



TIMBER NOTICE OF SALE

SALE NAME: *Q WOOD CHUTE*

AGREEMENT NO: 30-106639

AUCTION: March 25, 2025 starting at 10:00 a.m.,
Northeast Region Office, Colville, WA

COUNTY: Okanogan

SALE LOCATION: Sale located approximately 12 miles southwest of Loomis, WA.

**PRODUCTS SOLD
AND SALE AREA:**

All conifer species except for leave trees banded with blue paint, two standing snags per acre in Units 1, 2, 3, 4, 5 and 6 bounded by white timber sale boundary tags; all green conifer species except for leave trees banded with blue paint in Unit 7 bounded by white timber sale boundary tags; and all right of way timber bounded by orange right of way boundary tags.

All forest products above located on part(s) of Sections 2, 3, 4 and 10 all in Township 37 North, Range 24 East, Sections 28, 33, 34 and 35 all in Township 38 North, Range 24 East, W.M., containing 266 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							
				P	SM	1S	2S	3S	4S	5S	6S UT
Douglas fir	14.6		2,364				728	1,286	350		
Spruce	14.4		523				168	306	49		
Alpine fir	11.9		390				46	254	90		
Lodgepole	9.9		149					92	57		
Larch	23.4		4				3	1			
Sale Total			3,430								

MINIMUM BID: \$319,000.00

BID METHOD: Sealed Bids

PERFORMANCE

SECURITY: \$63,800.00

SALE TYPE: Lump Sum

EXPIRATION DATE: November 1, 2027

ALLOCATION: Export Restricted

BID DEPOSIT: \$31,900.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

HARVEST METHOD: Ground based equipment, Rubber tired skidder, and Dozer. Falling and Yarding will not be permitted from March 1 to June 15 unless authorized in writing by the Contract Administrator due to spring breakup and May 1 to August 1 in Units 1, 2 and 7 unless authorized in writing by the State due to wildlife timing restrictions.

ROADS: 124.93 stations of required construction. 270.55 stations of required prehaul maintenance. Road construction will not be permitted from March 1 to June 15 unless authorized in writing by the Contract Administrator due to spring breakup. Road construction will not be permitted from May 1 to August 1 in Unit 2 unless authorized in writing by the State due to wildlife timing restrictions. The hauling of forest products



TIMBER NOTICE OF SALE

will not be permitted from March 1 to June 15 unless authorized in writing by the Contract Administrator due to spring breakup.

ACREAGE DETERMINATION

CRUISE METHOD: Acreage determined using GPS methods. Acreage shown above is net harvest acres in harvest units. All species: 7.0 - 17.5 inches dbh has minimum top of 4.6 inch dib. All species 17.6 inches and greater dbh have a minimum top dib of 40% of dob at 16 feet or a 6 inch top whichever is greater.

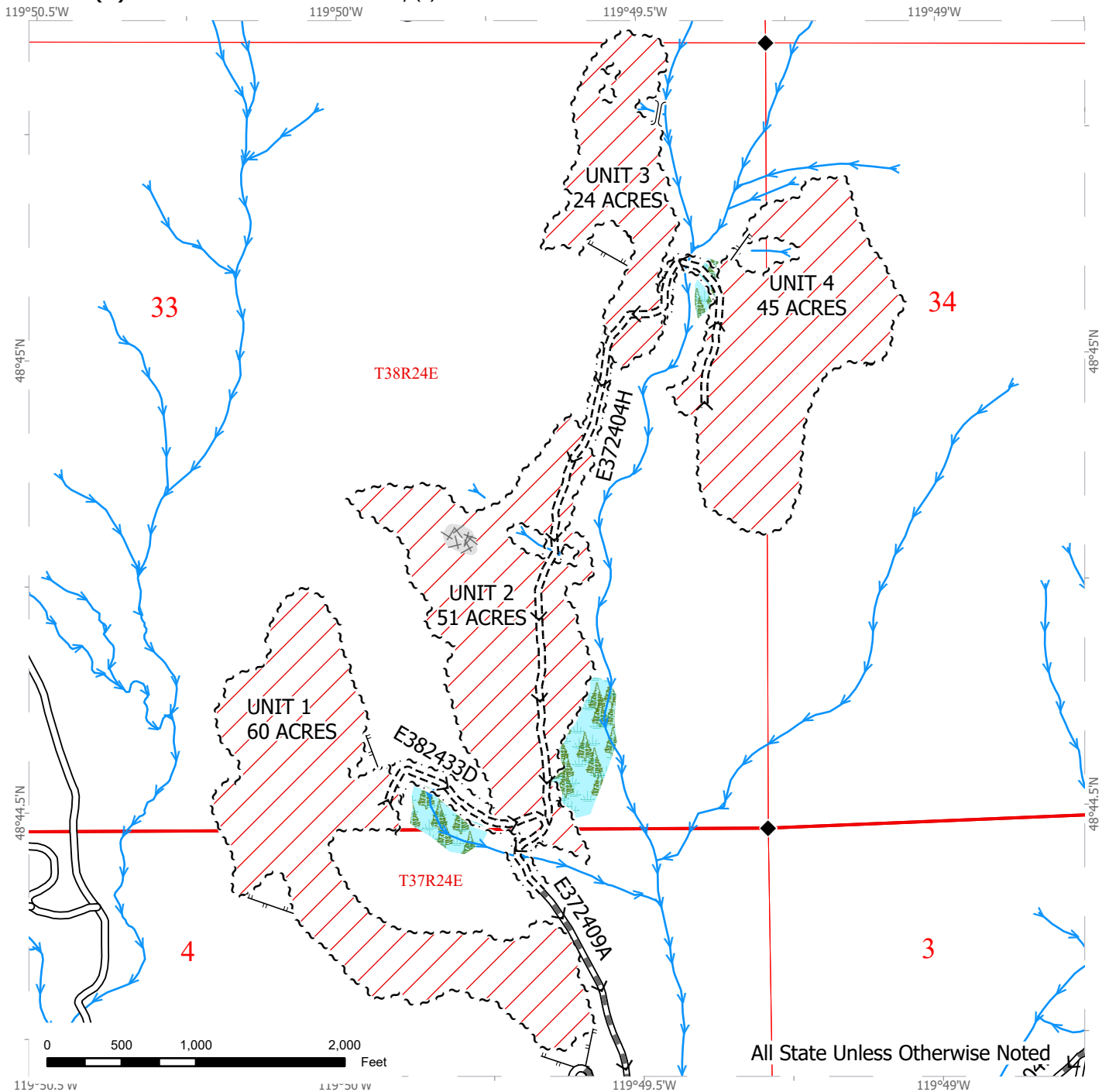
FEES: \$58,310.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

SPECIAL REMARKS: Locked gate restricts access to the sale area. Contact the Northeast Region Office at (509) 684-7474 for access. Unit 3 and 4 have temporary stream crossings see the contract and road plan for requirements and timing restrictions. No timber falling, yarding or processing in Unit 7 and no new road construction on the E372403E road will be permitted from March 1 to August 1 or later if the known American goshawk nest is active during the year of harvest.

TIMBER SALE MAP

SALE NAME: Q WOOD CHUTE
AGREEMENT#: 30-106639
TOWNSHIP(S): T37R24E, T38R24E
TRUST(S): Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Okanogan
ELEVATION RGE: 4880-5960



All State Unless Otherwise Noted

- Public Land Survey Sections
- DNR Managed Lands
- Variable Retention Harvest
- Forested Wetland
- Equipment Limitation Zone

- Sale Boundary Tags
- Right of Way Tags = 4 Acres
- Existing Road
- Required Pre-Haul Maintenance
- Required Construction
- Designated Skid Trail

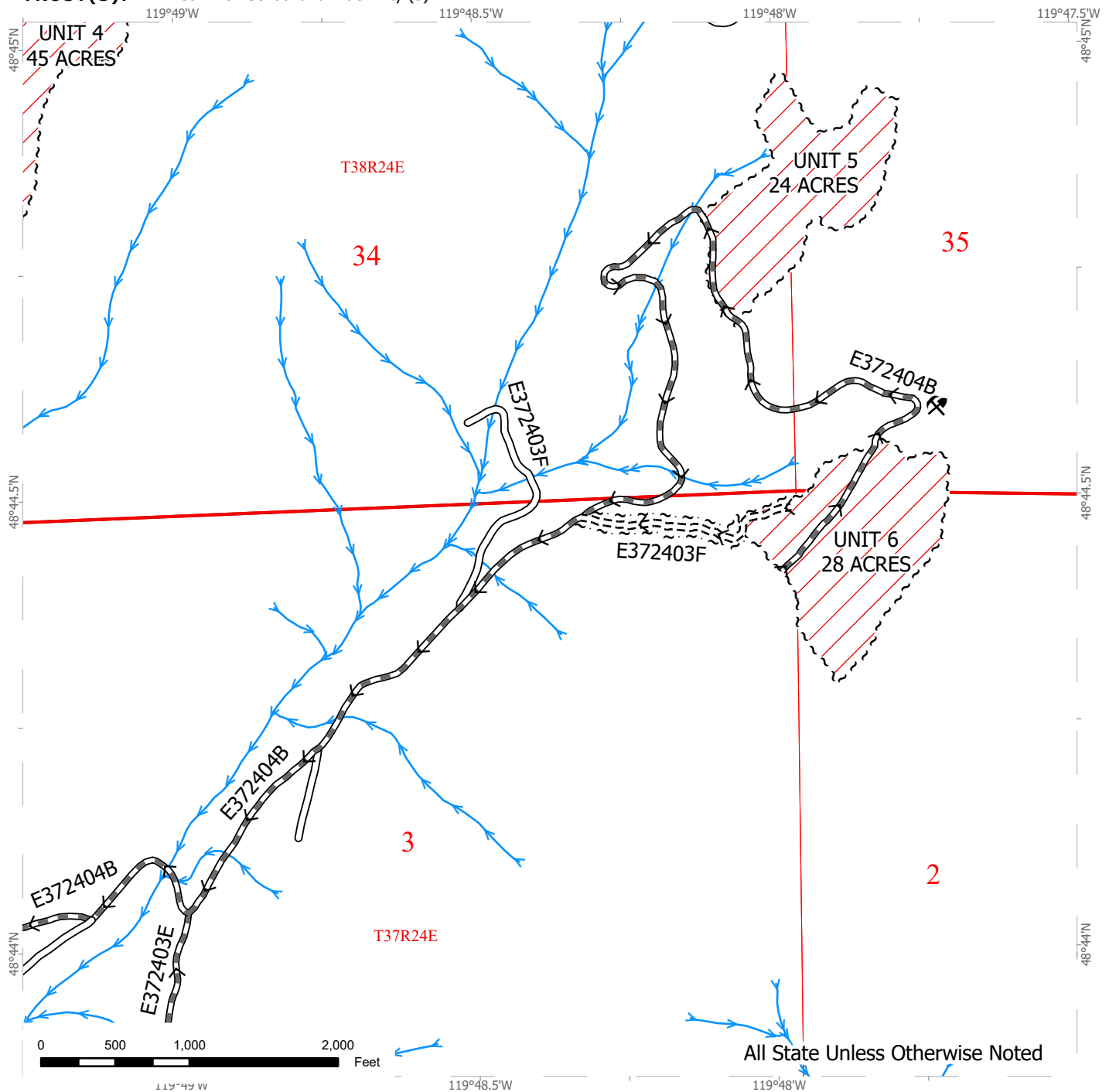
- > Streams
- ◆ Survey Monument
- ~ Temporary Crossing
- > Hauling Routes



