-5 CULVERTS

Purchaser shall install culverts as part of this contract. Culverts must be installed concurrently with subgrade work and must be installed before subgrade compaction and rock application. Culvert locations and the minimum requirements for culvert length and diameter are designated on the CULVERT LIST. Culvert, downspout, and flume lengths may be adjusted to fit as-built conditions and may not terminate directly on unprotected soil. Culverts must be new material and meet the specifications in Clauses 10-15 through 10-24.

5-6 CULVERT TYPE

Purchaser shall install culverts made of plastic in accordance with Clauses 10-15 through 10-24.

5-12 UNUSED MATERIALS STATE PROPERTY

On required roads, any materials listed on the CULVERT LIST that are not installed will become the property of the state. Purchaser shall stockpile materials as directed by the Contract Administrator.

5-15 CULVERT INSTALLATION

Culvert installation must be in accordance with the CULVERT AND DRAINAGE SPECIFICATION DETAIL. Culverts shall be banded using lengths of no less than 10 feet, and no more than one length less than 20 feet. Shorter section of banded culvert shall be installed at the inlet end.

5-17 CROSS DRAIN SKEW AND SLOPE

Cross drains, on road grades in excess of 3%, must be skewed at least 30 degrees from perpendicular to the road centerline, except where the cross drain is at the low point in the road culverts will not be skewed. Cross drain culverts must be installed at a slope steeper than the incoming ditch grade, but not less than 3% or more than 10%.

5-18 CULVERT DEPTH OF COVER

All culverts must be installed with a depth of cover of not less than 1 foot of compacted subgrade over the top of the culvert at the shallowest point.

5-20 ENERGY DISSIPATERS

Purchaser shall install energy dissipaters in accordance with the CULVERT AND DRAINAGE SPECIFICATION DETAIL at all culverts on the CULVERT LIST that specify the placement of rock at the outlet. Energy dissipater installation is subject to approval by the Contract Administrator.

The type of energy dissipater and the amount of material must be consistent with the specifications listed on the CULVERT LIST.

5-25 CATCH BASINS

Purchaser shall construct catch basins in accordance with CULVERT AND DRAINAGE SPECIFICATION DETAIL.

5-26 HEADWALLS FOR CROSS DRAIN CULVERTS

Purchaser shall construct headwalls in accordance with the CULVERT AND DRAINAGE SPECIFICATION DETAIL at all cross drain culverts on the CULVERT LIST that specify the placement of rock at the inlet. Rock may not restrict the flow of water into culvert inlets or catch basins. The type and quantity of rock used for headwalls shall be as specified on the CULVERT LIST.

5-33 NATIVE SURFACE ROADS

If overwintered, native surface roads must be waterbarred by November 1. Purchaser shall construct waterbars according to the attached NON-DRIVABLE WATERBAR DETAIL at a maximum spacing that will produce a vertical distance of no more than 10 feet between waterbars or between natural drainage paths, and with a maximum spacing of 100 feet.

SECTION 6 – ROCK AND SURFACING

6-2 ROCK SOURCE ON STATE LAND

Rock used in accordance with the quantities on the ROCK LIST may be obtained from the following source(s) on state land at no charge to the Purchaser. Purchaser shall obtain written approval from the Contract Administrator for the use of material from any other source. If other operators are using, or desire to use the rock source(s), a joint operating plan must be developed. All parties shall follow this plan. Purchaser shall notify the Contract Administrator a minimum of 3 business days before starting any operations in the listed locations.

<u>Source</u>	<u>Location</u>
S-8054A Pit	S36 T6N R4E

6-5 ROCK FROM COMMERCIAL SOURCE

Rock used in accordance with the quantities on the ROCK LIST may be obtained from any commercial source at the Purchaser's expense. Rock sources are subject to written approval by the Contract Administrator before their use.

<u>Possible Source</u>	<u>Phone</u>
Storedahl Mountain Top	360-636-2420

6-10 ROCK SOURCE DEVELOPMENT PLAN BY STATE

Purchaser shall conduct rock source development and use at the following sources, in accordance with the written ROCK SOURCE DEVELOPMENT PLAN prepared by the state and included in this road plan. Upon completion of operations, the rock source must be left in the condition specified in the ROCK SOURCE DEVELOPMENT PLAN and approved in writing by the Contract Administrator. Purchaser shall notify the Contract Administrator a minimum of 3 business days before starting any operations in the rock source.

<u>Source</u>
S-8054A Pit

6-22 FRACTURE REQUIREMENT FOR ROCK

A minimum of 50% by visual inspection of coarse aggregate must have at least one fractured face. Coarse aggregate is the material greater than 1/4-inch in size.

6-23 ROCK GRADATION TYPES

Purchaser shall provide and/or manufacture rock in accordance with the types and amounts listed in the ROCK LIST. Rock must meet the following specifications for gradation and uniform quality when placed in hauling vehicles. The exact point of evaluation for conformance to specifications will be determined by the Contract Administrator. Purchaser shall provide a sieve analysis upon request from the Contract Administrator.

6-28 1 ¼-INCH MINUS CRUSHED ROCK

% Passing 1 ¼" square sieve	100%
% Passing 5/8" square sieve	55 - 75%
% Passing U.S. #4 sieve	20 - 50%

Of the fraction passing the No. 4 sieve, 40% to 60% must pass the No. 10 sieve.

The portion of aggregate retained on the No. 4 sieve may not contain more than 0.2 percent organic debris and trash. All percentages are by weight.

6-37 4-INCH JAW RUN ROCK

% Passing 4" square sieve	95%
% Passing U.S. #40 sieve	16% maximum
% Passing U.S. #200 sieve	5% maximum

The portion of aggregate retained on the No. 4 sieve may not contain more than 0.2 percent organic debris and trash. All percentages are by weight.

6-55 ROCK APPLICATION MEASURED BY COMPACTED DEPTH

Measurement of specified rock depths are defined as the compacted depth(s) using the compaction methods required in this road plan. Estimated quantities specified in the ROCK LIST are loose yards. Purchaser shall apply adequate amounts of rock to meet the specified rock depths. Specified rock depths are minimum requirements and are not subject to reduction. Unless otherwise stated in Clause 6-75 OPTIONAL ROCK EXCEPTION.

6-56 ROCK MEASUREMENT BY TRUCK VOLUME

Measurement of Spot, Culvert, Turnout, Turnaround, and Landing rock is on a cubic yard truck measure basis. Purchaser shall measure each truck box before rock hauling. An average of such volumes for each truck will be used to tally the volume hauled. The Contract Administrator may periodically require that a load be flattened off and its volume calculated. Purchaser shall maintain load tally sheets for each truck and shall give them to the Contract Administrator on a weekly basis during rocking operations.

6-70 APPROVAL BEFORE ROCK APPLICATION

Purchaser shall obtain written approval from the Contract Administrator for shaping and compaction before rock application.

6-71 ROCK APPLICATION

Purchaser shall apply rock in accordance with the specifications and quantities shown on the ROCK LIST. Rock must be spread, shaped, and compacted full width concurrent with rock hauling operations. Road surfaces must be compacted in accordance with the COMPACTION LIST by routing equipment over the entire width.

6-73 ROCK FOR WIDENED PORTIONS

Purchaser shall apply rock to turnarounds, turnouts, and areas with curve widening to the same depth and specifications as the traveled way.

6-75 OPTIONAL ROCK EXCEPTION

On the following roads, if hauling takes place from May 1 to September 30 Purchaser may provide and place less rock than shown on the ROCK LIST, when approved in writing by the Contract Administrator.

If less rock is applied, Purchaser shall submit a written plan, for approval, describing how these roads will be constructed, used, maintained, and treated post-haul. Purchaser shall meet post-haul specifications in Section 9 POST-HAUL ROAD WORK, the FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS, or other conditions of the approved plan.

<u>Road</u>	<u>Stations</u>
S-1000B	36+67 to 47+74
S-1000B1	0+00 to 4+60
S-1011	0+00 to 19+11
S-8054A1	0+00 to 14+09
S-8054B	0+00 to 5+15

6-76 DRY WEATHER ROCK COMPACTION

The Contract Administrator may require the application of water to facilitate compaction of the rock surfacing. The method of water application is subject to approval by the Contract Administrator.

SECTION 8 – EROSION CONTROL

8-2 PROTECTION FOR EXPOSED SOIL

Purchaser shall provide and evenly spread a 4-inch layer of straw to all exposed soils within 50 feet of a stream or wetland.

8-15 REVEGETATION

Purchaser shall spread grass seed on all exposed soils resulting from road work activities. Other methods of covering must be approved in writing by the Contract Administrator. Required seed not spread by the termination of this contract will become the property of the state.

<u>Road</u>	<u>Location</u>	<u>Qty (lbs)*</u>	<u>Comments</u>
S-1000B	0+00 to 36+67	84	Reconstruction
S-1000B	36+67 to 47+74	51	Construction
S-1000B	25+64 to 47+74	51	Abandonment
S-1000B1	0+00 to 4+60	11	Reconstruction
S-1011	0+00 to 19+11	44	Reconstruction
S-8054A1	0+00 to 14+09	32	Reconstruction
S-8054B	0+00 to 5+15	24	Construction

*Quantities are estimates only. Actual quantities may vary and are the responsibility of the Purchaser.

8-16 REVEGETATION SUPPLY

The Purchaser shall provide the grass seed.

8-17 REVEGETATION TIMING

Purchaser shall revegetate during the first available opportunity after road work is completed.

8-25 GRASS SEED

Purchaser shall evenly spread the seed mixture listed below on all exposed soil at a rate of 50 pounds per acre of exposed soil. Grass seed must meet the following specifications:

1. Weed seed may not exceed 0.5% by weight.
2. All seed species must have a minimum 90% germination rate, unless otherwise specified.
3. Seed must be certified.
4. Seed must be furnished in standard containers showing the following information:
 - a. Common name of seed
 - b. Net weight
 - c. Percent of purity
 - d. Percentage of germination
 - e. Percentage of weed seed and inert material
5. Seed must conform to the following mixture unless a comparable mix is approved in writing by the Contract Administrator.

<u>Kind and Variety of Seed in Mixture</u>	<u>% by Weight</u>
Perennial Rye	35-45
Red Fescue	30-40
Highland Bent	5-15
White Clover	10-20
Inert and Other Crop	0.5

SECTION 9 – POST-HAUL ROAD WORK

9-1 EARTHEN BARRICADES

Purchaser shall construct barricades in accordance with the EARTHEN BARRICADE DETAIL.

<u>Road</u>	<u>Stations</u>
S-1000B	25+64

9-3 CULVERT MATERIAL REMOVED FROM STATE LAND

Culverts removed from roads become the property of the Purchaser and must be removed from state land.

9-5 POST-HAUL MAINTENANCE

Purchaser shall perform post-haul maintenance in accordance with the FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS.

9-10 LANDING DRAINAGE

Purchaser shall provide for drainage of the landing surface.

9-21 ROAD ABANDONMENT

Purchaser shall abandon the following roads before the termination of this contract.

<u>Road</u>	<u>Stations</u>
S-1000B	25+64 to 47+74

9-22 ABANDONMENT

- Construct non-drivable waterbars according to the attached NON-DRIVABLE WATERBAR DETAIL at a maximum spacing that will produce a vertical drop of no more than 10 feet between waterbars or between natural drainage paths and with a maximum spacing of 100 feet, or as marked in the field.
- Skew waterbars at least 30 degrees from perpendicular to the road centerline on roads in excess of 3 percent grade.
- Key waterbars into the cut-slope to intercept the ditch. Waterbars must be outsloped to provide positive drainage. Outlets must be on stable locations.
- Remove ditch cross drain culverts and leave the resulting trench open.
- Slope all trench walls and approach embankments no steeper than 1.5:1.
- Apply grass seed concurrently with abandonment and in accordance with Section 8 EROSION CONTROL.
- Cover, concurrently with abandonment, all exposed soils within 50 feet of any live stream, with a 4-inch deep layer of straw.

SECTION 10 MATERIALS

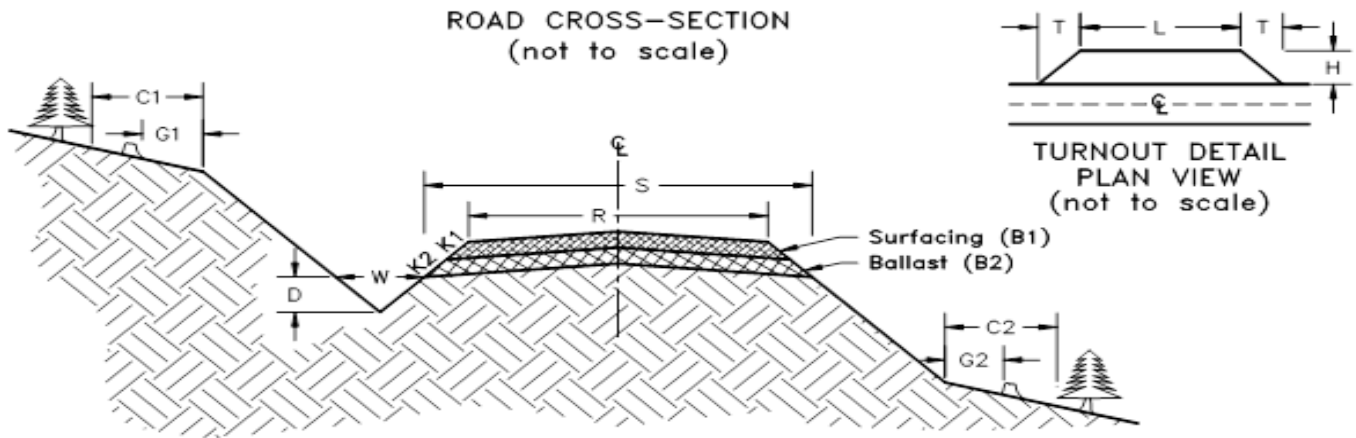
10-17 CORRUGATED PLASTIC CULVERT

Polyethylene culverts must meet AASHTO M-294 specifications, or ASTM F-2648 specifications for recycled polyethylene. Culverts must be Type S – double walled with a corrugated exterior and smooth interior.

10-22 PLASTIC BAND

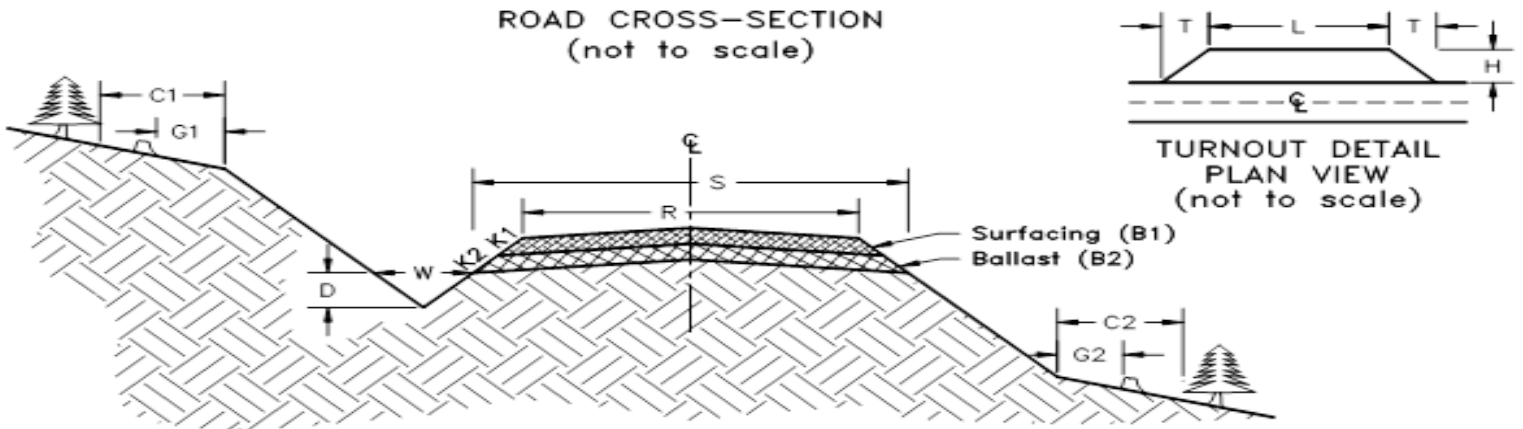
Plastic coupling and end bands must meet the AASHTO specification designated for the culvert. Only fittings supplied or recommended by the culvert manufacturer may be used. Couplings must be split coupling band. Split coupling bands must have a minimum of four corrugations, two on each side of the pipe joint.

TYPICAL SECTION SHEET



Road Name	From Station	To Station	Tolerance Class	Width (ft)		Ditch (ft)		Crown (%)	Grubbing Limits (ft)		Clearing Limits (ft)	
				Subgrade S	Road R	Width W	Depth D		G1	G2	C1	C2
Rashford Spur	0+00	15+64	A	-	12	-	-	4	-	-	-	-
S-1000	0+00	105+48	A	-	12	-	-	4	-	-	-	-
S-1000B	0+00	36+67	B	16	12	3	1	4	5	5	10	10
S-1000B	36+67	47+74	C	17	12	3	1	4	5	5	10	10
S-1000B1	0+00	4+60	B	16	12	3	1	4	5	5	10	10
S-1010	0+00	34+59	A	-	12	-	-	4	-	-	-	-
S-1011	0+00	19+11	B	16	12	3	1	4	5	5	10	10
S-8050	0+00	19+16	A	-	12	-	-	4	-	-	-	-
S-8054	0+00	58+48	A	-	12	-	-	4	-	-	-	-
S-8054A	0+00	21+14	A	-	12	-	-	4	-	-	-	-
S-8054A1	0+00	14+09	B	16	12	3	1	4	5	5	10	10
S-8054B	0+00	5+15	C	17	12	3	1	4	5	5	10	10

ROCK LIST
(Page 1 of 2)



1 1/4-INCH CRUSHED ROCK

Road	From	To	Rock Slope	Compacted			CY Subtotal	Rock Source	Turnout (ft)		
				Rock Depth (in)	CY/Station	No. Stations			L	H	T
Rashford Spur	0+00	15+64	-	Spot Rock			27				
S-1000	0+00	105+48	-	Spot Rock			181				
S-1000	Culvert	-	-	-	-	-	30				
S-1010	0+00	34+59	-	Spot Rock			59				
S-8050	0+00	19+16	-	Spot Rock			33				
S-8054	0+00	58+48	-	Spot Rock			101				
S-8054A	0+00	21+14	-	Spot Rock			36				
S-8054	Culvert	-	-	-	-	-	30				

REQUIRED 1 1/4-INCH CRUSHED ROCK TOTAL 497 Cubic Yards

ROCK LIST
(Page 2 of 2)

4-INCH JAW RUN ROCK

Road	From	To	Rock		Compacted		CY/ Station	No. Stations	CY Subtotal	Rock		Turnout (ft)		
			Slope	Depth (in)	Source	S-8054A Pit				L	H	T		
S-1000	-	Culvert	-	-	-	-	-	-	2					
S-1000B	-	0+00	36+67	1-1/2:1	12	63	36.67	2311						
S-1000B	-	Curve widening	-	-	-	-	-	70						
S-1000B	-	Turnout	1	-	-	-	-	35			50	10	25	
S-1000B	-	Culvert	-	-	-	-	-	14						
S-1000B	*	36+67	47+74	1-1/2:1	18	100	11.07	1107						
S-1000B	*	Curve widening	-	-	-	-	-	34						
S-1000B	*	Turnaround	(1)	-	-	-	-	63						
S-1000B	*	Landing	(1)	-	-	-	-	100						
S-1000B	*	Culvert	-	-	-	-	-	6						
S-1000B1	*	0+00	4+60	1-1/2:1	12	63	4.60	290						
S-1000B1	*	Curve widening	-	-	-	-	-	9						
S-1000B1	*	Turnaround	(1)	-	-	-	-	42						
S-1000B1	*	Landing	(1)	-	-	-	-	63						
S-1000B1	*	Culvert	-	-	-	-	-	2						
S-1011	*	0+00	19+11	1-1/2:1	12	63	19.11	1204						
S-1011	*	Curve widening	-	-	-	-	-	37						
S-1011	*	Turnaround	(1)	-	-	-	-	42						
S-1011	*	Landing	(1)	-	-	-	-	63						
S-1011	*	Culvert	-	-	-	-	-	8						
S-8054	-	Culvert	-	-	-	-	-	2						
S-8054A1	*	0+00	14+09	1-1/2:1	12	63	14.09	888						
S-8054A1	*	Curve widening	-	-	-	-	-	27						
S-8054A1	*	Turnaround	(1)	-	-	-	-	42						
S-8054A1	*	Landing	(1)	-	-	-	-	63						
S-8054A1	*	Culvert	-	-	-	-	-	6						
S-8054B	*	0+00	5+15	1-1/2:1	18	100	5.15	515						
S-8054B	*	Curve widening	-	-	-	-	-	16						
S-8054B	*	Turnaround	(1)	-	-	-	-	63						
S-8054B	*	Landing	(1)	-	-	-	-	100						

OPTIONAL 4-INCH JAW RUN ROCK SUBTOTAL	<u>4790</u>	Cubic Yards
REQUIRED 4-INCH JAW RUN ROCK SUB'TOTAL	<u>2434</u>	Cubic Yards
4-INCH JAW RUN ROCK TOTAL	<u>7224</u>	Cubic Yards

* Optional rock, see Road Plan Clause 6-75

CULVERT LIST

Road		Culvert	Length (ft)	Erosion rock			Bedding/backfill		Remarks
Name	Station	Diameter (in)	Culvert	Inlet (CY)	Outlet (CY)	Type	(CY)	Type	
S-1000	101+53	18	40	1	1	JR	30	CR	Cross drain, S-1000B intersection
S-1000B	5+52	18	30	1	1	JR	-	NT	Cross drain, sag
S-1000B	9+29	18	30	1	1	JR	-	NT	Cross drain, sag
S-1000B	18+69	18	30	1	1	JR	-	NT	Cross drain, sag
S-1000B	21+34	-	-	-	-	-	-	-	DOL
S-1000B	22+95	-	-	-	-	-	-	-	DOR
S-1000B	25+64	18	40	1	1	JR	-	NT	Cross drain, S-1000B1 intersection
S-1000B	28+80	18	30	1	1	JR	-	NT	Cross drain
S-1000B	30+99	18	30	1	1	JR	-	NT	Cross drain
S-1000B	34+04	18	30	1	1	JR	-	NT	Cross drain
S-1000B	36+67	18	30	1	1	JR	-	NT	Cross drain
S-1000B	40+06	18	30	1	1	JR	-	NT	Cross drain
S-1000B	43+11	18	30	1	1	JR	-	NT	Cross drain, sag
S-1000B1	1+77	18	30	1	1	JR	-	NT	Cross drain
S-1011	5+65	18	30	1	1	JR	-	NT	Cross drain
S-1011	8+97	18	30	1	1	JR	-	NT	Cross drain, sag
S-1011	13+08	18	30	1	1	JR	-	NT	Cross drain
S-1011	14+94	18	30	1	1	JR	-	NT	Cross drain, sag
S-8054A1	2+34	18	30	1	1	JR	-	NT	Cross drain, sag
S-8054A1	7+24	18	30	1	1	JR	-	NT	Cross drain
S-8054A1	13+09	18	30	1	1	JR	-	NT	Cross drain, sag
S-8054	55+46	18	40	1	1	JR	30	CR	Cross drain, S-8054B intersection