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Public Land Survey Sections

DNR Managed Lands

Variable Retention Harvest

~~ Sale Boundary Tags

~~ Right of Way Tags = 4 Acres

Existing Road

Required Pre-Haul Maintenance

Required Construction

Streams

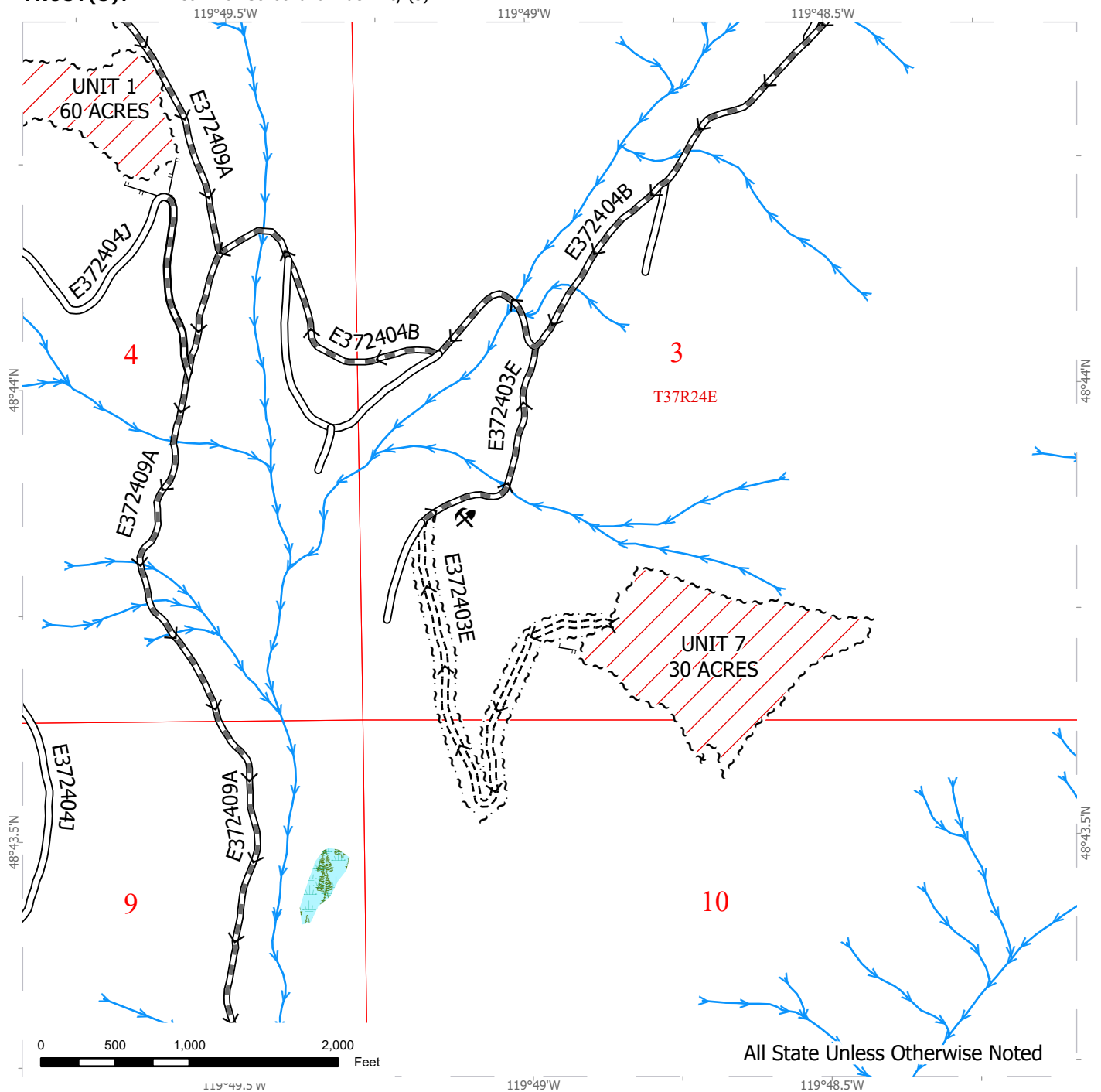
Rock Pit

Hauling Routes

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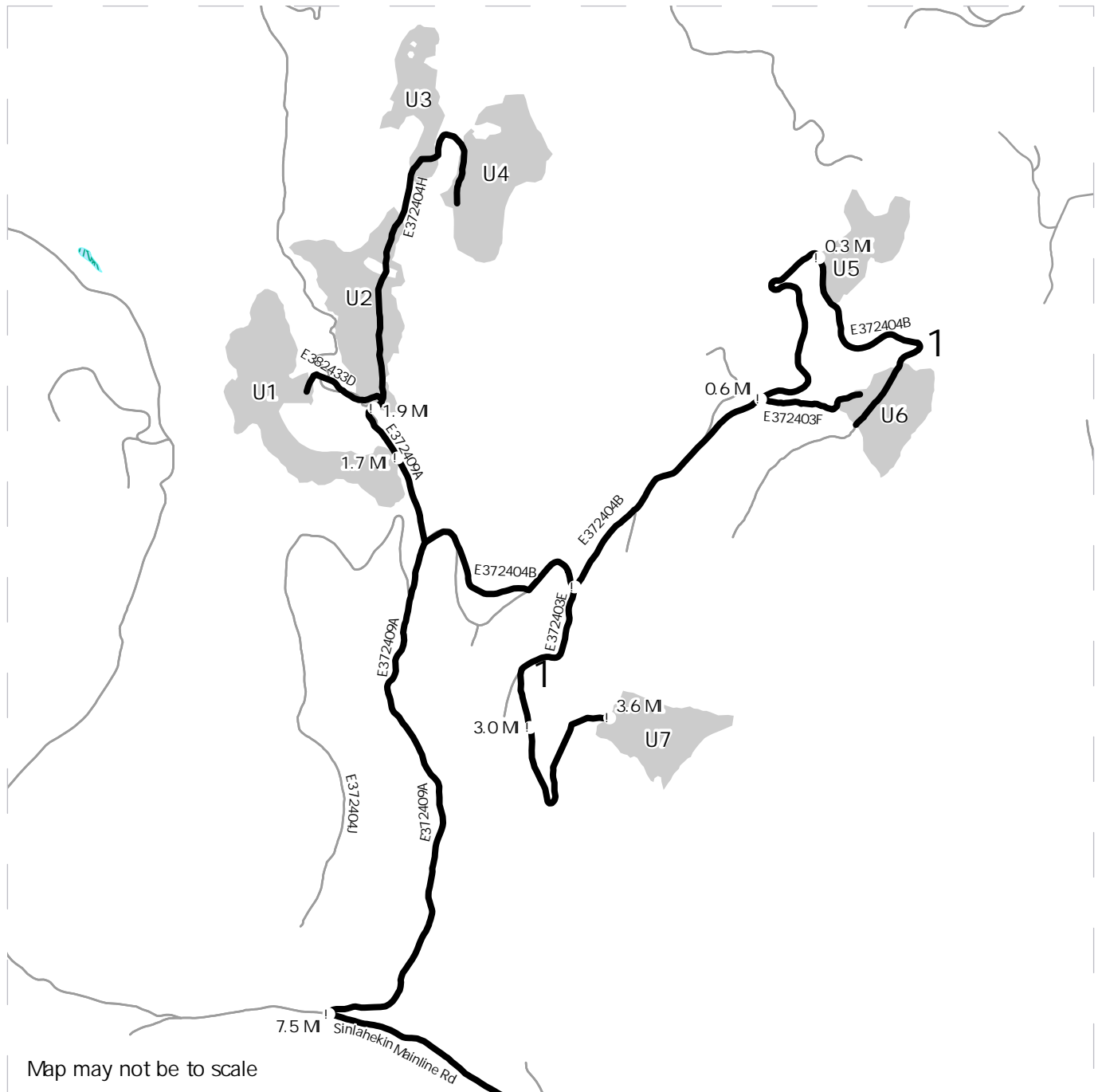
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DRIVING MAP

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- Harvest Unit
- Highway
- Haul Route
- Other Route
- Distance Indicator
- Rock Pit

DRIVING DIRECTIONS:

From Loomis, WA travel south for 9.2 miles on Sinlahekin County Road and turn right on Sinlahekin Mainline Road, E372516A. Travel for 7.5 miles westward on the Sinlahekin Mainline Road and turn right on the E372409A road. Travel 1.7 miles north to reach Unit 1 or 1.9 miles to reach Unit 2. This location where the E372409A road arrives at Unit 2 is the hike in point for Units 3 and 4. To reach Unit 5 travel 3.0 miles east on the E372404B road from the intersection with the E372409A road or 3.6 miles to reach Unit 6. In order to reach Unit 8 travel 0.6 miles on the E372404B road from the intersection with the E372409A road and take a right on the E372403F road. Travel an additional 0.3 miles on the E372403E road to the hike in point for Unit 7.

OVERVIEW MAP

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Map may not be to scale

Sale Units

Hauling Routes

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Distance Indicator

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Town

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From Loomis, WA travel south for 9.2 miles on Sinlahekin County Road and turn right on Sinlahekin Mainline Road, E372516A. Travel for 7.5 miles westward on the Sinlahekin Mainline Road and turn right on the E372409A road. Travel 1.7 miles north to reach Unit 1 or 1.9 miles to reach Unit 2. This location where the E372409A road arrives at Unit 2 is the hike in point for Units 3 and 4. To reach Unit 5 travel 3.0 miles east on the E372404B road from the intersection with the E372409A road or 3.6 miles to reach Unit 6. In order to reach Unit 8 travel 0.6 miles on the E372404B road from the intersection with the E372409A road and take a right on the E372403F road. Travel an additional 0.3 miles on the E372403E road to the hike in point for Unit 7.

**STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES**

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

Export Restricted Lump Sum AGREEMENT NO. 30-0106639

SALE NAME: Q WOOD CHUTE

**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 March 25, 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 conifer species except for leave trees banded with blue paint, two standing snags per acre in Units 1, 2, 3, 4, 5 and 6 bounded by white timber sale boundary tags; all green conifer species except for leave trees banded with blue paint in Unit 7 bounded by white timber sale boundary tags; and all right of way timber bounded by orange right of way boundary tags.

All forest products described above located on approximately 266 acres on part(s) of Sections 2, 3, 4, and 10 all in Township 37 North, Range 24 East, Sections 28, 33, 34, and 35 all in Township 38 North, Range 24 East W.M. in Okanogan 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 November 1, 2027.

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 \$330.00 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-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-102 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 shall become a part of this contract and the Scribner log scale volume, as defined by the Northwest Log Rules Eastside, 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-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 Colville, 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; E372403E, E372403F, E372404B, E372404H, E372404J, E372409A and E382433D. The State may authorize in writing the use of other roads subject to fees, restrictions, and prior rights.

G-320 Erosion Control

Purchaser shall deliver 450 pounds of grass seed to a location designated by the Contract Administrator. Seed provided shall meet the following specifications.

40% Mountain Brome, 30% Blue Bunch Wheatgrass, 30% Idaho Fescue
Seed shall be certified weed free, premixed and delivered to Highlands Fire Camp in 50 pound bags clearly labeled with the timber sale name on each bag.

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 E372409A and E372404B road, 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 514 with BLM dated January 12, 1965

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: Grazing

In Favor of: RR Ranch LLC dba Double R Ranch

Disclosed by Application No.: 11-C69474

Granted: 1/1/2023

Expires: 12/31/2032

Lease, including the terms and provisions thereof,

For: Land Use License

In Favor of: Washington State University

Disclosed by Application No.: 60-104291

Granted: 1/1/2023

Expires: 5/1/2025

Water Right, including the terms and provisions thereof,
For: Creek
In Favor of: DNR
Disclosed by Application No.: 78-002767
Granted: 1/23/1973
Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Creek
In Favor of: DNR
Disclosed by Application No.: 78-002774
Granted: 1/23/1973
Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Lake
In Favor of: DNR
Disclosed by Application No.: 78-002775
Granted: 1/23/1973
Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Creek
In Favor of: DNR
Disclosed by Application No.: 78-002776
Granted: 1/23/1973
Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Creek
In Favor of: DNR
Disclosed by Application No.: 78-002777
Granted: 1/23/1973
Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Creek
In Favor of: DNR
Disclosed by Application No.: 78-002779
Granted: 1/23/1973
Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Spring
In Favor of: DNR
Disclosed by Application No.: 78-0002780

Granted: 1/23/1973
Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Spring
In Favor of: DNR
Disclosed by Application No.: 78-002781
Granted: 1/23/1973
Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Spring
In Favor of: DNR
Disclosed by Application No.: 78-002787
Granted: 1/23/1973
Expires: Indefinite

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 \$89,180.00. The total contract price consists of a \$0.00 contract bid price plus \$89,180.00 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 \$63,800.00. 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-001 Operations Outside the Sale Boundaries

No operations shall occur outside the sale boundaries, as described within the contract, unless approved in writing by the State.

H-010 Cutting and Yarding Schedule

Felling and Yarding will not be permitted from March 1 to June 15 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 16 feet in width, including rub trees.
- b. Skid trails shall not cover more than 20 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 10 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-018 Temporary Stream Crossings

A temporary stream crossing is required to access Unit 3.

Purchaser shall comply with the following during the yarding operation:

- a. Adhere to the approved Hydraulic Permit Application (HPA) or Forest Practice Application (FPA) with approved hydraulic project work, if required, amend a current FPA or obtain a new FPA prior to commencing any new stream crossing construction.
- b. Location of the temporary stream crossing must be approved by the Contract Administrator.
- c. A temporary stream crossing shall not exceed 20 feet in width, including rub trees.
- d. Purchaser shall suspend operations during periods of wet weather when a high potential for sediment delivery into typed waters may occur.
- e. Temporary stream crossings shall be removed at the time of completion of yarding as required by the Contract Administrator.
- f. Temporary stream crossings may only be in place between June 15 and September 30.

Purchaser shall not deviate from the requirements set forth in this clause without prior written approval from 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-050 Rub Trees

Trees designated for cutting along skid trails and cable corridors shall be left standing as rub trees until all timber that is tributary to the skid trail or cable corridor has been removed.

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-110 Stump Height

Trees shall be cut as close to the ground as practicable. Stump height shall not exceed 12 inches in height measured on the uphill side, or 2 inches above the root collar, whichever is higher.

H-120 Harvesting Equipment

Forest products sold under this contract shall be harvested and removed using D6 equivalent or smaller ground skidding equipment and ground based harvesting equipment. Authority to use other equipment or to operate outside the equipment specifications detailed above must be approved in writing by the State.

H-130 Hauling Schedule

The hauling of forest products will not be permitted on all roads from March 1 to June 15 unless authorized in writing by the Contract Administrator.

H-140 Special Harvest Requirements

Purchaser shall accomplish the following during the harvest operations:

- a. Whole tree yarding is required in all units.
- b. Hand felling of trees and retrieval with bull line and chokers may be required in isolated areas of units.
- c. Road salts shall not be applied to roads for dust abatement or removing of ice from road surfaces.

- d. All slash shall be piled at landings or hauled back into the unit for erosion control where designated by the Contract Administrator.
- e. Slash that is piled at landings shall be separated from the road prism at completion of harvest.
- f. Appropriate warning signs shall be posted at locations designated by the Contract Administrator.
- g. If snow plowing occurs, snow berms shall be removed at location designated by the Contract Administrator to allow surface water to drain from roads.
- h. If the standing dead trees are removed in Units 1, 2, 3, 4, 5, and 6, Purchaser shall leave two standing snags per acre from the larger diameter classes when safe to do so.
- i. No timber falling, yarding or processing in Unit 7 and no new road construction on the E372403E road will be permitted from March 1 to August 1 or later if the known American goshawk nest is active during the year of harvest.
- j. Within Unit 7 regeneration must be protected where operationally feasible.
- k. No operations associated with timber harvest, hauling or road work will be permitted within 1/2 mile of an active American goshawk nest from March 1 to August 1 or later if the young are still on the nest.

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

H-142 Wildlife Timing Restrictions

The following wildlife timing restrictions apply to this contract and shall be in place in the locations shown on the attached timber sale map.

No operations associated with timber harvest or new road construction will be permitted from May 1 to August 1 in Units 1, 2 and 7 due to Lynx timing restrictions.

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-210 Log Length Hauling Restrictions

The maximum log length hauled from the sale area shall not exceed 45 feet unless otherwise approved 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.

H-230 Tops and Limbs Outside the Sale Boundary

Tops and limbs outside the sale boundary as a result of Purchaser's operation shall be removed concurrently with the yarding operation unless otherwise directed by the Contract Administrator.

H-250 Additional Falling Requirements

Within Units 1, 2, 3, 4, 5 and 6, all non-merchantable live stems excluding ponderosa pine greater than 2 inches in diameter or 3 feet in height not banded with blue paint, shall be felled concurrently with felling operations. Areas of young or immature timber may be excluded from this requirement by the Contract Administrator.

H-260 Fall Leaners

Trees within the units that have been pushed over in falling or skidding operations shall be felled.

Section C: Construction and Maintenance**C-040 Road Plan**

Road construction and associated work provisions of the Road Plan for this sale, dated 7/10/2024 are hereby made a part of this contract.

C-050 Purchaser Road Maintenance and Repair

Purchaser shall perform work at their own expense on E372403E, E372403F, E372404B, E372404H, E372404J, E372409A and E382433D 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 Sinlahekin Mainlime Road. 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-130 Dust Abatement

Purchaser shall abate dust on the E372403E, E372403F, E372404B, E372404H, E372404J, E372409A and E382433D roads used for hauling from June 1 to November 1.

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-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-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-100 Stream Cleanout

Slash or debris which enters any 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-120 Stream Protection

No timber shall be felled into, across, or yarded through any stream.

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.

S-140 Fence Repair

Purchaser shall immediately repair all fence damage resulting from operations on this sale to an equal or better condition than existed at the time of sale.