Key

CR- 1 1/4-INCH MINUS CRUSHED ROCK

JR- 4-INCH JAW RUN ROCK

NT- NATIVE MATERIAL

DOL- Ditchout left

DOR- Ditchout right

COMPACTION LIST

				<u>Maximum</u>				<u>Maximum</u>	<u>Maximum</u>
				<u>Depth</u>		<u>Equipment</u>	<u>Minimum</u>	<u>Operating</u>	<u>Amount of</u>
<u>Road</u>	<u>From</u>	<u>To</u>		<u>Per Lift</u>	<u>Equipment</u>	<u>Weight</u>	<u>Number</u>	<u>Speed</u>	<u>Deflection</u>
<u>Name</u>	<u>Station</u>	<u>Station</u>	<u>Type</u>	<u>(inches)</u>	<u>Type</u>	<u>(pounds)</u>	<u>of Passes</u>	<u>(MPH)</u>	<u>(inches)</u>
All	-	-	Existing Surface	-	Vibratory Smooth Drum	20000	5	3	1
All	-	-	Subgrade	-	Vibratory Smooth Drum	20000	4	3	1
All	-	-	Embankment	12	Excavation	30000	4	3	2
All	-	-	Fill	24	Excavation	30000	4	3	2
All	-	-	Rock	-	Vibratory Smooth Drum	20000	5	3	1
All	-	-	Waste Area	24	Excavation	30000	-	-	4

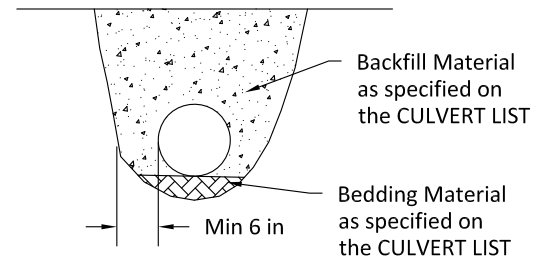
CULVERT AND DRAINAGE SPECIFICATION DETAIL
PAGE 1 OF 2

INSTALLATION REQUIREMENTS:

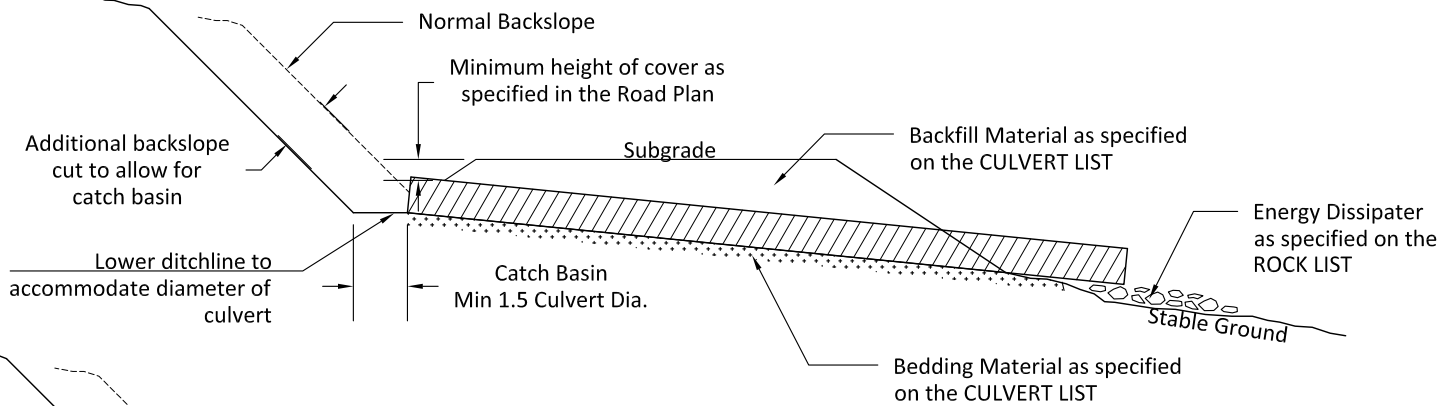
1. Proper preparation of foundation and placement of any required bedding material shall precede the installation of all culverts. This includes necessary leveling of the native trench bottom and compaction of required bedding material to form a uniform, dense, unyielding base. The pipe must be uniformly supported along the barrel.
2. Backfill material shall be compacted under the culvert haunches, around the sides, and above the culvert in accordance with the COMPACTION LIST.

ALL DRAWINGS ARE NOT TO SCALE

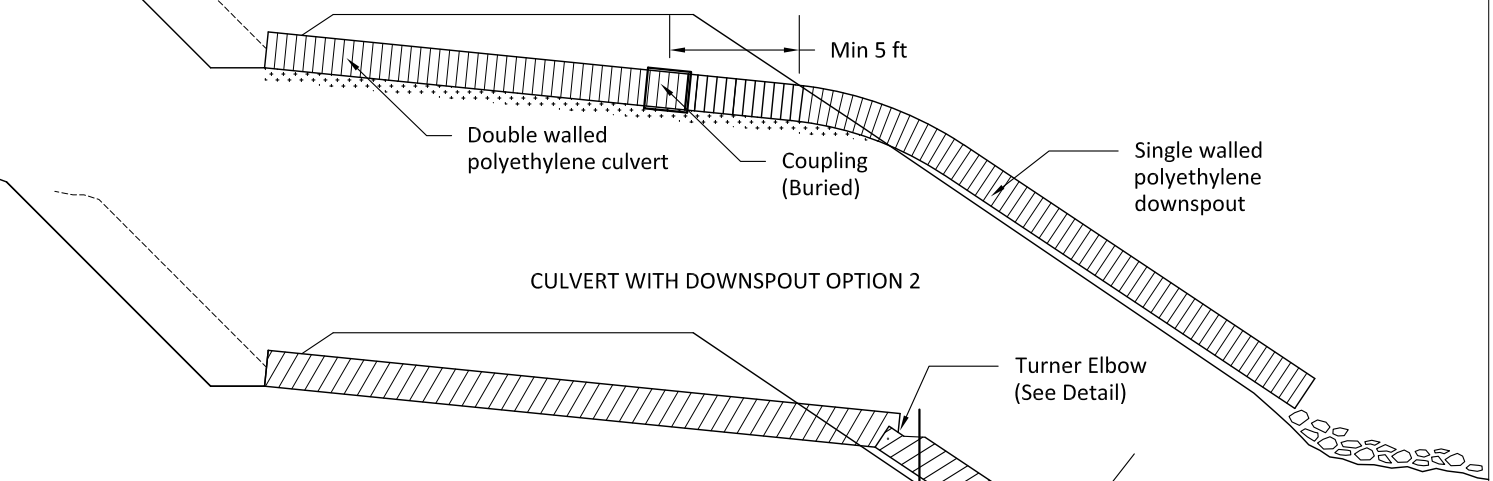
CROSS SECTION



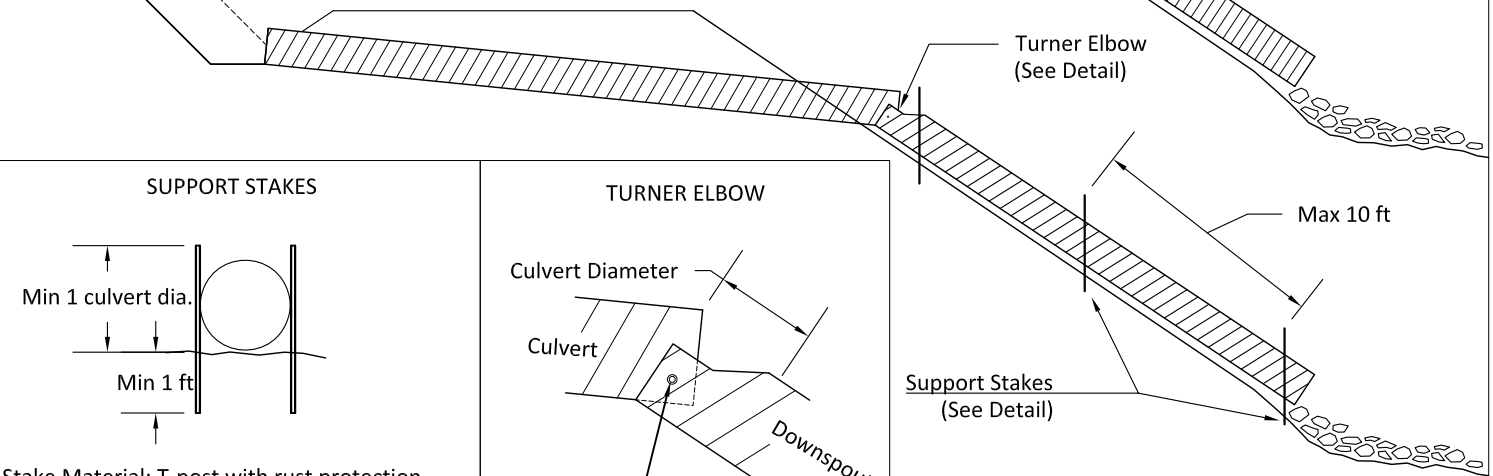
CULVERT PROFILE (TYPICAL)



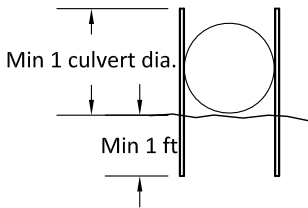
CULVERT WITH DOWNSPOUT OPTION 1



CULVERT WITH DOWNSPOUT OPTION 2

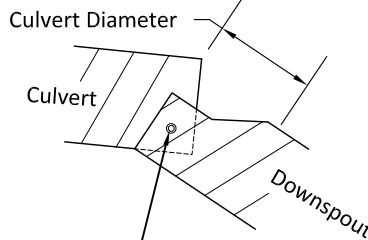


SUPPORT STAKES



Stake Material: T-post with rust protection coating.
Connections: Bolt support stakes to the culvert with $\frac{5}{8}$ " u-bolts, with washers on both the inside and outside of the culvert.
Alternative staking methods may be approved, in writing, by the Contract Administrator.

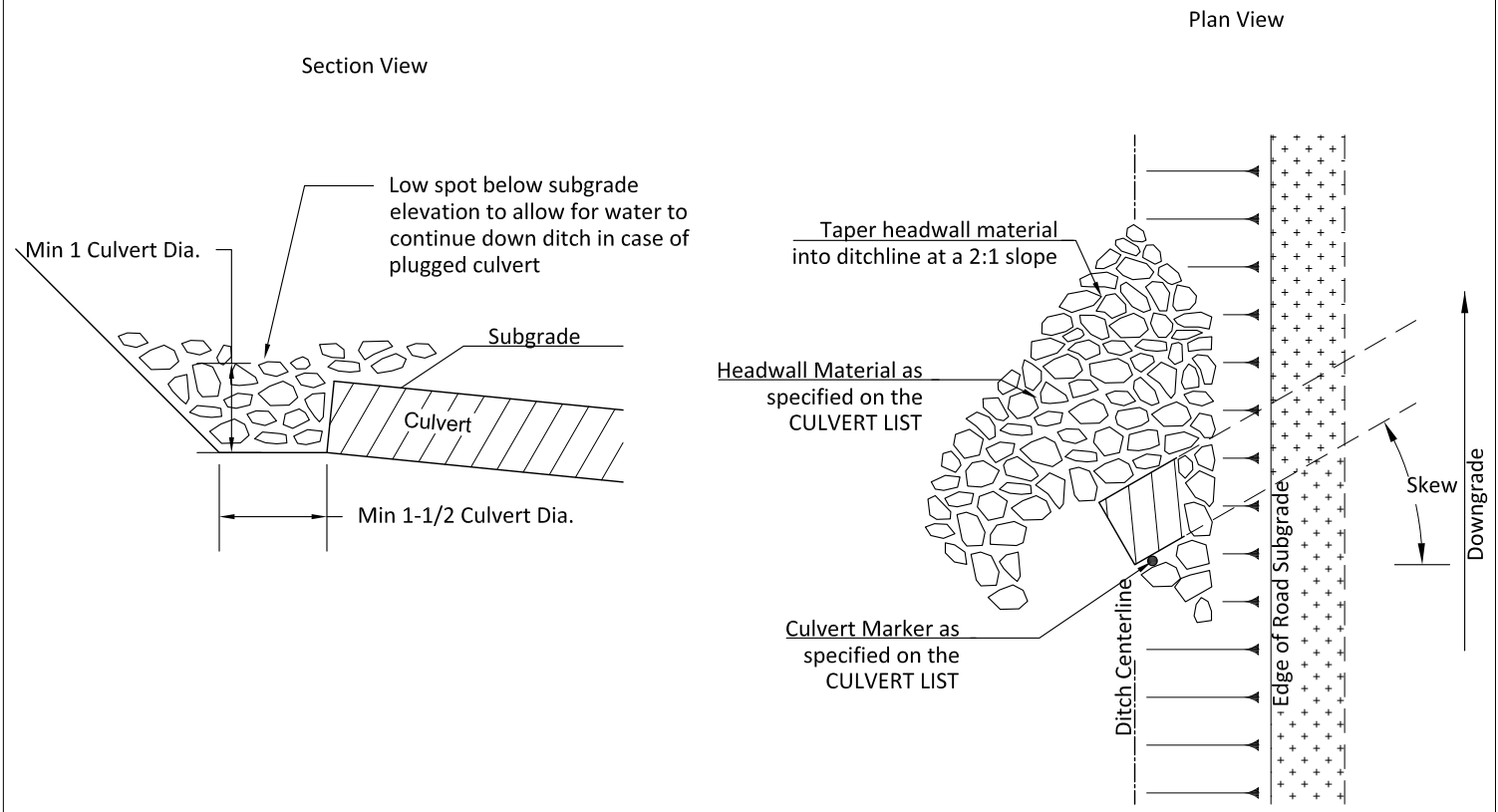
TURNER ELBOW



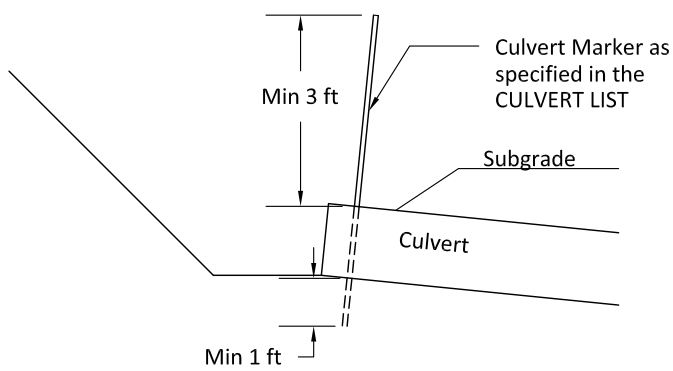
Bolted with $\frac{5}{8}$ " galvanized bolts and washers (both sides)
Downspout must be 6 inches larger in diameter than the culvert.

CULVERT AND DRAINAGE SPECIFICATION DETAIL
PAGE 2 OF 2

HEADWALLS

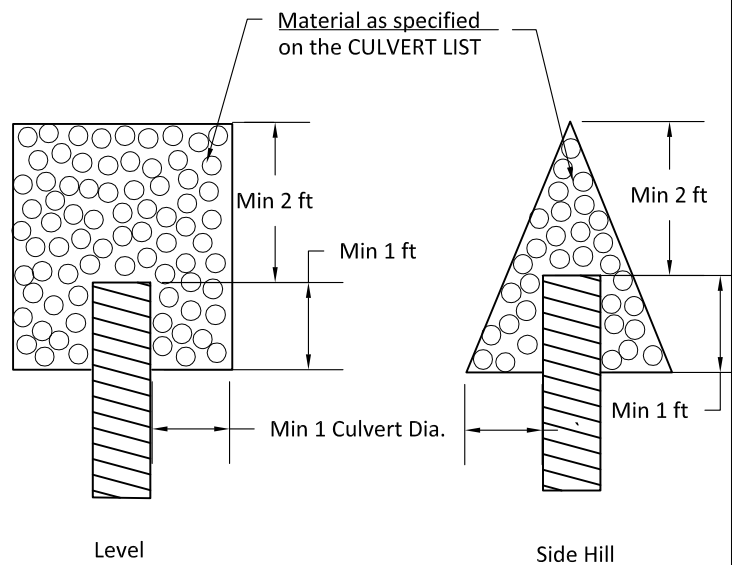


CULVERT MARKERS



Culvert Marker Material: 1 Inch I.D., Schedule 40 PVC Pipe, White. Marker must be capped on the top.
 Culvert Marker Placement: Place on uphill side of culvert, between corrugations if possible.
 Alternative culvert marker types may be approved, in writing, by the Contract Administrator.

ENERGY DISSIPATORS



Min Energy Dissipater Depth: 1 Culvert Dia.

FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS

Page 1 of 2

Cuts and Fills

- Maintain slope lines to a stable gradient compatible with the construction materials. Remove slides from ditches and the roadway. Repair fill-failures with selected material or material approved by the Contract Administrator. Remove overhanging material from the top of cut slopes.
- Waste material from slides or other sources shall be placed and compacted in stable locations identified in the road plan or approved by the Contract Administrator, so that sediment will not deliver to any streams or wetlands.
- Slide material and debris shall not be mixed into the road surface materials, unless approved by the Contract Administrator.

Surface

- Grade and shape the road surface, turnouts, and shoulders to the original shape on the TYPICAL SECTION SHEET to provide a smooth, rut-free traveled surface and maintain surface water runoff in an even, unconcentrated manner.
- Blading shall not undercut the backslope or cut into geotextile fabric on the road.
- If required by the Contract Administrator, water shall be applied as necessary to control dust and retain fine surface rock.
- Surface material shall not be bladed off the roadway. Replace surface material when lost or worn away, or as directed by the Contract Administrator.
- Remove shoulder berms, created by grading, to facilitate drainage, except as marked or directed by the Contract Administrator.
- For roads with geotextile fabric: spread surface aggregate to fill in soft spots and wheel ruts (barrel spread) to prevent damage to the geotextile fabric.

Drainage

- Prevent silt bearing road surface and ditch runoff from delivering sediment to any streams or wetlands.
- Maintain rolling dips and drivable waterbars as needed to keep them functioning as intended.
- Maintain headwalls to the road shoulder level with material that will resist erosion.
- Maintain energy dissipaters at culvert outlets with non-erodible material or rock.
- Keep ditches, culverts, and other drainage structures clear of obstructions and functioning as intended.
- Inspect and clean culverts at least monthly, with additional inspections during storms and periods of high runoff. This shall be done even during periods of inactivity.

FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS

Page 2 of 2

Preventative Maintenance

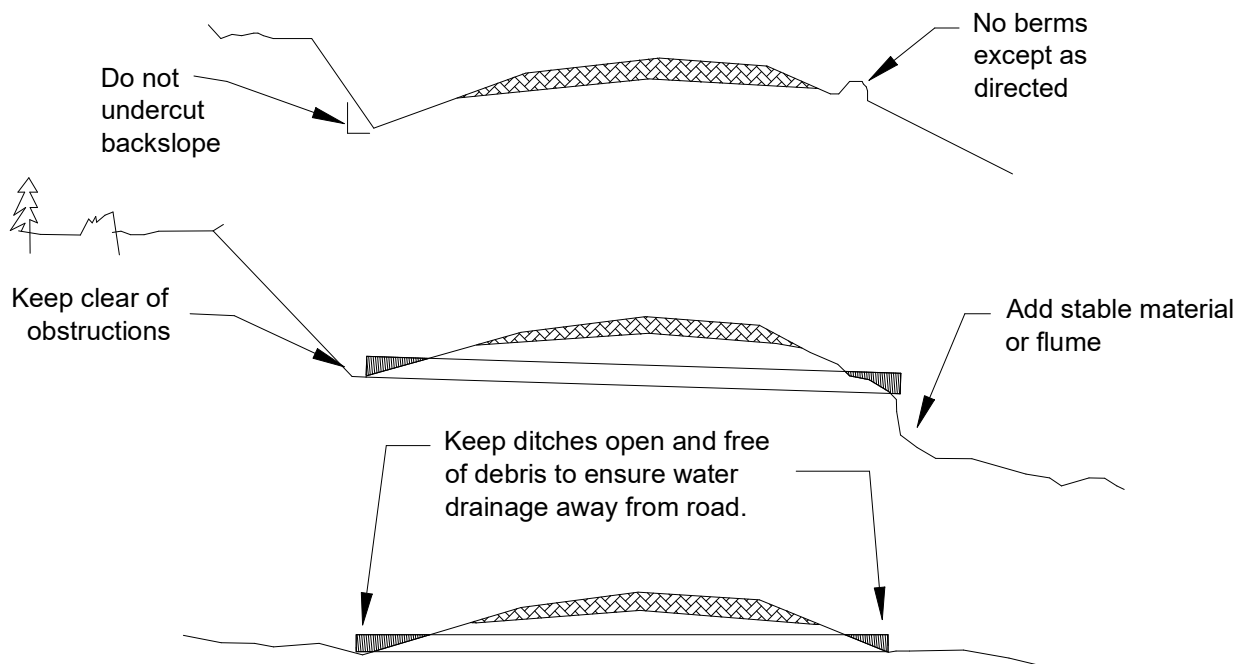
- Perform preventative maintenance work to safeguard against storm damage, such as blading to ensure correct runoff, ditch and culvert cleaning, and waterbar maintenance.

Termination of Use or End of Season

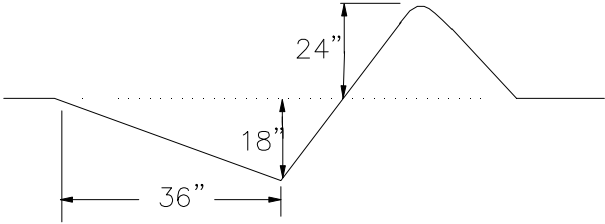
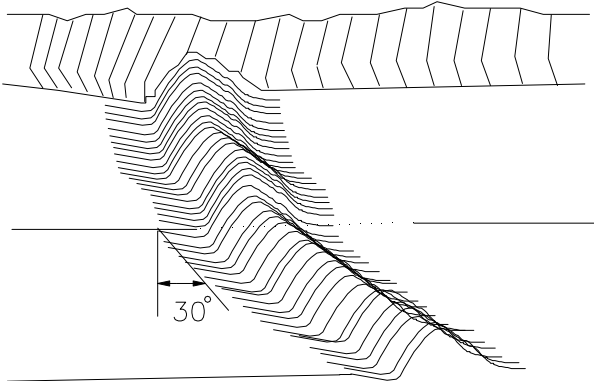
- At the conclusion of logging operations, ensure all conditions of these specifications have been met.