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 the 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

Print Name

Date: _____

Address: _____

Patrick Ryan

Northeast Region Manager

Date: _____

DRAFT

DRAFT

DRAFT

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: Northeast

Timber Sale Name: Q WOOD CHUTE

Application Number: 30- 106639

EXCISE TAX APPLICABLE ACTIVITIES

Construction: 12,493 linear feet
Road to be constructed (optional and required) but not abandoned

Reconstruction: 0 linear feet
Road to be reconstructed (optional and required) but not abandoned

Abandonment: 0 linear feet
Abandonment of existing roads not reconstructed under the contract

Decommission: 0 linear feet
Road to be made undriveable but not officially abandoned.

Pre-Haul Maintenance: 27,055 linear feet
Existing road to receive maintenance work (optional and required) prior to haul

EXCISE TAX EXEMPT ACTIVITIES

Temporary Construction: 0 linear feet
Roads to be constructed (optional and required) and then abandoned

0 linear feet
Temporary Reconstruction:
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: Q Wood Chute	Region: Northeast
Agreement #: 30-106639	District: Highlands
Contact Forester: Matt Smith Phone / Location: 509-995-7968	County(s): Choose a county, Okanogan
Alternate Contact: Chelsea Schaefer Phone / Location: 509-640-0550	Other information: Click here to enter text.

Type of Sale: Lump Sum	
Harvest System: Ground based Click here to enter text.	100%
Harvest System: Select harvest system Click here to enter text.	Click here to enter percent sale acres.
Enter % of sale acres	
Harvest System: Select harvest system Click here to enter text.	Click here to enter percent sale acres.

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 Determination (List method and error of closure if applicable)
				RMZ/ WMZ Acres	Leave Tree Acres	Existing Road Acres	Other Acres (describe)		
1	T37N R24E S4		60.2					60.2	GPS (Garmin)
2	T38N R24E S33		51.1					51.1	GPS (Garmin)
3	T38N R24E S33		23.9					23.9	GPS (Garmin)
4	T38N R24E S34		45.3					45.3	GPS (Garmin)
5	T38N R24E S34		24.5			.5		24.0	GPS (Garmin)
6	T37N R24E S2		28.6			.5		28.1	GPS (Garmin)
7	T37N R24E S3		29.7					29.7	GPS (Garmin)
ROW	T38N R24E S		5.0					5	GPS (Garmin)
TOTAL ACRES			269.8			1		268.8	

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit #	Harvest Prescription: (Leave, take, paint color, tags, flagging etc.)	Special Management areas:	Other conditions (# leave trees, etc.)
1	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging. Leave trees painted in blue; remove all trees unmarked while leaving 2 of the largest snags per acre.		Minimum 13 trees per acre
2	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging. Leave trees painted in blue; remove all trees unmarked while leaving 2 of the largest snags per acre.		Minimum 13 trees per acre
3	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging. Leave trees painted in blue; remove all trees unmarked while leaving 2 of the largest snags per acre.		Minimum 13 trees per acre
4	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging. Leave trees painted in blue; remove all trees unmarked while leaving 2 of the largest snags per acre.		Minimum 13 trees per acre
5	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging. Leave trees painted in blue; remove all trees unmarked while leaving 2 of the largest snags per acre.		Minimum 13 trees per acre
6	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging. Leave trees painted in blue; remove all trees unmarked while leaving 2 of the largest snags per acre.		Minimum 13 trees per acre
7	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging. Leave trees painted in blue; remove all trees unmarked while leaving 2 of the largest snags per acre.		Minimum 18 trees per acre

OTHER PRE-CRUISE INFORMATION:

Unit #	Primary,secondary Species / Estimated Volume (MBF)	Access information (Gates, locks, etc.)	Photos, traverse maps required
1	DF/LPP- 793 MBF	Travel up Sinlahekin mainline and pass through gate with a Loomis Best Lock key. Take a right on Woodpile road to reach unit.	Region provided maps
2	DF/ES- 663 MBF	Travel up Sinlahekin mainline and pass through gate with a Loomis Best Lock key. Take a right on Woodpile road to reach hike in point for unit.	Region provided maps
3	DF/ES- 336 MBF	Travel up Sinlahekin mainline and pass through gate with a Loomis Best Lock key. Take a right on Woodpile road to reach hike in point for unit	Region provided maps
4	DF/LPP- 506 MBF	Travel up Sinlahekin mainline and pass through gate with a Loomis Best Lock key. Take a right on Woodpile road to reach hike in point for unit,	Region provided maps
5	DF/SAF- 425 MBF	Travel up Sinlahekin mainline and pass through gate with a Loomis Best Lock key. Take a right on Woodpile road and then another right on Woodpile Cabin road to reach unit.	Region provided maps
6	DF/LPP- 448 MBF	Travel up Sinlahekin mainline and pass through gate with a Loomis Best Lock key. Take a right on Woodpile road and then another right on Woodpile Cabin road to reach unit.	Region provided maps
7	DF/LPP- 540 MBF	Travel up Sinlahekin mainline and pass through gate with a Loomis Best Lock key. Take a right on Woodpile road and then another right on Woodpile Cabin road to reach unit.	Region provided maps
TOTAL MBF	3,711 MBF		

REMARKS:

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Prepared By: Matt Smith Date:	Title: Forester	CC:
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Timber Sale Cruise Report Wood Chute

Sale Name: Q WOOD CHUTE

Sale Type: LUMP SUM

Region: NORTHEAST

District: HIGHLANDS

Lead Cruiser: Jake Culp

Other Cruisers: Hunter Leliefeld

Cruise Narrative:

Location:

Legal – Sections 28, 33, 34, 35 of T38R24E, and sections 4, 3, 2, 10 of T37R24E

General – Approx. 12 miles southwest of Loomis, WA in Okanogan County.

Access – All units are accessed from Sinlahekin Creek Rd, via Sinlahekin Rd out of Loomis.

Cruise Design:

-This sale was cruised using variable radius plots, utilizing the cruise-count method. Plot locations found using a Garmin handheld GPS unit and monumented with red and white flagging. The walk-through method was used on plots near boundaries.

-Minor species cruise intensity: We grade the first tree of all minor species encountered; then follow the set cruise design.

-Min. DBH: 8" DBH for PP and RC, 7" DBH for all other species

-Log Length and grades: 32' logs where possible, minimum of 12' lengths. Trees are graded using Eastside Scaling Rules.

-Top DIB: Trees less than 17.5" DBH have a minimum top of 4.6" DIB for all species; Trees 17.6" and greater DBH have a minimum top DOB of 40% of DOB at 16' or a 6" top, whichever is greater.

Take/Leave Prescription:

Cut all trees not marked with blue paint. Leave all hardwoods. Leave all trees within tagged and flagged "Leave Tree Areas". Leave 2 of largest snags per acre.

Cruise Acres determination:

Net harvest unit acreages are used for cruise acreages.

Stand composition:

The stands are second growth, variable aged Douglas fir, Engelmann Spruce, and alpine fir with minor components of lodgepole pine and western larch. Large residual trees are found within the sale area.

Timber quality:

Timber to be harvested is comprised of domestic quality Douglas fir (73%), Engelmann spruce (14%), alpine fir (10%), lodgepole pine (4%), and western larch (<1%).

Stand health/defect:

Older timber in the sale area can be rough, with branch clusters, sweep, and crooks. Other defects noted include forks, spike knots, wind and snow damage. Timber blowdown is observed in all units.

Aspect:

North, Northwest, West, Southwest, South, Southeast, East, Northeast

Elevation:
4920'-6000'.

Harvesting methods:
100% ground based.

Slope:
Unit 1- Max 54%, Avg 12%
Unit 2- Max 49%, Avg 19%
Unit 3- Max 40%, Avg 18%
Unit 4- Max 44%, Avg 13%
Unit 5- Max 55%, Avg 19%
Unit 6- Max 55%, Avg 15%
Unit 7- Max 55%, Avg 15%

Other considerations/remarks:
Some rocky terrain is to be expected throughout the sale. Heavy blowdown observed throughout portions of the sale.

Trust:
This sale is 100% Trust #3.

Timber Sale Notice Volume (MBF)

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	14.6			2,364	728	1,285	350
ES	14.4			523	168	306	49
AF	11.9			390	46	254	90
LP	9.9			149		92	57
WL	23.4			3	3	1	0
ALL	13.6			3,430	946	1,938	546

Timber Sale Notice Weight (tons)

Sp	Tons by Grade			
	All	2 Saw	3 Saw	4 Saw
DF	16,890	4,368	9,724	2,798
ES	3,212	868	1,998	346
AF	2,237	243	1,488	505
LP	868		567	302
WL	15	11	3	1
ALL	23,222	5,491	13,780	3,952

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 (%)
109.9	4.4	116.8	2.6	12,879	5.0

Timber Sale Unit Cruise Design

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
Q WOOD CHUTE U1	B1C: VR, 1 BAF (25.15) Measure/ Count Plots, Sighting Ht = 4.5 ft	59.9	59.9	43	14	1
Q WOOD CHUTE U2	B1C: VR, 1 BAF (25.15) Measure/ Count Plots, Sighting Ht = 4.5 ft	51.1	51.1	40	10	1
Q WOOD CHUTE U3	B1C: VR, 1 BAF (25.15) Measure/ Count Plots, Sighting Ht = 4.5 ft	23.9	23.9	19	7	1
Q WOOD CHUTE U4	B1C: VR, 1 BAF (33.61) Measure/ Count Plots, Sighting Ht = 4.5 ft	45.2	45.2	35	10	2
WOOD CHUTE U5	B1C: VR, 1 BAF (33.61) Measure/ Count Plots, Sighting Ht = 4.5 ft	24.0	24.5	18	6	0
WOOD CHUTE U6	B1C: VR, 1 BAF (33.61) Measure/ Count Plots, Sighting Ht = 4.5 ft	28.1	28.6	21	7	0
Q WOOD CHUTE U7	B1C: VR, 1 BAF (33.61) Measure/ Count Plots, Sighting Ht = 4.5 ft	29.7	29.7	19	7	0
WOOD CHUTE ROW	B1: VR, 1 BAF (25.15) Measure All, Sighting Ht = 4.5 ft	4.4	4.4	17	17	2
All		266.3	267.3	212	78	7

Timber Sale Log Grade x Sort Summary

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
AF	LIVE	2 SAW	Domestic	12.9	32	187	174	7.0	243.4	46.3
AF	LIVE	3 SAW	Domestic	7.7	32	960	953	0.6	1,488.1	253.9
AF	LIVE	4 SAW	Domestic	5.2	23	338	338	0.0	505.5	89.9
DF	LIVE	2 SAW	Domestic	13.7	32	2,833	2,735	3.4	4,368.2	728.3
DF	LIVE	3 SAW	Domestic	7.9	32	4,959	4,827	2.7	9,724.0	1,285.5
DF	LIVE	4 SAW	Domestic	5.3	23	1,349	1,313	2.7	2,797.6	349.7
DF	LIVE	CULL	Cull	8.0	28	66	0	100.0	0.0	0.0
ES	LIVE	2 SAW	Domestic	13.1	32	648	632	2.4	868.5	168.3
ES	LIVE	3 SAW	Domestic	7.9	32	1,202	1,150	4.3	1,997.8	306.3
ES	LIVE	4 SAW	Domestic	5.4	22	184	183	0.4	346.1	48.8
LP	LIVE	3 SAW	Domestic	6.9	32	358	345	3.6	566.6	91.8
LP	LIVE	4 SAW	Domestic	5.1	23	217	215	0.9	301.7	57.3

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
WL	LIVE	2 SAW	Domestic	17.5	32	10	10	0.0	10.7	2.6
WL	LIVE	3 SAW	Domestic	10.9	30	3	3	0.0	3.3	0.7
WL	LIVE	4 SAW	Domestic	6.6	24	0	0	0.0	0.9	0.1

Timber Sale Log Sort x Diameter Bin Summary

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
AF	5 - 8	LIVE	Domestic	5.8	26	886	0.0	1,419.3	235.8
AF	9 - 11	LIVE	Domestic	9.9	32	406	1.5	574.3	108.0
AF	12 - 14	LIVE	Domestic	12.5	32	143	0.0	197.2	38.1
AF	15 - 19	LIVE	Domestic	14.7	32	31	30.0	46.3	8.2
DF	5 - 8	LIVE	Domestic	5.9	27	3,494	2.3	7,398.5	930.6
DF	5 - 8	LIVE	Cull	7.5	26	0	100.0	0.0	0.0
DF	9 - 11	LIVE	Cull	9.6	32	0	100.0	0.0	0.0
DF	9 - 11	LIVE	Domestic	9.8	32	2,541	3.0	4,953.1	676.5
DF	12 - 14	LIVE	Domestic	12.9	32	1,848	2.9	3,020.2	492.0
DF	15 - 19	LIVE	Domestic	16.4	32	855	5.3	1,320.6	227.8
DF	20+	LIVE	Domestic	21.8	32	137	0.6	197.5	36.6
ES	5 - 8	LIVE	Domestic	6.0	27	747	2.1	1,364.1	198.8
ES	9 - 11	LIVE	Domestic	9.8	32	515	6.6	877.3	137.2
ES	12 - 14	LIVE	Domestic	12.6	32	544	2.8	772.9	144.8
ES	15 - 19	LIVE	Domestic	16.2	32	160	0.0	198.0	42.7
LP	5 - 8	LIVE	Domestic	5.7	27	535	2.7	836.4	142.5
LP	9 - 11	LIVE	Domestic	9.7	32	25	0.0	31.8	6.6
WL	5 - 8	LIVE	Domestic	6.6	24	0	0.0	0.9	0.1
WL	9 - 11	LIVE	Domestic	10.9	30	3	0.0	3.3	0.7
WL	15 - 19	LIVE	Domestic	15.7	32	6	0.0	6.7	1.6
WL	20+	LIVE	Domestic	23.3	32	4	0.0	4.1	1.0

Cruise Unit Report
Q WOOD CHUTE U1

Unit Sale Notice Volume (MBF): Q WOOD CHUTE U1

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	15.8			403	174	176	54
ES	14.0			177	57	103	17
AF	12.5			63	6	47	10
LP	10.3			55		46	8
ALL	14.1			698	237	372	89

Unit Cruise Design: Q WOOD CHUTE U1

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (25.15) Measure/Count Plots, Sighting Ht = 4.5 ft	59.9	59.9	43	14	1

Unit Cruise Summary: Q WOOD CHUTE U1

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	24	94	2.2	0
ES	10	44	1.0	0
AF	9	15	0.3	0
LP	3	14	0.3	0
ALL	46	167	3.9	0

Unit Cruise Statistics: Q WOOD CHUTE 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	55.0	124.8	19.0	122.4	32.8	6.7	6,732	129.0	20.2
ES	25.7	173.9	26.5	114.9	42.3	13.4	2,957	179.0	29.7
AF	8.8	215.6	32.9	120.4	31.5	10.5	1,056	217.9	34.5
LP	8.2	282.1	43.0	111.1	16.7	9.6	910	282.6	44.1
ALL	97.7	63.6	9.7	119.3	33.3	4.9	11,655	71.8	10.9

Unit Summary: Q WOOD CHUTE U1

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
AF	LIVE	CUT	9	ALL	12.5	58	72	1,056	1,056	0.0	10.3	8.8	2.5	63.3
DF	LIVE	CUT	24	ALL	15.8	62	77	7,028	6,732	4.2	40.4	55.0	13.8	403.2
ES	LIVE	CUT	10	ALL	14.0	54	67	3,073	2,957	3.8	24.1	25.7	6.9	177.1
LP	LIVE	CUT	3	ALL	10.3	61	75	910	910	0.0	14.2	8.2	2.6	54.5
ALL	LIVE	CUT	46	ALL	14.2	59	73	12,067	11,655	3.4	89.0	97.7	25.7	698.2
ALL	ALL	CUT	46	ALL	14.2	59	73	12,067	11,655	3.4	89.0	97.7	25.7	698.2

Cruise Unit Report

Q WOOD CHUTE U2

Unit Sale Notice Volume (MBF): Q WOOD CHUTE U2

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	14.9			387	156	189	43
ES	14.8			167	65	84	18
AF	9.0			25			25
ALL	14.6			580	221	273	86

Unit Cruise Design: Q WOOD CHUTE U2

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (25.15) Measure/Count Plots, Sighting Ht = 4.5 ft	51.1	51.1	40	10	1

Unit Cruise Summary: Q WOOD CHUTE U2

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	26	106	2.7	0
ES	16	32	0.8	0
AF	1	8	0.2	0
ALL	43	146	3.7	0

Unit Cruise Statistics: Q WOOD CHUTE 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	66.6	77.6	12.3	113.7	40.9	8.0	7,581	87.8	14.7
ES	20.1	212.2	33.6	162.9	38.0	9.5	3,277	215.6	34.9
AF	5.0	258.2	40.8	97.3	0.0	0.0	490	258.2	40.8
ALL	91.8	62.2	9.8	123.6	46.1	7.0	11,347	77.5	12.1

Unit Summary: Q WOOD CHUTE U2

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
AF	LIVE	CUT	1	ALL	9.0	50	62	490	490	0.0	11.4	5.0	1.7	25.0
DF	LIVE	CUT	26	ALL	14.9	57	71	7,702	7,581	1.6	55.0	66.6	17.3	387.4
ES	LIVE	CUT	16	ALL	14.8	65	82	3,352	3,277	2.2	16.8	20.1	5.2	167.4

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
ALL	LIVE	CUT	43	ALL	14.2	58	72	11,544	11,347	1.7	83.2	91.8	24.2	579.8
ALL	ALL	CUT	43	ALL	14.2	58	72	11,544	11,347	1.7	83.2	91.8	24.2	579.8

Cruise Unit Report
Q WOOD CHUTE U3

Unit Sale Notice Volume (MBF): Q WOOD CHUTE U3

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	12.7			115	15	69	31
AF	11.0			21	8	4	9
ES	14.2			16		12	3
LP	8.8			13		6	7
ALL	11.9			165	23	90	51

Unit Cruise Design: Q WOOD CHUTE U3

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (25.15) Measure/Count Plots, Sighting Ht = 4.5 ft	23.9	23.9	19	7	1

Unit Cruise Summary: Q WOOD CHUTE U3

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	10	42	2.2	0
AF	3	7	0.4	0
ES	3	5	0.3	0
LP	2	3	0.2	0
ALL	18	57	3.0	0

Unit Cruise Statistics: Q WOOD CHUTE 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	55.6	102.9	23.6	86.6	61.3	19.4	4,816	119.8	30.5
AF	9.3	225.5	51.7	95.4	73.4	42.4	884	237.1	66.9
ES	6.6	213.5	49.0	98.7	49.9	28.8	653	219.3	56.8
LP	4.0	317.6	72.9	138.5	28.6	20.2	550	318.9	75.6
ALL	75.5	80.9	18.6	91.5	56.9	13.4	6,903	98.9	22.9

Unit Summary: Q WOOD CHUTE U3

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
AF	LIVE	CUT	3	ALL	11.0	37	44	1,099	884	19.5	14.0	9.3	2.8	21.1
DF	LIVE	CUT	10	ALL	12.7	50	61	5,229	4,816	7.9	63.2	55.6	15.6	115.1
ES	LIVE	CUT	3	ALL	14.2	62	78	724	653	9.9	6.0	6.6	1.8	15.6
LP	LIVE	CUT	2	ALL	8.8	64	80	550	550	0.0	9.4	4.0	1.3	13.1
ALL	LIVE	CUT	18	ALL	12.2	50	61	7,602	6,903	9.2	92.6	75.5	21.5	165.0
ALL	ALL	CUT	18	ALL	12.2	50	61	7,602	6,903	9.2	92.6	75.5	21.5	165.0

Cruise Unit Report
Q WOOD CHUTE U4

Unit Sale Notice Volume (MBF): Q WOOD CHUTE U4

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	13.1			446	88	281	78
AF	10.6			111		69	42
LP	8.8			33		16	16
ES	9.0			10		10	
ALL	12.0			599	88	376	136

Unit Cruise Design: Q WOOD CHUTE U4

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (33.61) Measure/Count Plots, Sighting Ht = 4.5 ft	45.2	45.2	35	10	2

Unit Cruise Summary: Q WOOD CHUTE U4

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	30	93	2.7	0
AF	4	21	0.6	0
LP	2	8	0.2	0
ES	2	2	0.1	0
ALL	38	124	3.5	0

Unit Cruise Statistics: Q WOOD CHUTE 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	89.3	91.7	15.5	110.5	42.1	7.7	9,865	100.9	17.3
AF	20.2	181.7	30.7	121.7	13.2	6.6	2,454	182.2	31.4
LP	7.7	282.5	47.7	94.0	0.8	0.5	722	282.5	47.7
ES	1.9	591.6	100.0	113.2	3.1	2.2	217	591.6	100.0
ALL	119.1	67.9	11.5	111.3	37.5	6.1	13,258	77.5	13.0

Unit Summary: Q WOOD CHUTE U4

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
AF	LIVE	CUT	4	ALL	10.6	59	73	2,454	2,454	0.0	32.9	20.2	6.2	110.9
DF	LIVE	CUT	30	ALL	13.1	56	69	10,271	9,865	4.0	95.4	89.3	24.7	445.9
ES	LIVE	CUT	2	ALL	9.0	57	71	217	217	0.0	4.3	1.9	0.6	9.8
LP	LIVE	CUT	2	ALL	8.8	48	58	722	722	0.0	18.2	7.7	2.6	32.7
ALL	LIVE	CUT	38	ALL	12.0	56	69	13,665	13,258	3.0	150.8	119.1	34.1	599.3
ALL	ALL	CUT	38	ALL	12.0	56	69	13,665	13,258	3.0	150.8	119.1	34.1	599.3

Cruise Unit Report

WOOD CHUTE U5

Unit Sale Notice Volume (MBF): WOOD CHUTE U5

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	15.4			365	108	204	54
AF	14.0			31		31	
ES	11.2			16	7	5	3
LP	12.2			10		8	2
ALL	14.4			422	115	248	60

Unit Cruise Design: WOOD CHUTE U5

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (33.61) Measure/Count Plots, Sighting Ht = 4.5 ft	24.0	24.5	18	6	0

Unit Cruise Summary: WOOD CHUTE U5

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	22	72	4.0	0
AF	1	4	0.2	0
ES	3	3	0.2	0
LP	2	2	0.1	0
ALL	28	81	4.5	0

Unit Cruise Statistics: WOOD CHUTE 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	134.4	64.7	15.3	113.2	30.5	6.5	15,223	71.6	16.6
AF	7.5	246.7	58.2	173.1	0.0	0.0	1,293	246.7	58.2
ES	5.6	230.1	54.2	117.1	73.2	42.3	656	241.5	68.8
LP	3.7	291.0	68.6	115.8	14.4	10.2	432	291.4	69.4
ALL	151.2	60.6	14.3	116.4	34.5	6.5	17,604	69.7	15.7

Unit Summary: WOOD CHUTE U5

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
AF	LIVE	CUT	1	ALL	14.0	71	90	1,293	1,293	0.0	7.0	7.5	2.0	31.0
DF	LIVE	CUT	22	ALL	15.4	62	77	16,356	15,223	6.9	103.9	134.4	34.3	365.4
ES	LIVE	CUT	3	ALL	11.2	48	59	828	656	20.8	8.2	5.6	1.7	15.7
LP	LIVE	CUT	2	ALL	12.2	58	73	488	432	11.5	4.6	3.7	1.1	10.4
ALL	LIVE	CUT	28	ALL	15.0	61	77	18,965	17,604	7.2	123.7	151.2	39.0	422.5
ALL	ALL	CUT	28	ALL	15.0	61	77	18,965	17,604	7.2	123.7	151.2	39.0	422.5

Cruise Unit Report
WOOD CHUTE U6

Unit Sale Notice Volume (MBF): WOOD CHUTE U6

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	15.0			304	120	159	25
ES	16.1			56	21	33	1
LP	8.8			29		9	21
AF	10.9			26		24	3
ALL	13.0			416	141	225	50

Unit Cruise Design: WOOD CHUTE U6

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (33.61) Measure/Count Plots, Sighting Ht = 4.5 ft	28.1	28.6	21	7	0

Unit Cruise Summary: WOOD CHUTE U6

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	20	62	3.0	0
ES	2	7	0.3	0
LP	4	7	0.3	0
AF	2	6	0.3	0
ALL	28	82	3.9	0

Unit Cruise Statistics: WOOD CHUTE U6

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	99.2	74.6	16.3	108.9	42.7	9.5	10,806	85.9	18.9
ES	11.2	238.7	52.1	177.7	13.7	9.7	1,991	239.1	53.0
LP	11.2	219.1	47.8	93.7	34.4	17.2	1,050	221.8	50.8
AF	9.6	162.0	35.4	98.1	19.2	13.6	942	163.2	37.9
ALL	131.2	45.0	9.8	112.7	40.3	7.6	14,789	60.4	12.4

Unit Summary: WOOD CHUTE U6

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
AF	LIVE	CUT	2	ALL	10.9	52	64	942	942	0.0	14.8	9.6	2.9	26.5
DF	LIVE	CUT	20	ALL	15.0	54	66	11,004	10,806	1.8	80.9	99.2	25.6	303.7
ES	LIVE	CUT	2	ALL	16.1	79	101	2,043	1,991	2.5	7.9	11.2	2.8	56.0
LP	LIVE	CUT	4	ALL	8.8	47	58	1,140	1,050	8.0	26.5	11.2	3.8	29.5
ALL	LIVE	CUT	28	ALL	13.6	54	67	15,129	14,789	2.2	130.1	131.2	35.1	415.6
ALL	ALL	CUT	28	ALL	13.6	54	67	15,129	14,789	2.2	130.1	131.2	35.1	415.6

Cruise Unit Report

Q WOOD CHUTE U7

Unit Sale Notice Volume (MBF): Q WOOD CHUTE U7

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	14.3			322	61	199	63
AF	13.3			108	31	77	
ES	15.2			68	14	52	3
LP	14.0			8		7	2
ALL	14.3			508	106	334	68

Unit Cruise Design: Q WOOD CHUTE U7

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (33.61) Measure/Count Plots, Sighting Ht = 4.5 ft	29.7	29.7	19	7	0

Unit Cruise Summary: Q WOOD CHUTE U7

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	16	51	2.7	0
AF	3	15	0.8	0
ES	4	8	0.4	0
LP	1	1	0.1	0
ALL	24	75	3.9	0

Unit Cruise Statistics: Q WOOD CHUTE U7

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	90.2	87.9	20.2	120.3	34.1	8.5	10,856	94.2	21.9
AF	26.5	143.7	33.0	137.5	26.5	15.3	3,648	146.1	36.3
ES	14.2	182.5	41.9	162.6	22.2	11.1	2,301	183.9	43.3
LP	1.8	435.9	100.0	160.0	0.0	0.0	283	435.9	100.0
ALL	132.7	51.0	11.7	128.8	31.8	6.5	17,088	60.1	13.4

Unit Summary: Q WOOD CHUTE U7

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
AF	LIVE	CUT	3	ALL	13.3	63	79	3,648	3,648	0.0	27.5	26.5	7.3	108.3
DF	LIVE	CUT	16	ALL	14.3	61	76	10,961	10,856	1.0	80.9	90.2	23.9	322.4
ES	LIVE	CUT	4	ALL	15.2	67	84	2,301	2,301	0.0	11.2	14.2	3.6	68.3
LP	LIVE	CUT	1	ALL	14.0	65	82	283	283	0.0	1.7	1.8	0.5	8.4
ALL	LIVE	CUT	24	ALL	14.2	62	78	17,193	17,088	0.6	121.3	132.7	35.2	507.5
ALL	ALL	CUT	24	ALL	14.2	62	78	17,193	17,088	0.6	121.3	132.7	35.2	507.5

Cruise Unit Report
WOOD CHUTE ROW

Unit Sale Notice Volume (MBF): WOOD CHUTE ROW

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	16.2			20	7	10	3
ES	12.2			13	4	7	2
AF	9.8			4	1	2	1
WL	23.4			3	3	1	0
LP	7.9			1			1
ALL	13.2			42	15	20	7

Unit Cruise Design: WOOD CHUTE ROW

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (25.15) Measure All, Sighting Ht = 4.5 ft	4.4	4.4	17	17	2