Debris

- Remove fallen timber, limbs, and stumps from the slopes, roadway, ditchlines, and culvert inlets.



NON-DRIVABLE WATER BAR DETAIL



STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

DABBLER ROCK SOURCE DEVELOPMENT PLAN
S-8054A Pit
Page 1 of 3

1. Mining shall be within the Mining Area as shown on the MAP.
2. Vegetation shall be cleared a minimum of $\frac{3}{4}$ tree height beyond the top of the overburden top of cut.
3. Stumps shall be grubbed a minimum of 5 feet beyond the top of the overburden top of cut.
4. Overburden shall be stripped to rock a minimum of 5 feet beyond the top of all pit faces and sloped no steeper than a 1:1 to daylight.
5. The Operator shall submit an informational drilling and shooting plan to the Contract Administrator prior to any drilling. (Form #M-126PAC)
6. Drilling and rock extraction may begin when the Contract Administrator has approved the clearing and grubbing, overburden removal, and informational drilling and shooting plan.
7. Pit faces shall not exceed 30 feet in height. Faces shall be sloped at $\frac{1}{4}$:1. Working bench width shall be a minimum of 20 feet.
8. The pit floor shall have continuity of slope and be left in a smooth and neat condition, providing drainage at a minimum of 2 percent. All knobs, bumps, or extrusions shall be removed to the designated floor level by excavation or drill and shoot techniques.
9. No sediment shall enter live water.
10. The location and amount of material to be placed in a temporary stockpile are subject to approval of the Contract Administrator. All stockpiled material shall be maintained in a neat and useable condition.
11. Oversize material remaining in the pit at the conclusion of use shall not exceed 5 percent of the total volume mined during that operation. Oversize material is defined as rock fragments larger than two feet in any direction. At the conclusion of operations, all remaining oversize material shall be placed as directed by the Contract Administrator.
12. All operations shall be carried out in compliance with all regulations of:
 - a. Regulations and Standards Applicable to Metal and Nonmetal Mining and Milling Operations (30 CFR) U.S. Department of Labor, Mine Safety and Health Administration.
 - b. "Safety Standards for Construction Work" (296-155 WAC), Washington Department of Labor and Industries.

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

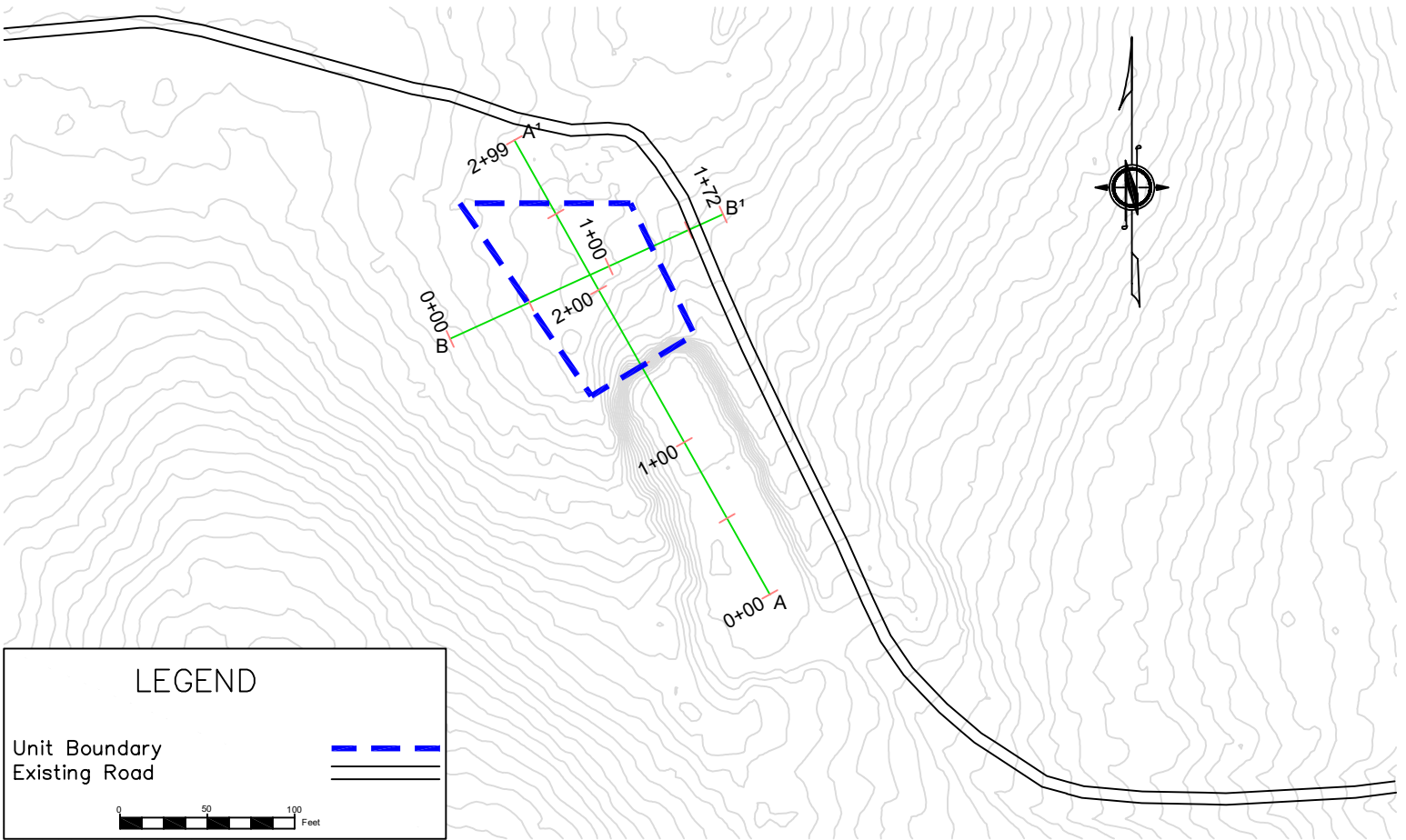
DABBLER ROCK SOURCE DEVELOPMENT PLAN
S-8054A Pit
Page 2 of 3

13. At the end of operations, pit faces and walls shall be scaled and cleared of loose and overhanging material; benches shall have safety berms constructed or access blocked to highway vehicles. Upon completion of operations in the pit, the area will be left in a condition that will not endanger public safety, damage property, or be hazardous to animal or human life.
14. All exposed soil in the waste area shall be revegetated in accordance with ROAD PLAN clause 8-15 through 8-25.
15. The pit area shall be worked and left in a condition that future operations may proceed in an orderly manner.
16. Upon completion of operations, the site shall be cleared of all temporary structures and left in a neat and presentable condition. Access shall be blocked with rip rap as directed by the Contract Administrator.
17. At the completion of rock source operations, the Contractor shall obtain written approval of final rock source condition and compliance with the terms of this plan.

DABBLER ROCK SOURCE DEVELOPMENT PLAN

S-8054A Pit

Page 3 of 3



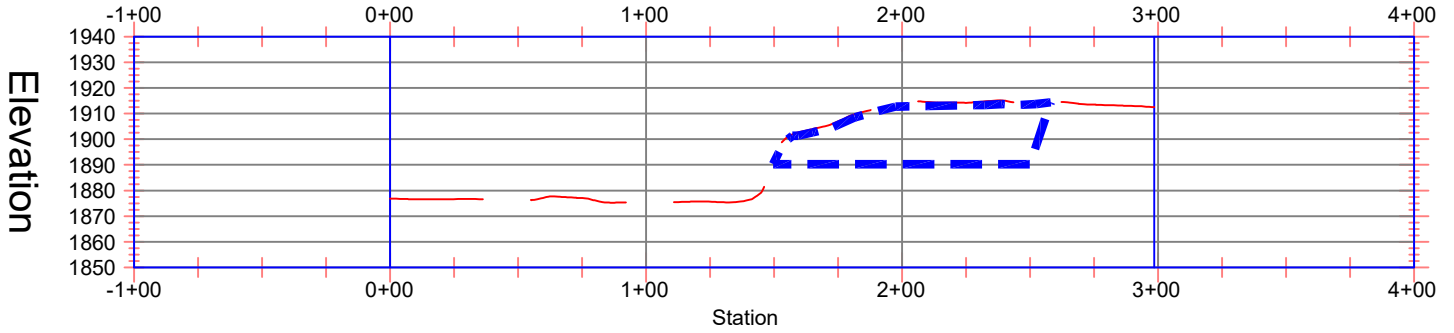
LEGEND

Unit Boundary
Existing Road



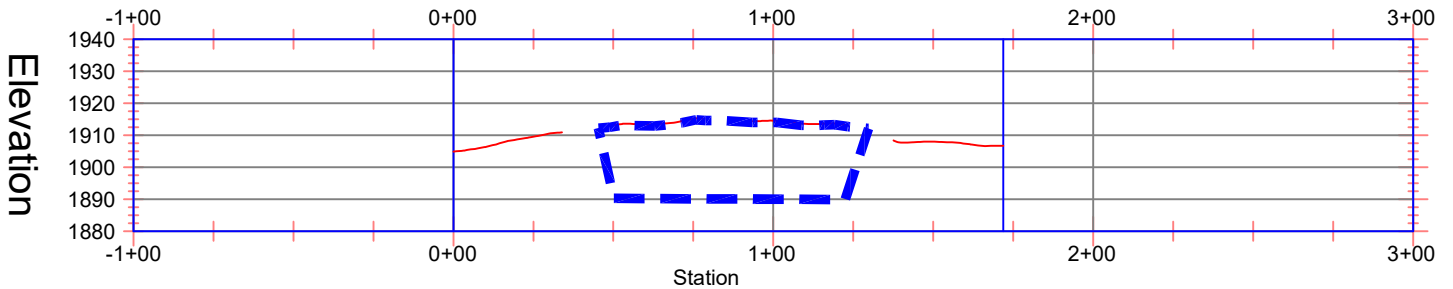
CROSS SECTION PROFILE

Not to Scale
A - A'



CROSS SECTION PROFILE

Not to Scale
B - B'



STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES
PACIFIC CASCADE REGION

INFORMATIONAL BLASTING PLAN

Timber Sale/Project Name: _____ App./Project No.: _____

1. Blaster-in-Charge: Name: _____

Company: _____

Address: _____

Telephone: _____

2. Quarry Name/Location: _____

3. Total Estimated Cubic Yards in Blast (loose): _____

4. Hole Spacing: _____

5. Burden: _____

6. Hole Diameter: _____

7. Hole Depth: _____

8. Sub Drill: _____

9. Number of Holes: _____

10. Stemming Depth: _____

11. Explosive (mfg., name, density, %, V.O.D.): _____

12. Type and Size of Primer (if applicable): _____

13. Total Weight of Primers for Shot: _____

14. Calculated Powder Factor/Cubic Yard: _____

15. Number of Delays (in M.S.): _____

M-126PAC (03/04)

INFORMATIONAL BLASTING PLAN

Page 2 of 3

16. Number of Holes Fired on Each Delay: _____

17. Total Amount of Explosives Fired on Each Delay: _____

18. Type of Blasting Machine: _____

19. Date, Start Drilling: _____

20. Date and Time, Start Loading: _____

21. Date and Time of Blast (approx.): _____

INFORMATIONAL BLASTING PLAN

Page 3 of 3

22. Detail drawing of delay system (show hole pattern and delays in milliseconds). Attach additional sheets if required:

23. Typical cross-section of hole (show primer, main charge, sub drill, and stemming):

23. Submitted by: _____ Date: _____

24. Received by: _____ Date: _____

Note: Attach copies of manufacturer=s data sheet(s) for explosive and caps.