Unit Cruise Summary: WOOD CHUTE ROW

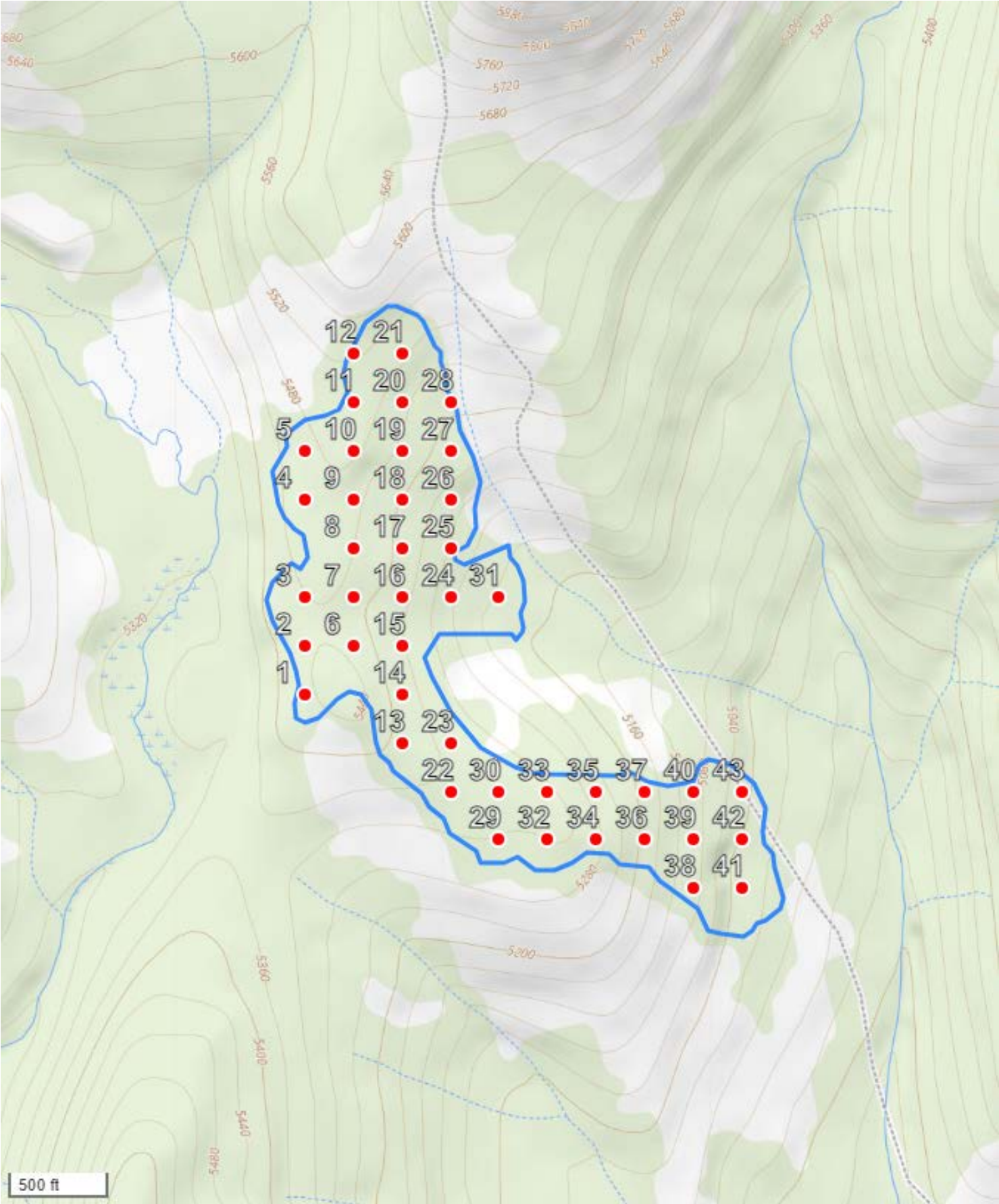
Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	21	21	1.2	0
ES	15	15	0.9	0
AF	5	5	0.3	0
WL	2	2	0.1	0
LP	1	1	0.1	0
ALL	44	44	2.6	0

Unit Cruise Statistics: WOOD CHUTE ROW

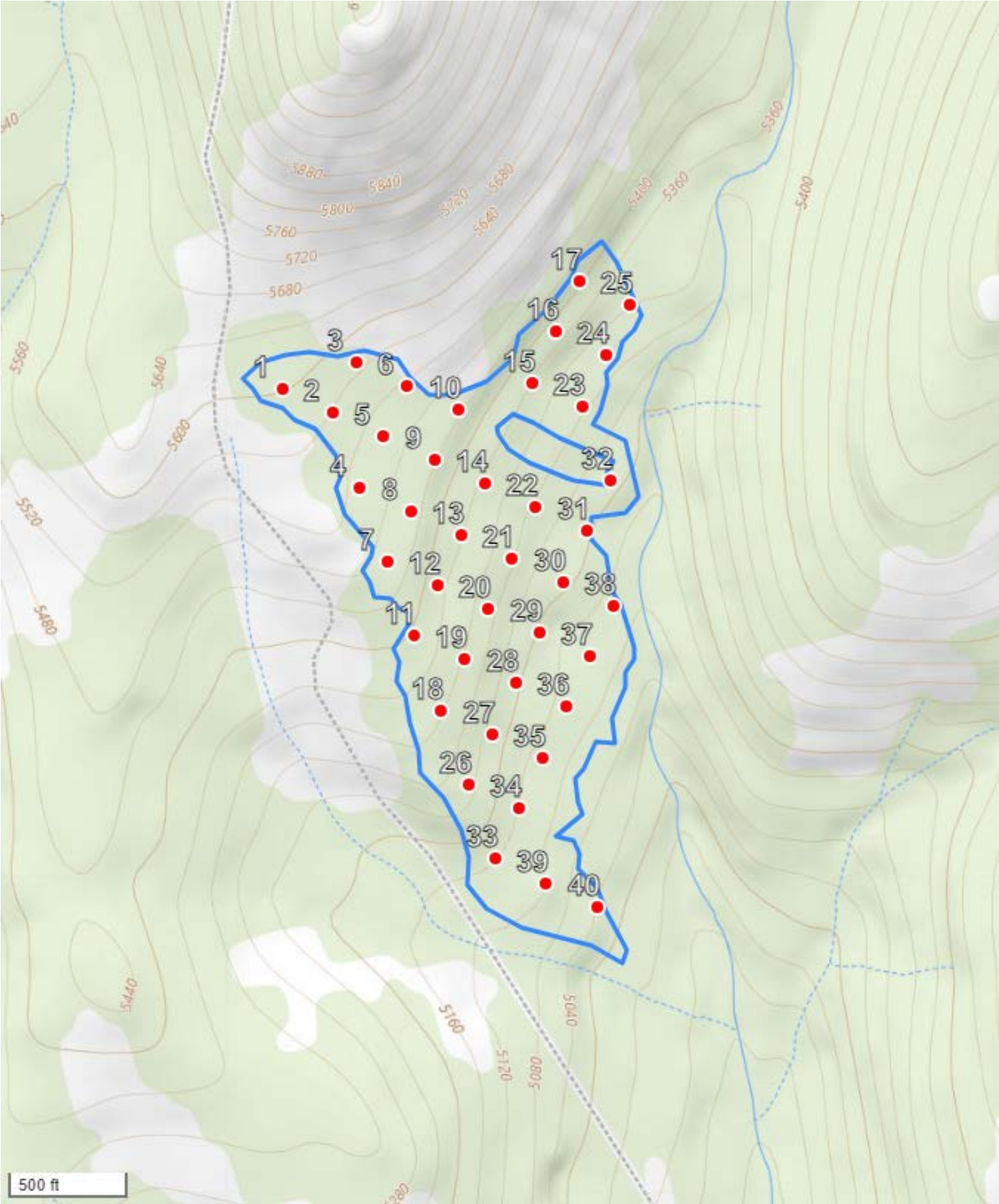
Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	31.1	116.4	28.2	149.7	52.1	11.4	4,652	127.5	30.4
ES	22.2	164.6	39.9	137.3	42.0	10.9	3,046	169.9	41.4
AF	7.4	233.2	56.6	121.8	44.5	19.9	901	237.4	60.0
WL	3.0	282.3	68.5	260.9	13.0	9.2	772	282.6	69.1
LP	1.5	412.3	100.0	91.1	0.0	0.0	135	412.3	100.0
ALL	65.1	78.5	19.0	146.0	48.4	7.3	9,506	92.3	20.4

Unit Summary: WOOD CHUTE ROW

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
AF	LIVE	CUT	5	ALL	9.8	50	62	901	901	0.0	14.1	7.4	2.4	4.0
DF	LIVE	CUT	21	ALL	16.2	58	73	4,745	4,652	1.9	21.7	31.1	7.7	20.5
ES	LIVE	CUT	15	ALL	12.2	53	66	3,056	3,046	0.3	27.3	22.2	6.4	13.4
LP	LIVE	CUT	1	ALL	7.9	51	63	135	135	0.0	4.3	1.5	0.5	0.6
WL	LIVE	CUT	2	ALL	23.4	91	116	772	772	0.0	1.0	3.0	0.6	3.4
ALL	LIVE	CUT	44	ALL	13.2	55	68	9,609	9,506	1.1	68.4	65.1	17.6	41.8
ALL	ALL	CUT	44	ALL	13.2	55	68	9,609	9,506	1.1	68.4	65.1	17.6	41.8



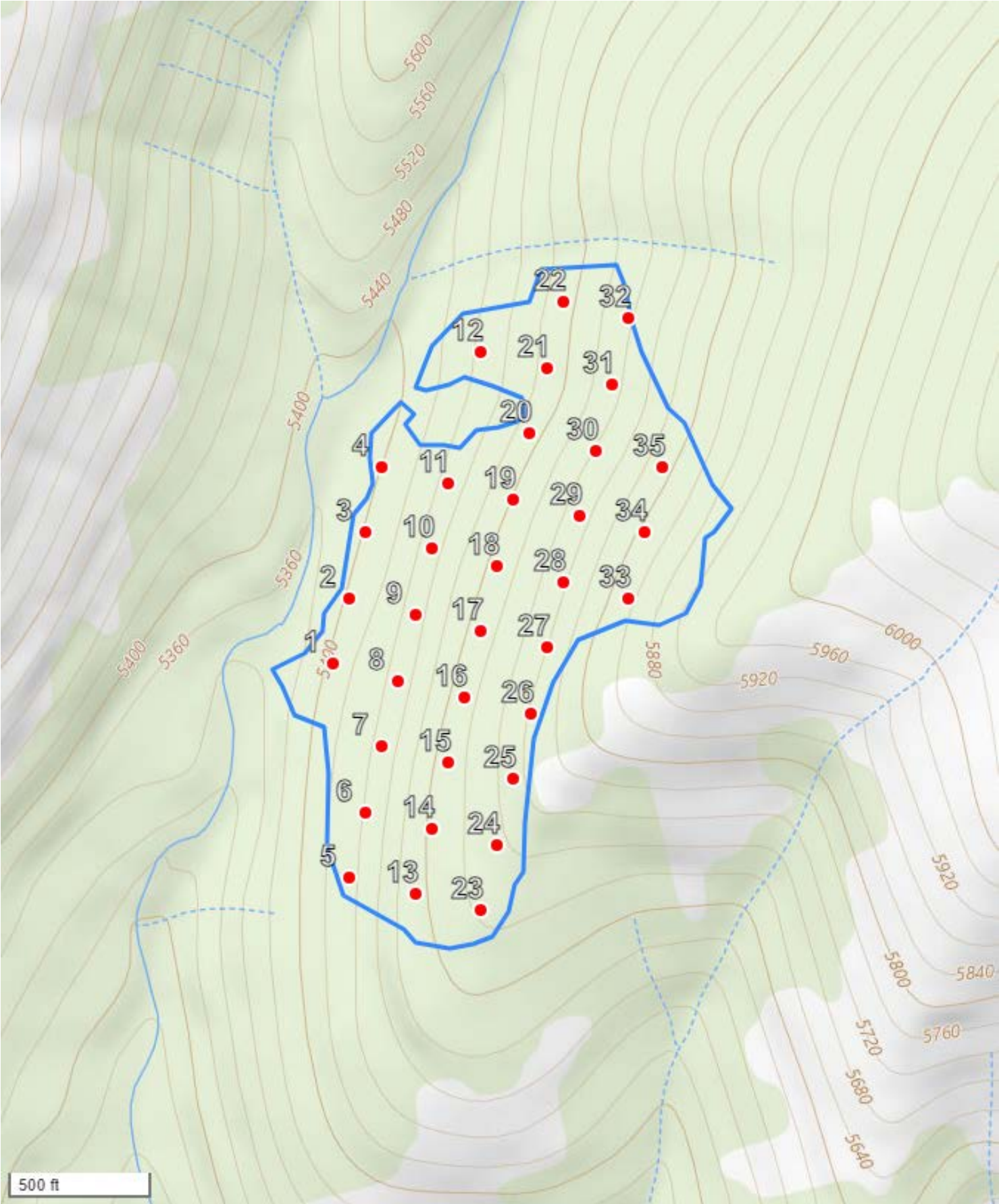
FMA Name: Q WOOD CHUTE U1	N Plots: 43	Plot Spacing: 240.5 ft
Grid Name: Q WOOD CHUTE U1 - 1	Acres Treated: 59.9	Main Azimuth: 0 deg



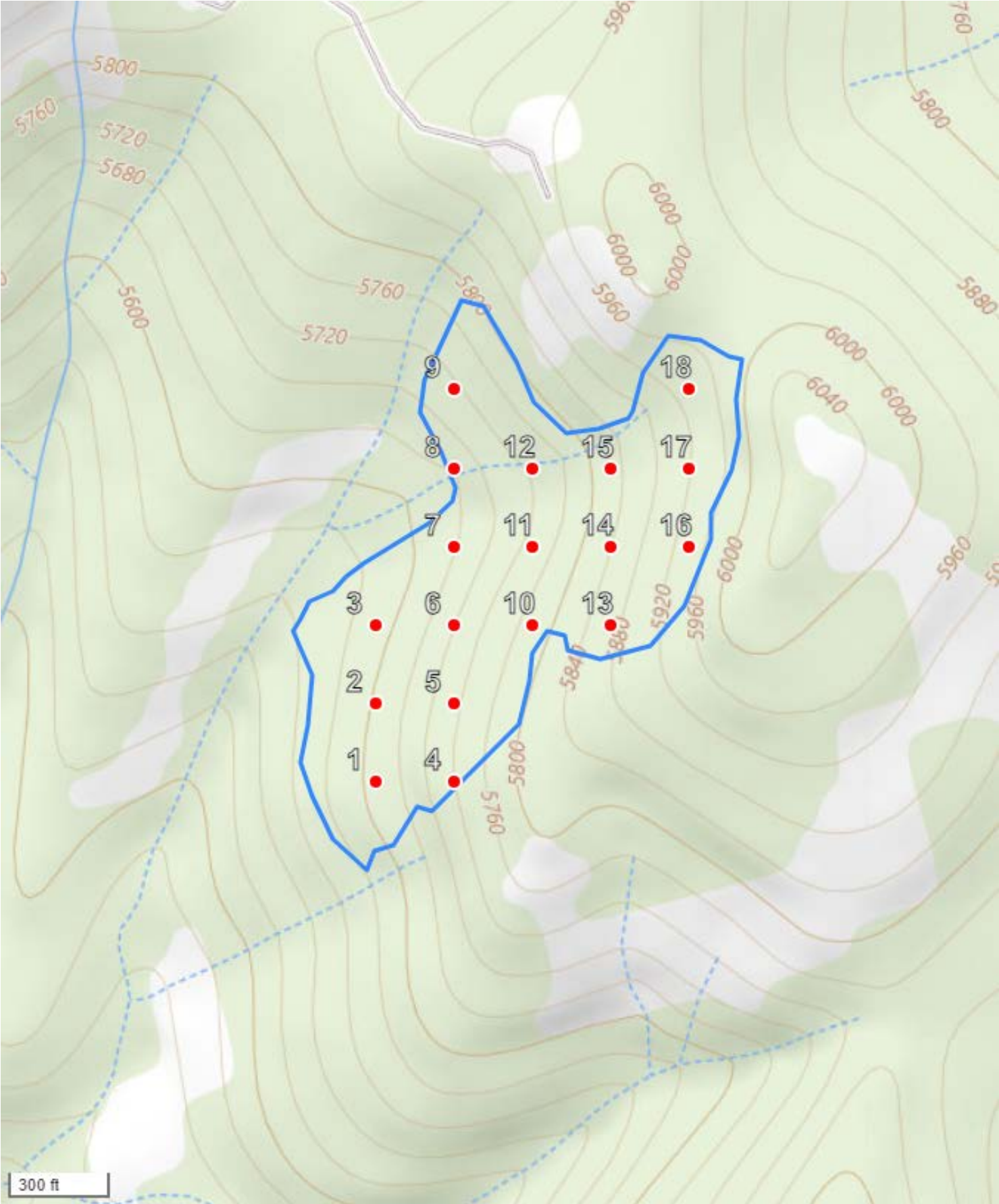
FMA Name: Q WOOD CHUTE U2	N Plots: 40	Plot Spacing: 232.6 ft
Grid Name: Q WOOD CHUTE U2 - 1	Acres Treated: 51.1	Main Azimuth: 25 deg



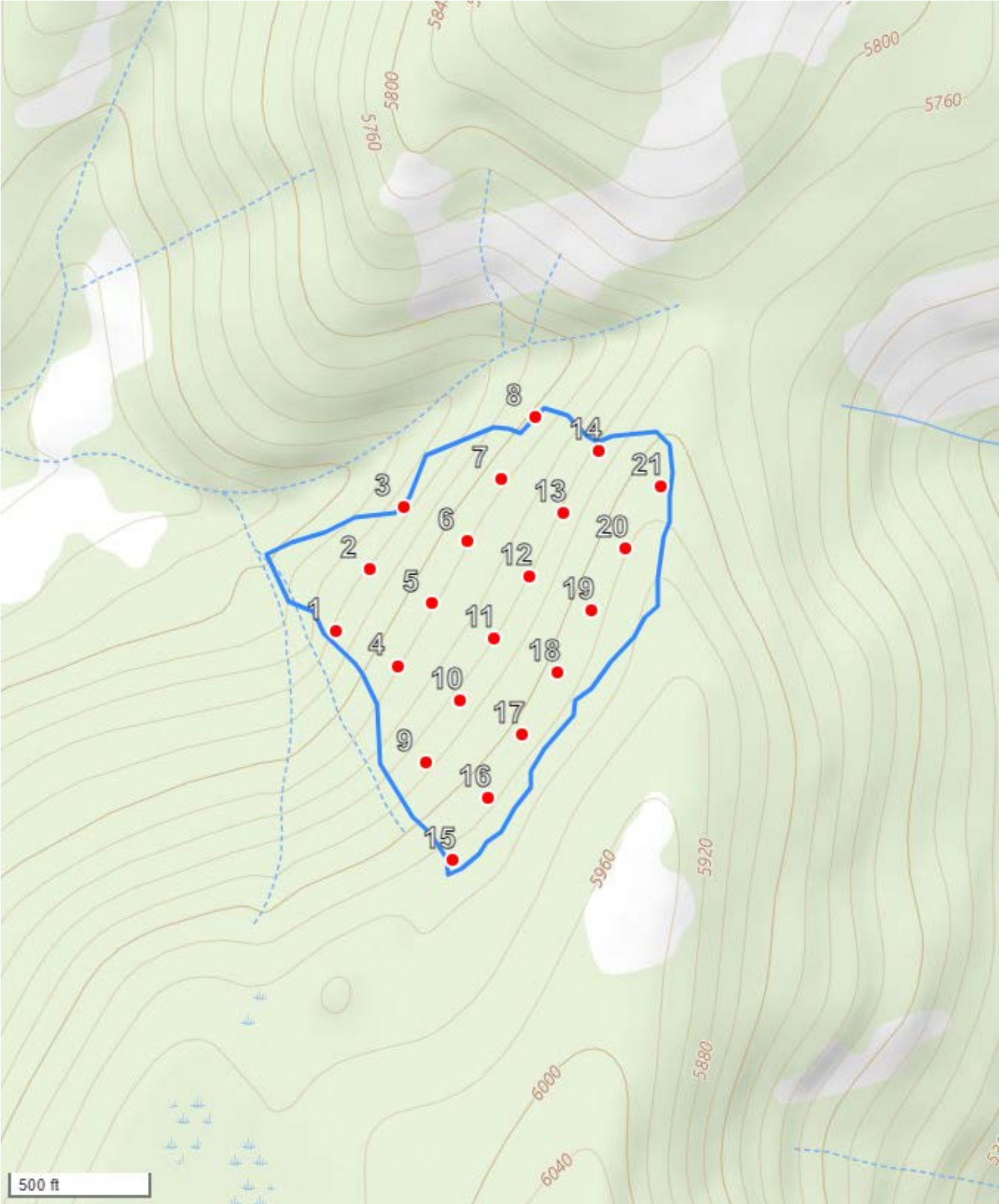
FMA Name: Q WOOD CHUTE U3	N Plots: 19	Plot Spacing: 227.8 ft
Grid Name: Q WOOD CHUTE U3 - 1	Acres Treated: 23.9	Main Azimuth: 17 deg



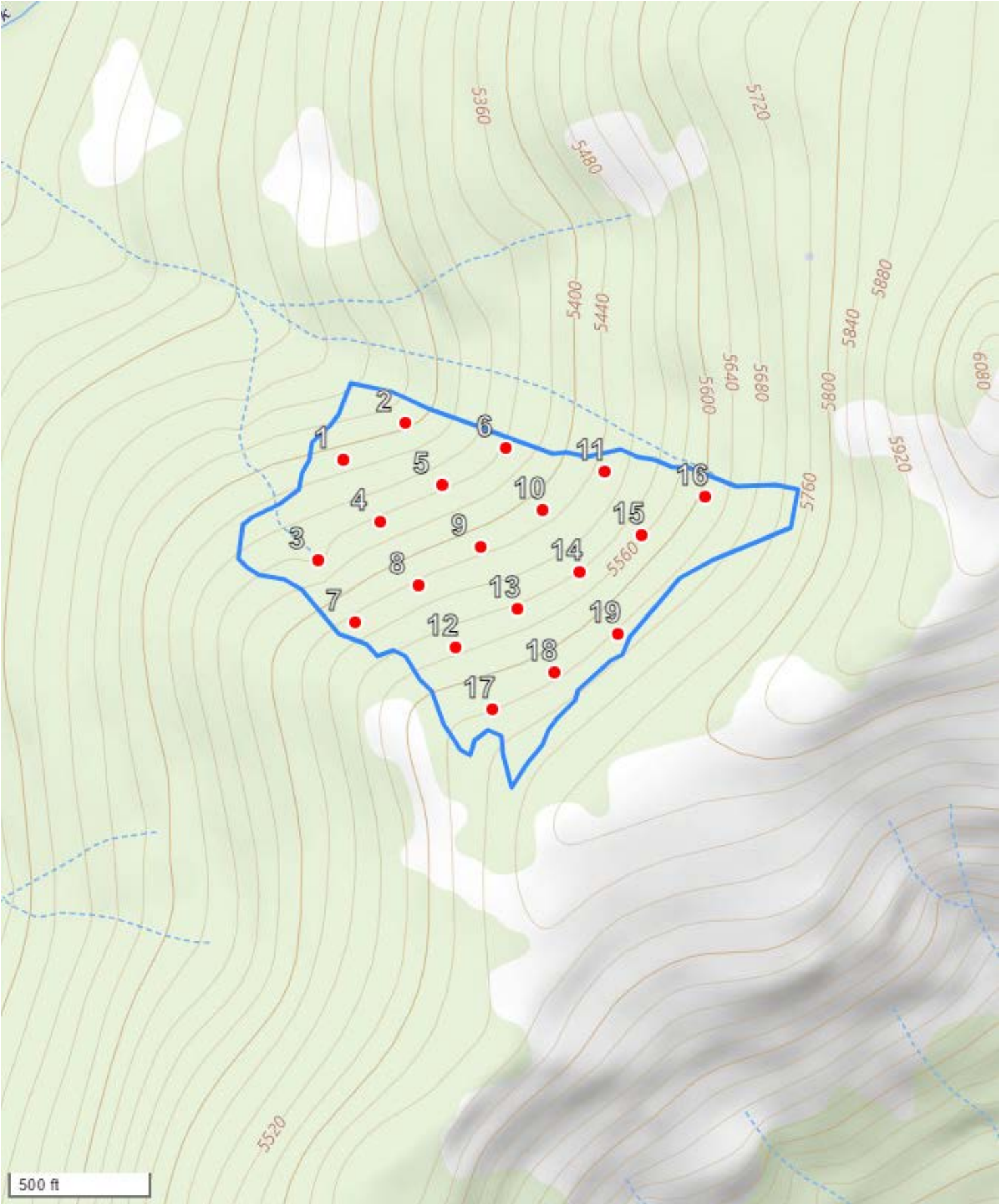
FMA Name: Q WOOD CHUTE U4	N Plots: 35	Plot Spacing: 237 ft
Grid Name: Q WOOD CHUTE U4 - 1	Acres Treated: 45.2	Main Azimuth: 14 deg



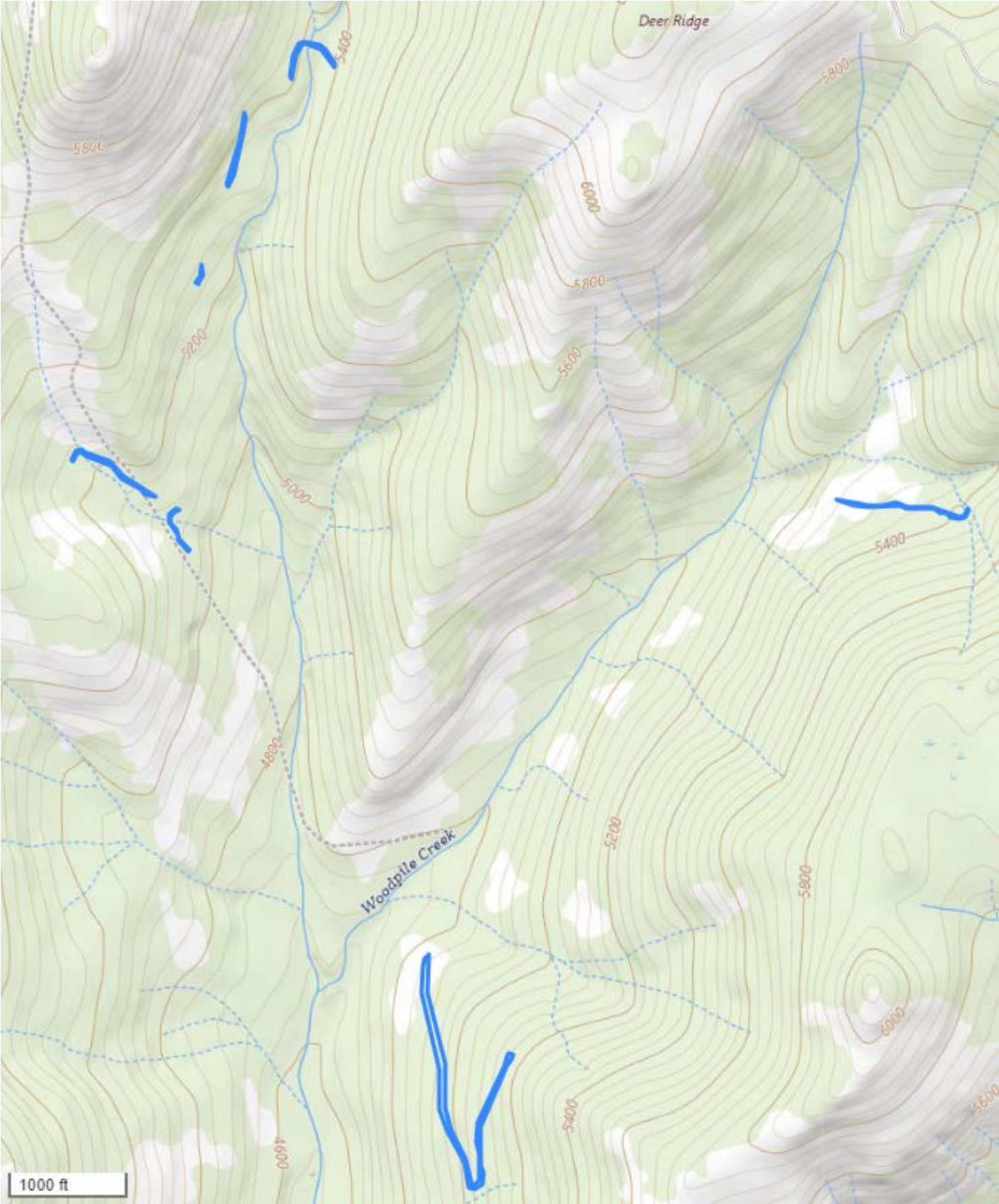
FMA Name: WOOD CHUTE U5	N Plots: 18	Plot Spacing: 230.5 ft
Grid Name: WOOD CHUTE U5 - 1	Acres Treated: 24	Main Azimuth: 0 deg



FMA Name: WOOD CHUTE U6	N Plots: 21	Plot Spacing: 249.2 ft
Grid Name: WOOD CHUTE U6 - 1	Acres Treated: 28.1	Main Azimuth: 29 deg



FMA Name: Q WOOD CHUTE U7	N Plots: 19	Plot Spacing: 254.1 ft
Grid Name: Q WOOD CHUTE U7 - 1	Acres Treated: 29.7	Main Azimuth: 59 deg



FMA Name: WOOD CHUTE ROW	N Plots:	Plot Spacing: NaN ft
Grid Name: WOOD CHUTE ROW	Acres Treated: 4.2	Main Azimuth: NaN deg



Forest Practices Application/Notification Notice of Decision

FPA/N No: 3027333

Effective Date: 11/04/2024

Expiration Date: 11/04/2027

Shut Down Zone: 678 W

EARR Tax Credit: ☒ Eligible ☐ Non-eligible

Reference: Wood Chute

2,3,4,10-37-24 28,33,34,35-38-24

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

Timing Limitations on Type S and F water(s):

All work below the ordinary high water line shall only occur between June 15 and September 30.

Condition(s) required for approval/disapproval:

- Notify the Department of Natural Resources Forest Practices Forester at least 2 business days before beginning work in Type S or F water(s). Provide the application number and legal description for your activity.

Notes:

- Note: Apply grass seed and mulch to exposed soils adjacent to stream crossings immediately after construction. See WAC 222-24-030 (4).