M-126PAC (03/04)

SUMMARY Road Development Estimate
 REGION Pacific Cascade
 DISTRICT St Helens

SALE/PROJECT NAME Dabblers

AGREEMENT NO. 30-106156

ROAD NAME	S-1000B, S-8054B	S-1000B, S-1000B1, S-1011, S-8054A1	Rashford Spur, S-1000, S-1010, S-8050, S-8054, S-8054A
ROAD STANDARD	Construction	Reconstruction	Maintenance
NUMBER OF STATIONS	16+22	74+47	254+49
CLEARING & GRUBBING	\$ 5,028	\$ 17,671	\$ -
EXCAVATION AND FILL	\$ 8,852	\$ 20,279	\$ -
MISC. MAINTENANCE	\$ 271	\$ 622	\$ 8,252
ROAD ROCK	Optional	\$ 49,996	\$ -
	Required	\$ -	\$ 16,976
	Total	\$ 49,996	\$ 16,976
ROCK STOCKPILE PROD	\$ -	\$ -	\$ -
CULVERTS AND FLUMES	\$ 1,880	\$ 9,782	\$ 1,672
STRUCTURES	\$ -	\$ -	\$ -
MOBILIZATION	\$ 3,033	\$ 3,033	\$ 3,033
TOTAL COSTS	\$ 69,061	\$ 177,164	\$ 29,933
COST PER STATION	\$ 4,258	\$ 2,379	\$ 117.62
ROAD DEACTIVATION & ABANDONMENT COSTS		\$ 6,316	

TOTAL (All Roads) \$282,474
TOTAL (Minus Optional Rock) \$170,114
SALE VOLUME MBF 6050
TOTAL \$/MBF \$ 46.69
TOTAL \$/MBF (Minus Optional Rock) \$ 28.12

ESTIMATED BY Brett Wallachy

ROCK SOURCE SUMMARY

SALE/PROJECT NAME Dabbler
CONTRACT # 30-106156

PIT NAME S-8054A Pit
LOCATION S36 T6N R4E

ASSUMED COMMERCIAL SOURCE Storedahl Mountain Top
ASSUMED ROCK SWELL FACTOR LOOSE/COMPACTED 1.25
ASSUMED ROCK DENSITY TONS/CY 1.3

MOBILIZATION

SALE/PROJECT NAME Dabbler

CONTRACT # 30-106156

PRE-HAUL/CONSTRUCTION EQUIPMENT

MOBILIZATION

Grader	\$ 1,000	each x 1	\$ 1,000
Loader	\$ 1,000	each x 1	\$ 1,000
Dump truck	\$ 100	each x 6	\$ 600
Dozer, small	\$ 500	each x 1	\$ 500
Dozer, large	\$ 1,000	each x 1	\$ 1,000
Excavator, small	\$ 500	each x 1	\$ 500
Excavator, large	\$ 1,000	each x 1	\$ 1,000
Roller	\$ 500	each x 1	\$ 500
Rock drill	\$ 1,000	each x 1	\$ 1,000
Jaw	\$ 2,000	each x 1	\$ 2,000
Jaw & cone	\$ 4,000	each x 0	\$ -

MOBILIZATION TOTAL \$ 9,100

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
CONTRACT # 30-106156
ROAD NAME Rashford Spur

Required pre-haul maintenance (stations) 15+64
Distance to commercial rock source (miles) 15.6

REQUIRED PRE-HAUL MAINTENANCE

MISC. MAINTENANCE

Maintenance grading	\$	18.03	per station x	15.64	\$	282
Maintenance rolling	\$	14.39	per station x	15.64	\$	225

ROAD ROCK

REQUIRED						
1 1/4-INCH MINUS CRUSHED ROCK	\$	13.57	per CY x	27	\$	365
Rock haul	\$	165.00	per hour x	3.3 round trip haul (miles)	31.50	\$ 540

TOTAL ROAD COST \$ 1,411

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
CONTRACT # 30-106156
ROAD NAME S-1000

Required pre-haul maintenance (stations) 105+48
Distance to commercial rock source (miles) 15.9

REQUIRED PRE-HAUL MAINTENANCE

MISC. MAINTENANCE

Maintenance grading	\$	18.03	per station x	105.48	\$	1,902
Maintenance rolling	\$	14.39	per station x	105.48	\$	1,518

ROAD ROCK

REQUIRED

1 1/4-INCH MINUS CRUSHED ROCK	\$	13.57	per CY x	211	\$	2,867
Rock haul	\$	165.00	per hour x	27.3 round trip haul (miles)	33.79	\$ 4,508
4-INCH JAW RUN ROCK	\$	12.27	per CY x	2	\$	25
Rock haul	\$	165.00	per hour x	0.3 round trip haul (miles)	33.79	\$ 43

CULVERTS AND FLUMES

18" Polyethylene, double wall	\$	20.89	per foot x	40	\$	836
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TOTAL ROAD COST \$ 11,697

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
 CONTRACT # 30-106156
 ROAD NAME S-1000B

Total road length (stations) 47+74
 Required reconstruction (stations) 36+67
 Distance to S-8054A Pit (miles) 2.1
 Optional construction (stations) 11+07
 Distance to S-8054A Pit (miles) 2.8

REQUIRED RECONSTRUCTION

CLEARING & GRUBBING						
Clearing & grubbing	\$	232.50	per station x	36.67	\$	8,526
EXCAVATION AND FILL						
Reconstruction	\$	197.40	per station x	36.67	\$	7,239
Turnout	\$	284.00	each x	1	\$	284
Shape & compact subgrade	\$	36.03	per station x	36.67	\$	1,321
MISC. MAINTENANCE						
Grass seeding	\$	3.64	per pound x	84	\$	306
ROAD ROCK						
REQUIRED						
4-INCH JAW RUN ROCK	\$	12.27	per CY x	2430	\$	29,808
Rock haul	\$	165.00	per hour x	159 round trip haul (miles)	4.86	\$ 26,175
Spread & compact rock	\$	3.06	per CY x	2430	\$	7,429
CULVERTS AND FLUMES						
18" Polyethylene, double wall	\$	20.89	per foot x	220	\$	4,597
REQUIRED RECONSTRUCTION SUBTOTAL					\$	85,684

OPTIONAL CONSTRUCTION

CLEARING & GRUBBING						
Clearing & grubbing	\$	310.00	per station x	11.07	\$	3,432
EXCAVATION AND FILL						
Construction	\$	460.60	per station x	11.07	\$	5,099
Landing	\$	284.00	each x	1	\$	284
Turnaround	\$	284.00	each x	1	\$	284
Shape & compact subgrade	\$	36.03	per station x	11.07	\$	399
MISC. MAINTENANCE						
Grass seeding	\$	3.64	per pound x	51	\$	185
ROAD ROCK						
OPTIONAL						
4-INCH JAW RUN ROCK	\$	12.27	per CY x	1310	\$	16,069
Rock haul	\$	165.00	per hour x	97 round trip haul (miles)	5.73	\$ 15,996
Spread & compact rock	\$	3.06	per CY x	1310	\$	4,005
CULVERTS AND FLUMES						
18" Polyethylene, double wall	\$	20.89	per foot x	90	\$	1,880
ROAD DEACTIVATION & ABANDONMENT						
Light abandonment	\$	143.50	per station x	22.10	\$	3,171
Cross drain removal and disposal	\$	370.00	each x	8	\$	2,960
Grass seeding	\$	3.64	per pound x	51	\$	185
OPTIONAL CONSTRUCTION SUBTOTAL					\$	53,949

TOTAL ROAD COST \$ 139,633

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
 CONTRACT # 30-106156
 ROAD NAME S-1000B1

Optional reconstruction (stations) 4+60
 Distance to S-8054A Pit (miles) 2.5
 Distance to waste area (miles) 0.00

OPTIONAL RECONSTRUCTION

CLEARING & GRUBBING

Clearing & grubbing \$ 310.00 per station x 4.60 \$ 1,426

EXCAVATION AND FILL

Construction \$ 394.80 per station x 4.60 \$ 1,816

Landing \$ 284.00 each x 1 \$ 284

Turnaround \$ 284.00 each x 1 \$ 284

Shape & compact subgrade \$ 36.03 per station x 4.60 \$ 166

MISC. MAINTENANCE

Grass seeding \$ 3.64 per pound x 11 \$ 38

ROAD ROCK

OPTIONAL

4-INCH JAW RUN ROCK \$ 12.27 per CY x 406 \$ 4,980

Rock haul \$ 165.00 per hour x 27 round trip haul (miles) 5.10 \$ 4,536

Spread & compact rock \$ 3.06 per CY x 406 \$ 1,241

CULVERTS AND FLUMES

18" Polyethylene, double wall \$ 20.89 per foot x 30 \$ 627

TOTAL ROAD COST \$ 15,399

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
CONTRACT # 30-106156
ROAD NAME S-1010

Required pre-haul maintenance (stations) 34+59
Distance to commercial rock source (miles) 17.9

REQUIRED PRE-HAUL MAINTENANCE

MISC. MAINTENANCE

Maintenance grading	\$ 18.03 per station x	34.59	\$ 624
Maintenance rolling	\$ 14.39 per station x	34.59	\$ 498

ROAD ROCK

REQUIRED

1 1/4-INCH MINUS CRUSHED ROCK	\$ 13.57 per CY x	59	\$ 807
Rock haul	\$ 165.00 per hour x	8.2 round trip haul (miles) 36.44	\$ 1,355

TOTAL ROAD COST \$ 3,283

SUMMARY OF ROAD

SALE/PROJECT NAME Dabblers
 CONTRACT # 30-106156
 ROAD NAME S-1011

Optional reconstruction (stations) 19+11
 Distance to S-8054A Pit (miles) 1.5

OPTIONAL RECONSTRUCTION

CLEARING & GRUBBING

Clearing & grubbing \$ 232.50 per station x 19.11 \$ 4,443

EXCAVATION AND FILL

Reconstruction \$ 197.40 per station x 19.11 \$ 3,772

Landing \$ 284.00 each x 1 \$ 284

Turnaround \$ 284.00 each x 1 \$ 284

Shape & compact subgrade \$ 36.03 per station x 19.11 \$ 688

MISC. MAINTENANCE

Grass seeding \$ 3.64 per pound x 44 \$ 160

ROAD ROCK

OPTIONAL

4-INCH JAW RUN ROCK \$ 12.27 per CY x 1354 \$ 16,609

Rock haul \$ 165.00 per hour x 68 round trip haul (miles) 3.37 \$ 11,256

Spread & compact rock \$ 3.06 per CY x 1354 \$ 4,139

CULVERTS AND FLUMES

18" Polyethylene, double wall \$ 20.89 per foot x 120 \$ 2,507

TOTAL ROAD COST \$ 44,143

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
CONTRACT # 30-106156
ROAD NAME S-8050