Issued By: Kyle Buckmiller

Region: Northeast

Title: Forest Practices Forester

Date: 11/04/2024

Copies to: ☒ Landowner, Timber Owner and Operator

Issued in person: ☒ LO ☒ TO ☐ OP By: _____

Date: _____

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 Northeast Region
Physical Address 1111 Israel Road, SW Suite 301 Tumwater, WA 98501 Mailing address Post Office Box 40903 Olympia, WA 98504-0903	Physical Address 1125 Washington Street, SE Olympia, WA 98504 Mailing Address Post Office Box 40100 Olympia, WA 98504-0100	Physical & Mailing Address 225 S. Silke Road Colville, WA 99114

Information regarding the Pollution Control Hearings Board can be found at: <https://eluhio.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

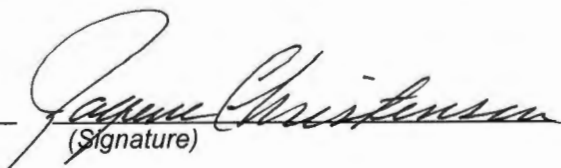
I, Ragene Christensen, caused the Notice of Decision for FPA/N No. 3027333 to be placed in the United States mail at Colville, WA, postage paid. I declare under penalty of perjury of the laws of the State of Washington, that the foregoing is true and correct.

11/04/2024

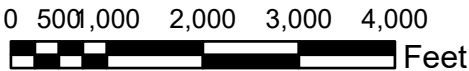
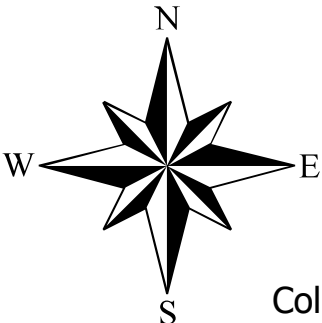
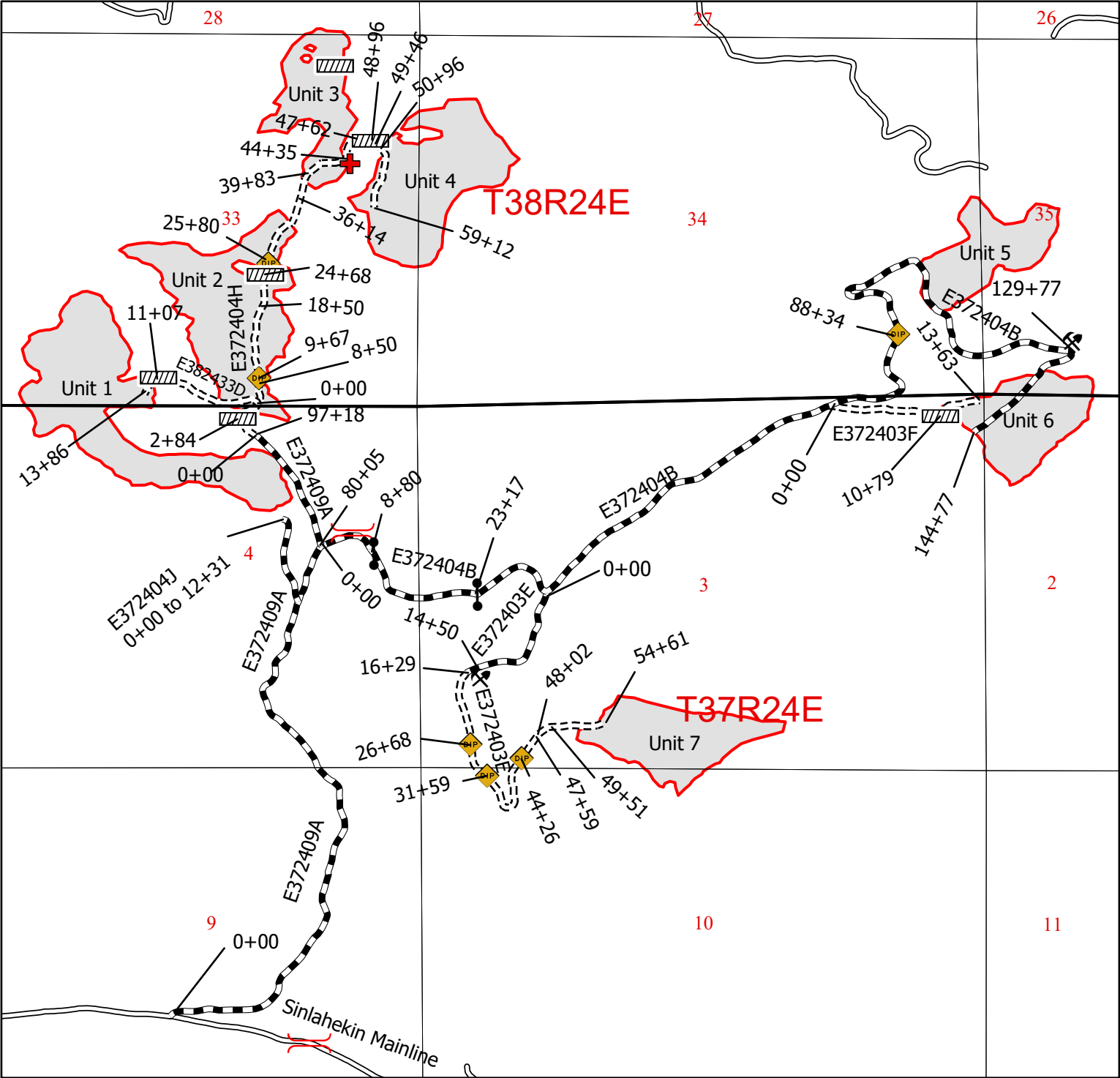
(Date)

Colville, WA

(City & State where signed)


(Signature)

Washington State Department of Natural Resources



Legend

	Armored Dip
	Rock Source
	Gate
	Waste Area
	Unit Boundary
	Bridge

Washington State Department of Natural Resources

Sale Name: Wood Chute

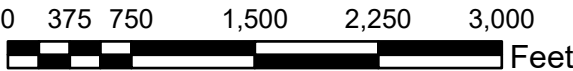
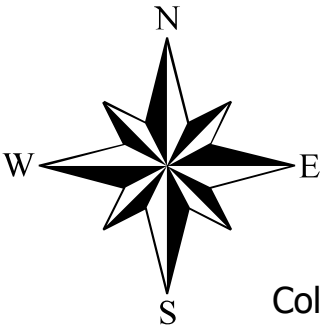
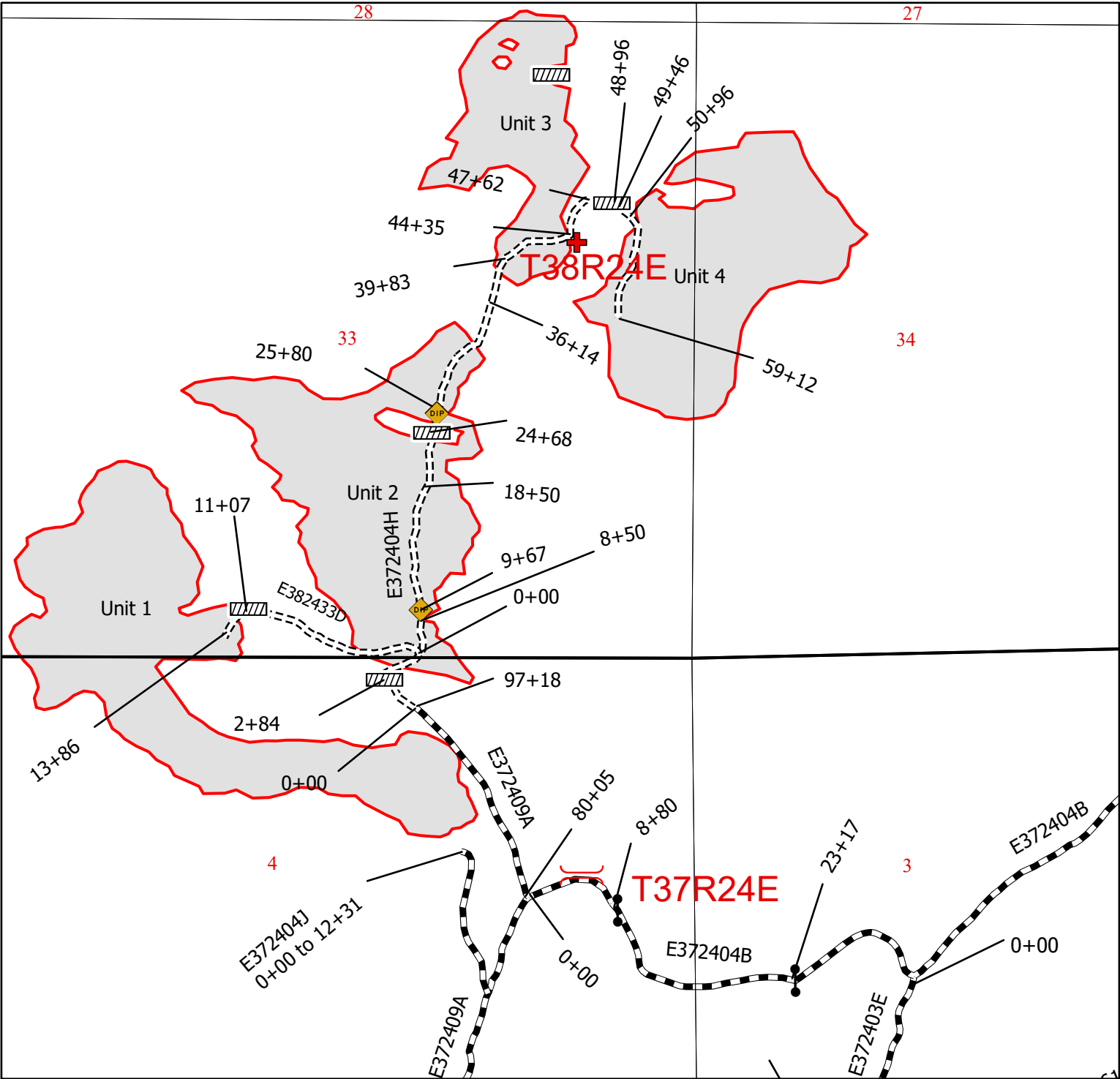
Road Plan Map

Region: Northeast

Agreement No: 30-106639

Page 2 of 5

County: Okanogan



Colin Rojas

6/17/2024

Scale: 1:14000

Legend

- Culvert
- Section Lines
- Township Lines
- Roads
- Existing Roads
- PHM
- ArmoredDip
- RockSource
- Gate
- Waste Area
- Bridges
- Unit Boundary

Washington State Department of Natural Resources

Sale Name: Wood Chute

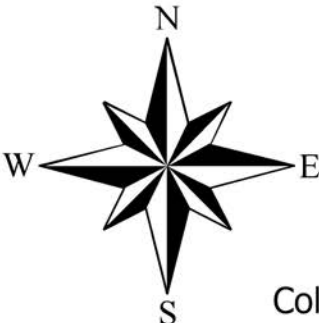
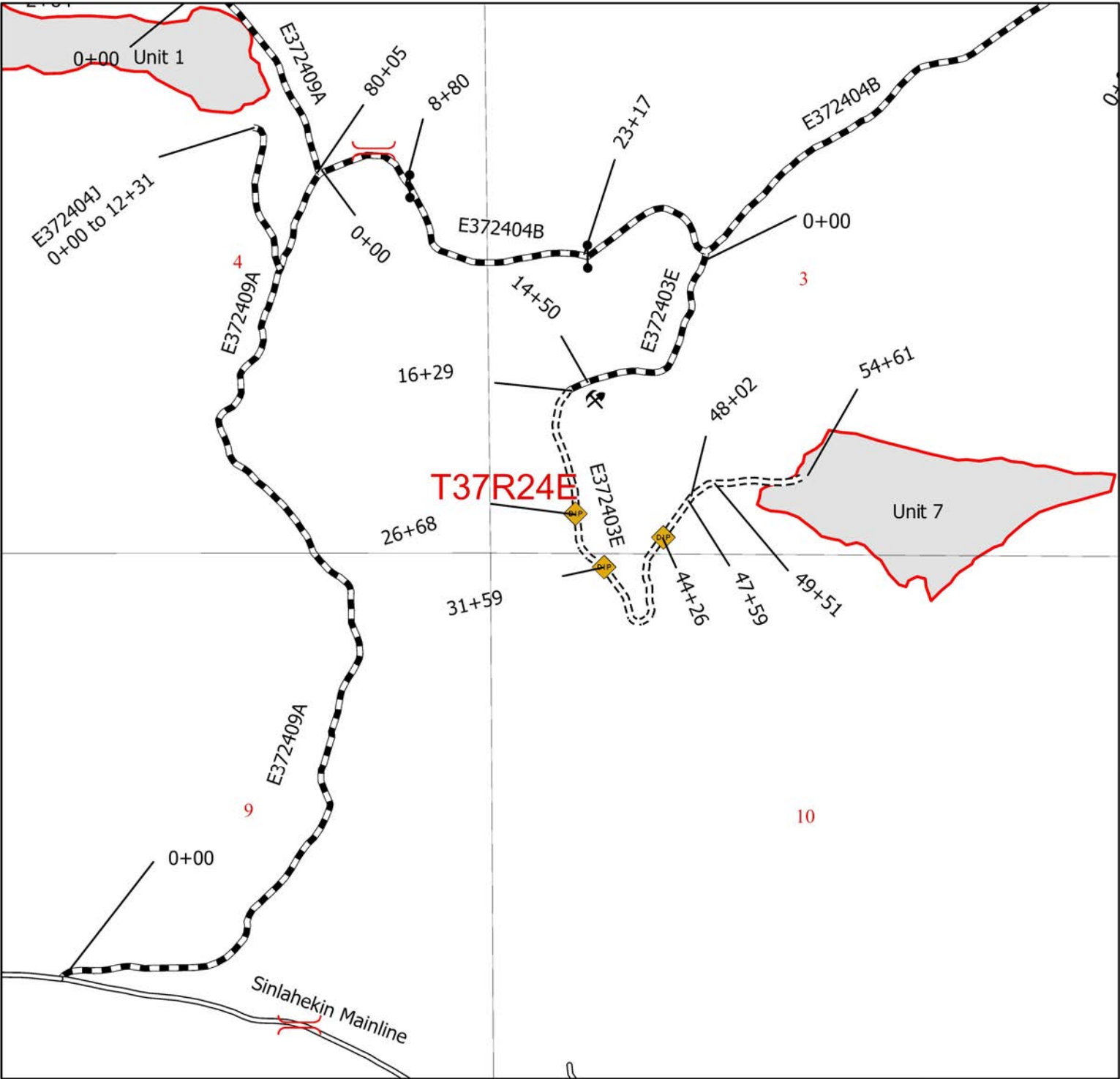
Road Plan Map

Region: Northeast

Agreement No: 30-106639

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County: Okanogan



Colin Rojas

6/17/2024

Scale: 1:14000

Legend

- Culvert
- Section Lines
- Township Lines
- Roads
 - Existing Roads
 - construction
 - PHM