Required pre-haul maintenance (stations) 19+16
Distance to commercial rock source (miles) 18.5

REQUIRED PRE-HAUL MAINTENANCE

MISC. MAINTENANCE

Maintenance grading	\$ 18.03	per station x	19.16	\$ 345
Maintenance rolling	\$ 14.39	per station x	19.16	\$ 276

ROAD ROCK

REQUIRED

1 1/4-INCH MINUS CRUSHED ROCK	\$ 13.57	per CY x	33	\$ 447
Rock haul	\$ 165.00	per hour x	4.7 round trip haul (miles)	37.46 \$ 769

TOTAL ROAD COST \$ 1,837

SUMMARY OF ROAD

SALE/PROJECT NAME Dabblers
CONTRACT # 30-106156
ROAD NAME S-8054

Required pre-haul maintenance (stations) 58+48
Distance to commercial rock source (miles) 18.9

REQUIRED PRE-HAUL MAINTENANCE

MISC. MAINTENANCE

Maintenance grading	\$	18.03	per station x	58.48		\$	1,054
Maintenance rolling	\$	14.39	per station x	58.48		\$	842

ROAD ROCK

REQUIRED

1 1/4-INCH MINUS CRUSHED ROCK	\$	13.57	per CY x	101		\$	1,364
Rock haul	\$	165.00	per hour x	14.7	round trip haul (miles)	38.93	\$ 2,429
4-INCH JAW RUN ROCK	\$	12.27	per CY x	2		\$	25
Rock haul	\$	165.00	per hour x	0.3	round trip haul (miles)	38.93	\$ 48

CULVERTS AND FLUMES

18" Polyethylene, double wall	\$	20.89	per foot x	40		\$	836
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TOTAL ROAD COST \$ 6,597

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
CONTRACT # 30-106156
ROAD NAME S-8054A

Required pre-haul maintenance (stations) 21+14
Distance to commercial rock source (miles) 19.7

REQUIRED PRE-HAUL MAINTENANCE

MISC. MAINTENANCE

Maintenance grading	\$	18.03	per station x	21.14		\$	381
Maintenance rolling	\$	14.39	per station x	21.14		\$	304

ROAD ROCK

REQUIRED							
1 1/4-INCH MINUS CRUSHED ROCK	\$	13.57	per CY x	36		\$	493
Rock haul	\$	165.00	per hour x	5.4 round trip haul (miles)	39.77	\$	895

TOTAL ROAD COST \$ 2,073

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
 CONTRACT # 30-106156
 ROAD NAME S-8054A1

Optional reconstruction (stations) 14+09
 Distance to S-8054A Pit (miles) 0.2

OPTIONAL RECONSTRUCTION

CLEARING & GRUBBING

Clearing & grubbing \$ 232.50 per station x 14.09 \$ 3,276

EXCAVATION AND FILL

Reconstruction \$ 197.40 per station x 14.09 \$ 2,781

Landing \$ 284.00 each x 1 \$ 284

Turnaround \$ 284.00 each x 1 \$ 284

Shape & compact subgrade \$ 36.03 per station x 14.09 \$ 508

MISC. MAINTENANCE

Grass seeding \$ 3.64 per pound x 32 \$ 118

ROAD ROCK

OPTIONAL

4-INCH JAW RUN ROCK \$ 12.27 per CY x 1026 \$ 12,585

Rock haul \$ 165.00 per hour x 24 round trip haul (miles) 0.63 \$ 3,881

Spread & compact rock \$ 3.06 per CY x 1026 \$ 3,137

CULVERTS AND FLUMES

18" Polyethylene, double wall \$ 20.89 per foot x 90 \$ 1,880

Culvert marker \$ 28.50 each x 6 \$ 171

TOTAL ROAD COST \$ 28,905

SUMMARY OF ROAD

SALE/PROJECT NAME Dabbler
 CONTRACT # 30-106156
 ROAD NAME S-8054B

Optional construction (stations) 5+15
 Distance to S-8054A Pit (miles) 0.6

OPTIONAL CONSTRUCTION

CLEARING & GRUBBING

Clearing & grubbing \$ 310.00 per station x 5.15 \$ 1,597

EXCAVATION AND FILL

Construction \$ 394.80 per station x 5.15 \$ 2,033

Landing \$ 284.00 each x 1 \$ 284

Turnaround \$ 284.00 each x 1 \$ 284

Shape & compact subgrade \$ 36.03 per station x 5.15 \$ 186

MISC. MAINTENANCE

Grass seeding \$ 3.64 per pound x 24 \$ 86

ROAD ROCK

OPTIONAL

4-INCH JAW RUN ROCK \$ 12.27 per CY x 694 \$ 8,513

Rock haul \$ 165.00 per hour x 20 round trip haul (miles) 1.21 \$ 3,291

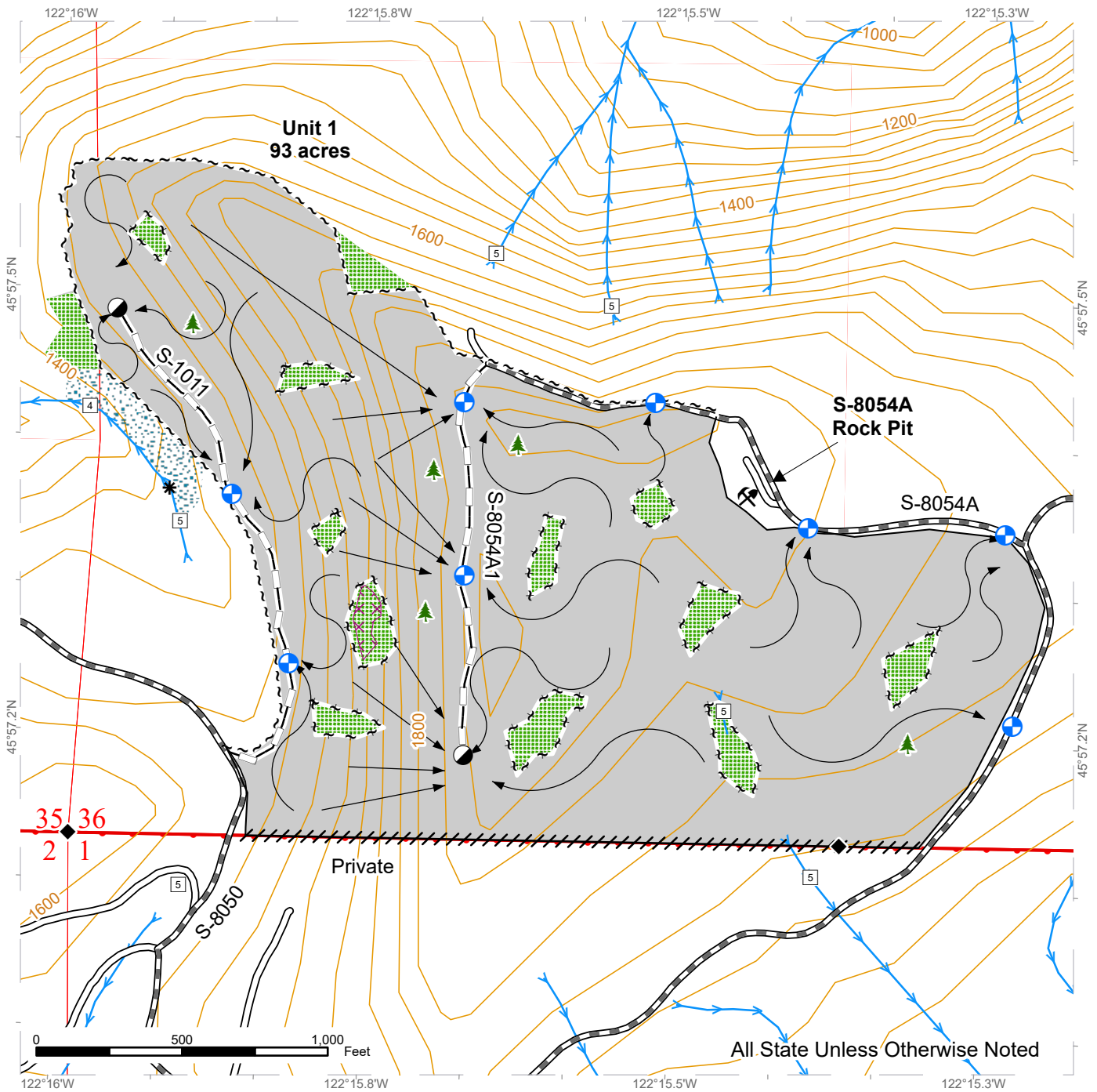
Spread & compact rock \$ 3.06 per CY x 694 \$ 2,122

TOTAL ROAD COST \$ 18,395

LOGGING PLAN MAP

SALE NAME: DABBLER
AGREEMENT#: 30-106156
TOWNSHIP(S): T6R4E
TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
COUNTY(S): Clark
ELEVATION RGE: 1400-1920



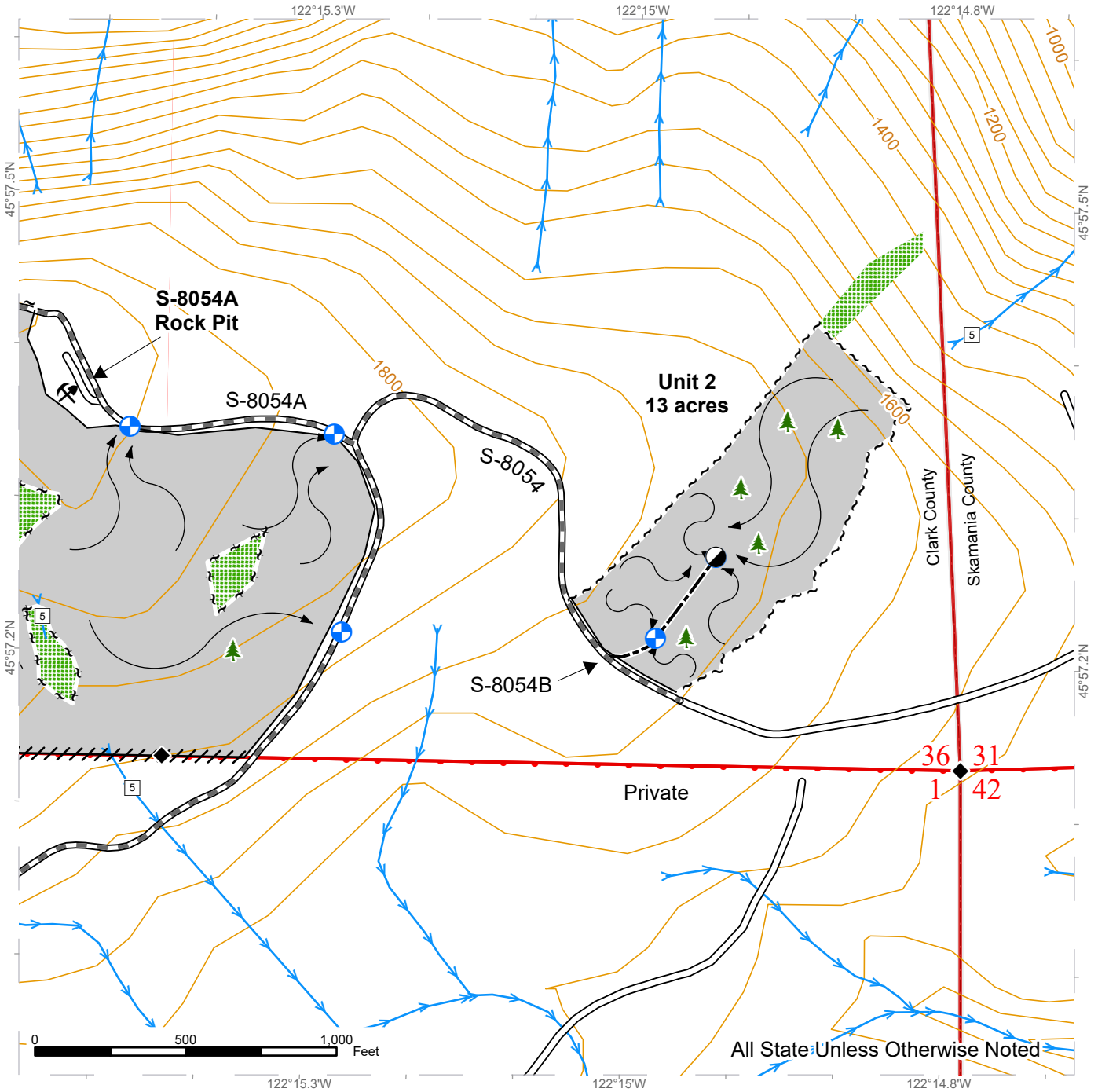
Ground Harvest	Leave Tree Tags	Streams
Cable Harvest	Flag Line	Stream Type
Leave Tree Area	Existing Roads	Stream Type Break
Potentially Unstable Slopes	Required Pre-Haul Maintenance	Designated Landing
Riparian Mgt Zone	Optional Reconstruction	Landing - Proposed
Harvest Units		Leave Tree Area <1/4-acre
Sale Boundary Tags		Rock Pit
Timber Type Change		Survey Monument



LOGGING PLAN MAP

SALE NAME: DABBLER
 AGREEMENT#: 30-106156
 TOWNSHIP(S): T6R4E
 TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
 COUNTY(S): Clark
 ELEVATION RGE: 1400-1920



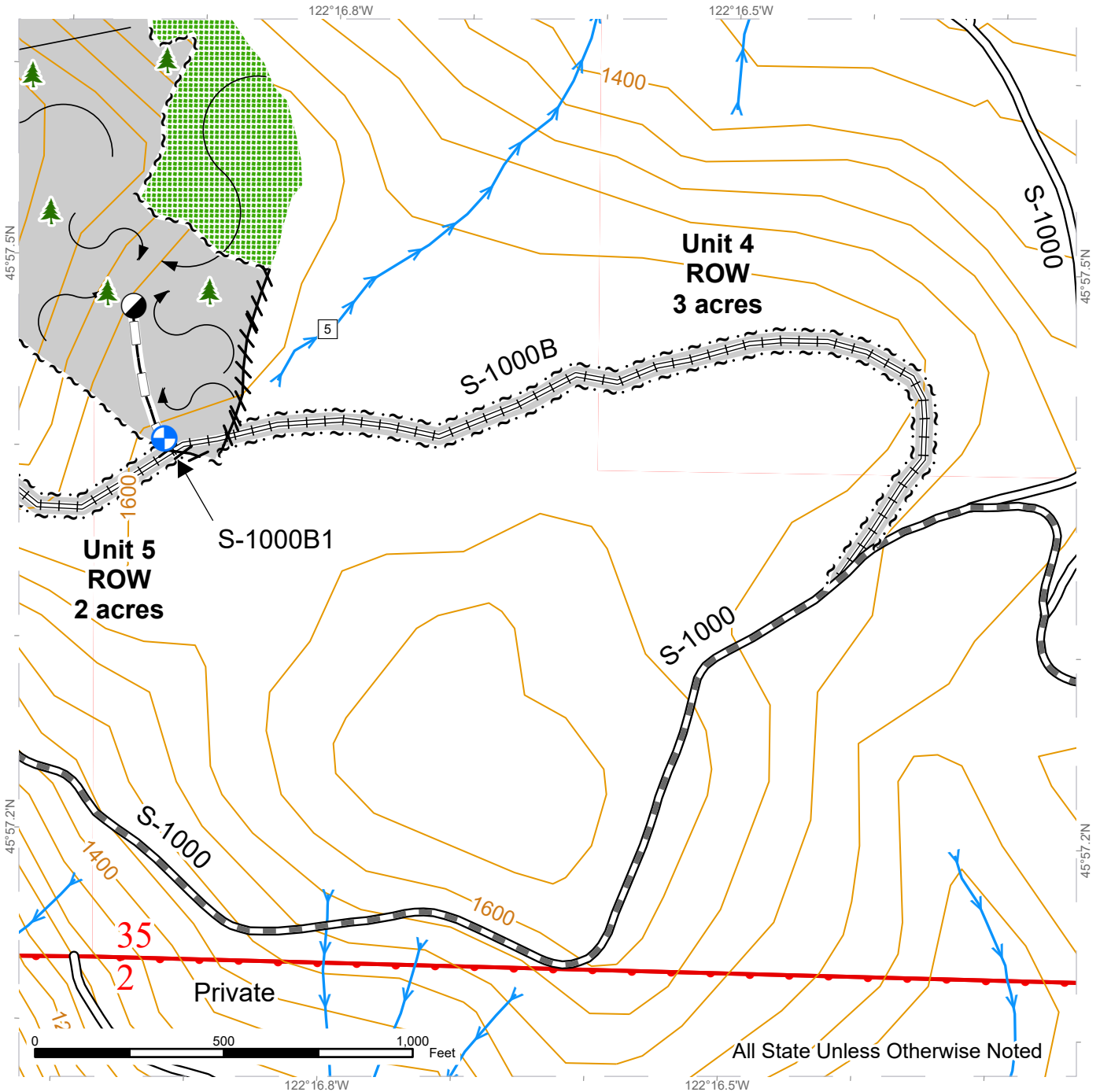
Ground Harvest	Existing Roads	Streams
Leave Tree Area	Required Pre-Haul Maintenance	Stream Type
Harvest Units	Optional Construction	Stream Type Break
Sale Boundary Tags		Designated Landing
Timber Type Change		Landing - Proposed
Leave Tree Tags		Leave Tree Area <1/4-acre
Flag Line		Rock Pit
		Survey Monument



LOGGING PLAN MAP

SALE NAME: DABBLER
 AGREEMENT#: 30-106156
 TOWNSHIP(S): T6R4E
 TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
 COUNTY(S): Clark
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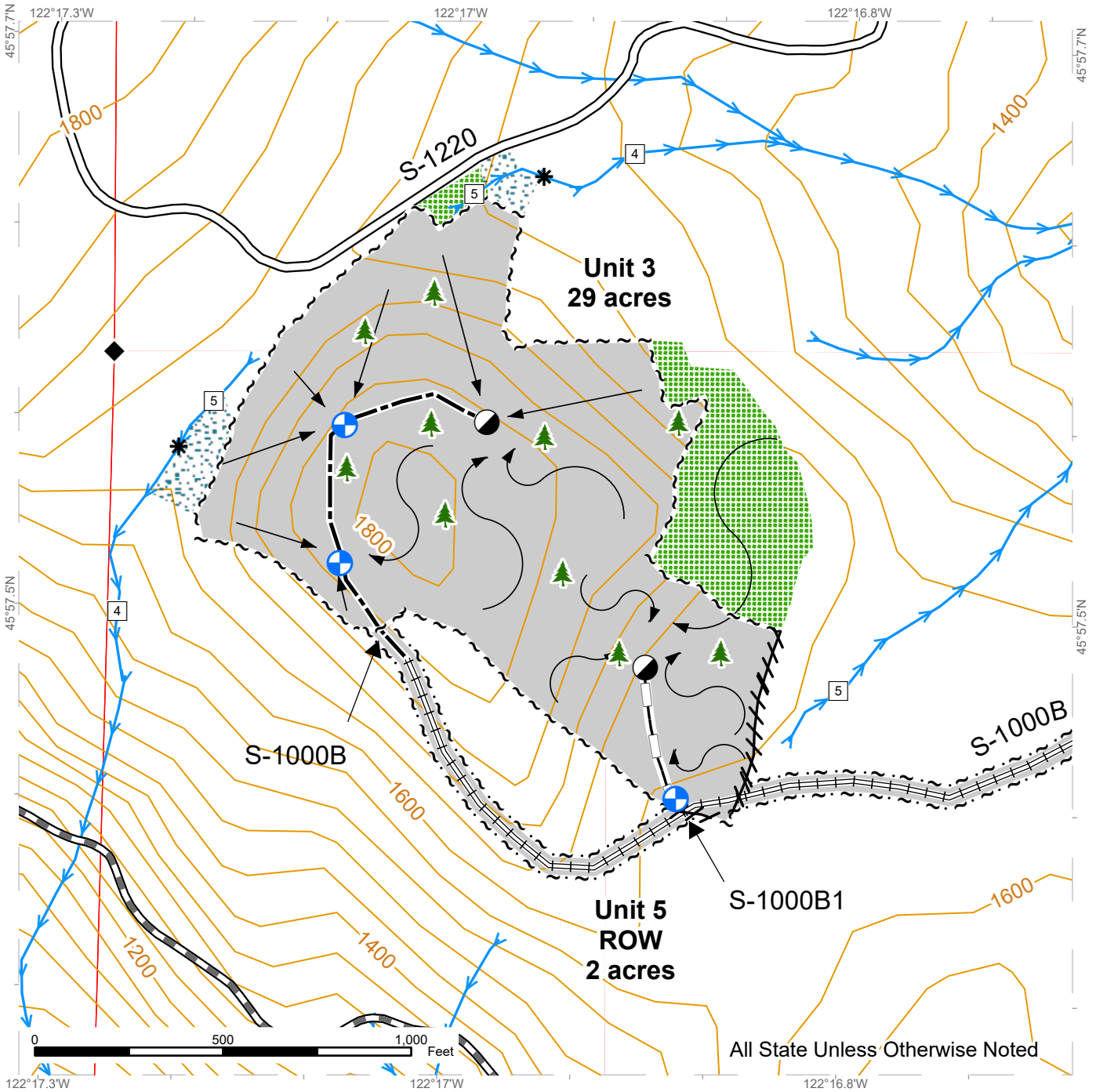
Ground Harvest	Existing Roads	Streams
Cable Harvest	Required Pre-Haul Maintenance	Stream Type
Leave Tree Area	Required Reconstruction	Stream Type Break
Harvest Units	Optional Reconstruction	Designated Landing
Sale Boundary Tags		Landing - Proposed
Right of Way Tags		Leave Tree Area <1/4-acre
Flag Line		



LOGGING PLAN MAP

SALE NAME: DABBLER
AGREEMENT#: 30-106156
TOWNSHIP(S): T6R4E
TRUST(S): Common School and Indemnity (3), State Forest Purchase (2), State Forest Transfer (1)

REGION: Pacific Cascade Region
COUNTY(S): Clark
ELEVATION RGE: 1400-1920



All State Unless Otherwise Noted

Ground Harvest	Existing Roads	Streams
Cable Harvest	Required Pre-Haul Maintenance	Stream Type
Leave Tree Area	Required Reconstruction	Stream Type Break
Riparian Mgt Zone	Optional Construction	Designated Landing
Harvest Units	Optional Reconstruction	Landing - Proposed
Sale Boundary Tags		Leave Tree Area <1/4-acre
Right of Way Tags		Survey Monument
Flag Line		