- ArmoredDip
- RockSource
- Gate
- Waste Area
- Unit Boundary
- Bridge

Washington State Department of Natural Resources

Sale Name: Wood Chute

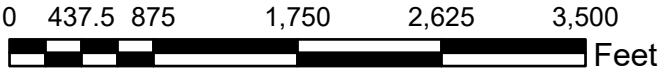
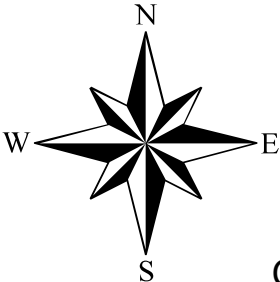
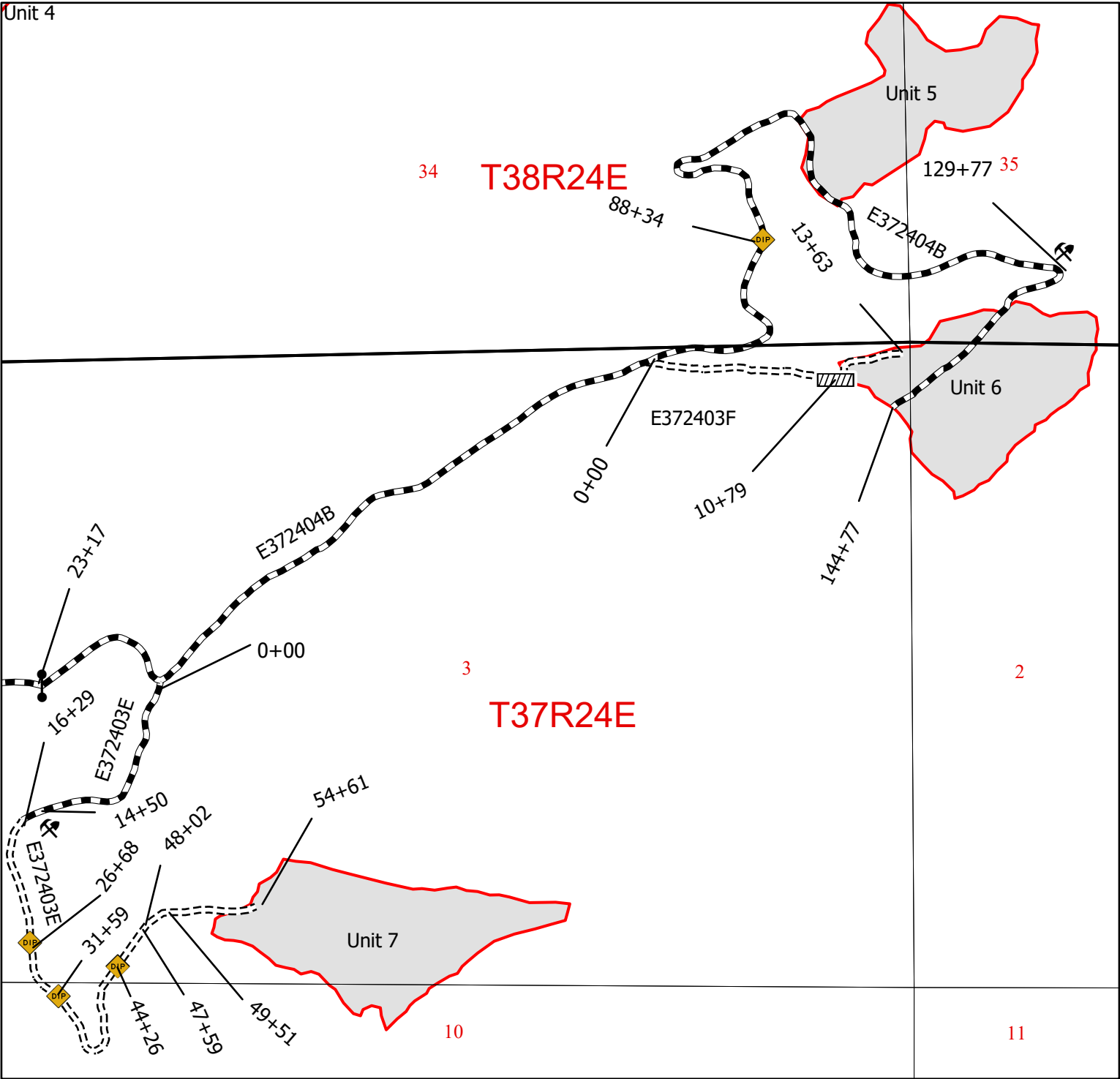
Road Plan Map

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Colin Rojas 6/17/2024 Scale: 1:14000

Legend

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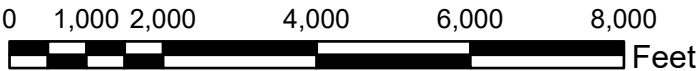
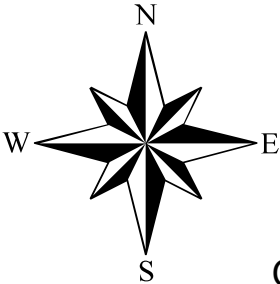
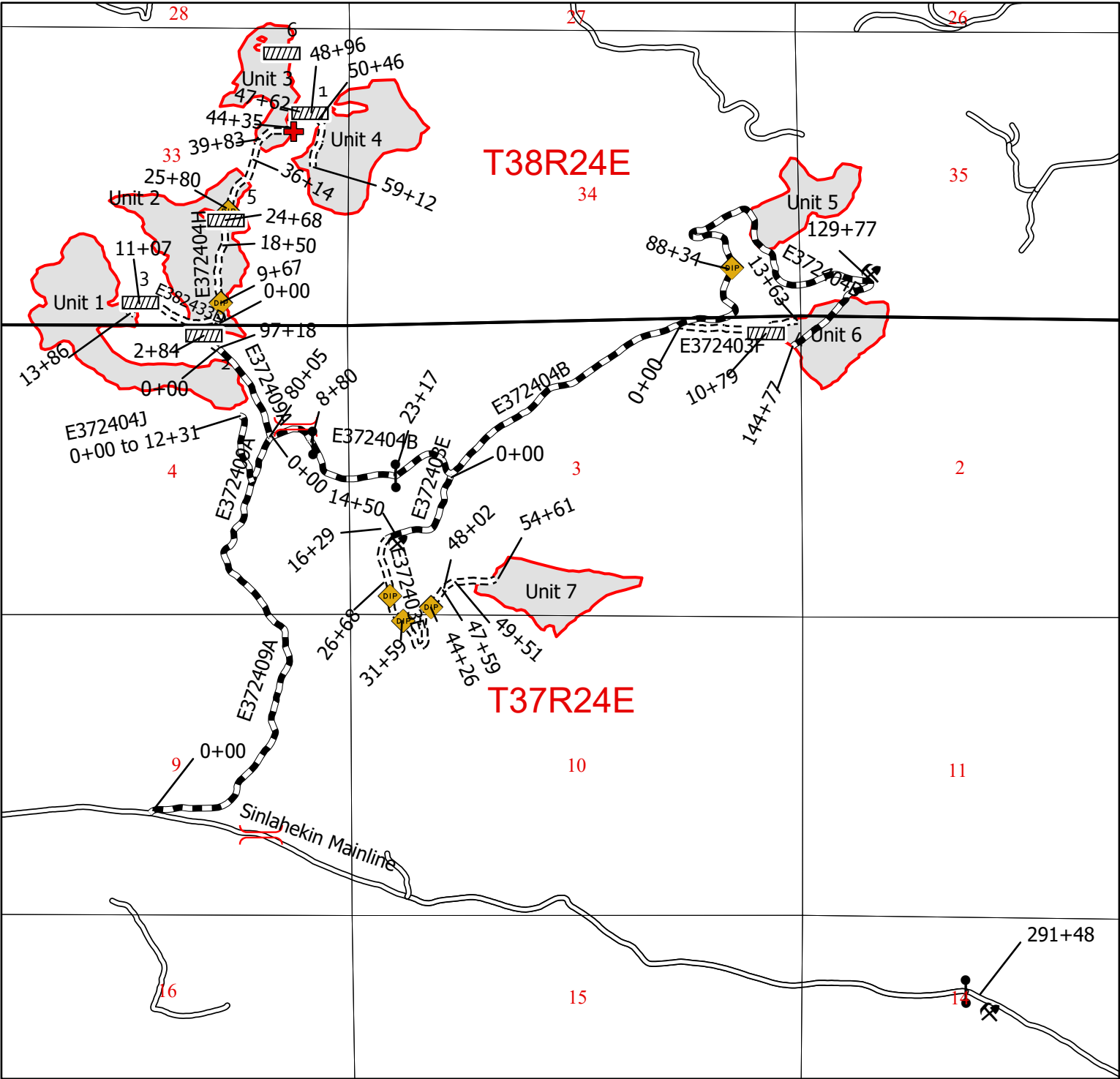
Road Plan Map

Region: Northeast

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County: Okanogan



Colin Rojas

6/17/2024

Scale: 1:30000

Legend

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STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

WOOD CHUTE TIMBER SALE ROAD PLAN
OKANOGAN COUNTY
HIGHLANDS DISTRICT
NORTHEAST REGION

AGREEMENT NO.: 30-106639

STAFF ENGINEER: COLIN ROJAS

DATE: 7/10/2024

DRAWN & COMPILED BY: COLIN ROJAS

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>
E372403E	16.29	Pre Haul Maintenance
E372403E	38.32	Construction
E372403F	13.63	Construction
E372404B	144.77	Pre Haul Maintenance
E372404H	59.12	Construction
E372404J	12.31	Pre Haul Maintenance
E372409A	97.18	Pre Haul Maintenance
E382433D	13.86	Construction

0-4 CONSTRUCTION

Construction includes, but is not limited to clearing & grubbing, pioneering & decking logs, subgrade construction, rolling dip, cross drain, and culvert installation, Fish passage structure installation, cut & fill, embankment construction, riprap and rock application. Construct to the TYPICAL SECTION SHEET, ROCK LIST, and CULVERT & DRAINAGE LIST, for general specifications, unless otherwise specified in design details.

<u>Road</u>	<u>Stations</u>	<u>Requirements</u>
E372403E	16+29 to 54+61	See sections 3, 4, and 5
E372403F	0+00 to 13+63	See sections 3, 4, and 5
E372404H	0+00 to 59+12	See sections 3, 4, and 5
E382433D	0+00 to 13+86	See sections 3, 4, and 5

0-6 PRE-HAUL MAINTENANCE

Maintenance includes, but is not limited to brushing, subgrade reshaping, subgrade lifting, rolling dip, and culvert installation, grading, riprap and rock application. Reference the TYPICAL SECTION SHEET, ROCK LIST, and CULVERT & DRAINAGE LIST, for general specifications. Boundaries

<u>Road</u>	<u>Stations</u>	<u>Requirements</u>
E372403E	0+00 to 16+29	Brushing, grubbing, grading
E372404B	0+00 to 144+77	Brushing, grubbing, grading, ditch cleaning/reshaping, clean culvert inlets and outlets, reshape dips, improve road drainage
E372404J	0+00 to 12+31	grading
E372409A	0+00 to 97+18	Brushing, grubbing, grading, improve dips, clean culvert inlets and outlets.

0-7 POST-HAUL MAINTENANCE

This project includes post-haul road maintenance listed in Clause 9-5 POST-HAUL MAINTENANCE.

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 shall be submitted, in writing, to the Contract Administrator for consideration. The State must approve the submitted plans before construction begins.

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

Unless controlled by construction stakes or design data (plan, profile, and cross-sections), road work shall be performed 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. These tolerances do not supersede clauses 1-6, 4-3, and 4-4.

<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.

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

The Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before the closure of any road. Construction shall not close any road for more than 21 consecutive days.

1-8 REPAIR OR REPLACEMENT OF DAMAGED MATERIALS

The Purchaser is responsible for the repair or replacement of all materials, roadway infrastructure, and road components damaged during road work or operation activities. Repairs and replacements shall be directed by the Contract Administrator. Repairs to structural materials will be made according to the manufacturer's recommendation, and shall 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:

- Road work and maintenance is marked with orange flagging or red tipped stakes

1-21 HAUL APPROVAL

The Purchaser shall not use roads constructed, reconstructed, maintained, under this road plan for timber hauling or rock hauling, other than timber cut on the right-of-way, without written approval from the Contract Administrator.

1-22 WORK NOTIFICATIONS

The Purchaser shall notify the Contract Administrator a minimum of 14 calendar days before any road work begins.

1-23 ROAD WORK PHASE APPROVAL

Written approval by Contract Administrator must be received upon completion of the following phases of road work:

- Subgrade construction
- Drainage installation
- Subgrade compaction

1-25 ACTIVITY TIMING RESTRICTION

Construction restrictions apply to this contract. All construction and transportation of heavy equipment and/or trucks is prohibited between the following dates, except as may be authorized in writing by the Contract Administrator.

March 15th - June 1st

1-26 OPERATING DURING CLOSURE PERIOD

If permission is granted to operate during a closure period listed in Clause 1-25 ACTIVITY TIMING RESTRICTIONS, the Purchaser shall provide a maintenance plan to include further protection of state resources. The Contract Administrator must approve the maintenance plan, in writing, before operation in the closure period. The Purchaser shall be required to maintain all haul roads at their own expense.

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 shall suspend road work or hauling of right-of-way timber, forest products, or rock under the following conditions:

- Wheel track rutting exceeds 4 inches on jaw run/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.
- 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.

1-32 BRIDGE SURFACE RESTRICTION

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

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

Purchaser shall have bridges load rated by a Registered Professional Engineer licensed in the State of Washington. All load rating reports, calculations, or drawings must be stamped by the licensed engineer and submitted to the Contract Administrator prior to allowing any work to continue. All damage to the bridge from transporting equipment will be repaired at the Purchaser's expense.

1-33 SNOW PLOWING RESTRICTION

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

SECTION 2 – MAINTENANCE

2-1 GENERAL ROAD MAINTENANCE

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

2-4 PASSAGE OF LIGHT VEHICLES

Purchaser shall maintain the roads in a condition that will allow the passage of light administrative vehicles.

2-5 MAINTENANCE GRADING – EXISTING ROAD

A grader shall be used to shape existing surfaces.

2-6 CLEANING CULVERTS

All inlets and outlets of culverts shall be cleaned before the haul of timber and shall be subject to the written approval of the Contract Administrator.

2-7 CLEANING DITCHES, HEADWALLS, AND CATCH BASINS

Purchaser shall clean all ditches and catch basins. Work shall be completed before haul of timber.

SECTION 3 – CLEARING, GRUBBING, AND DISPOSAL

3-1 BRUSHING

Vegetative material up to 3 inches in diameter, including limbs, shall be cut as shown on the BRUSHING DETAIL-D2. Brushing shall be achieved by manual or mechanical cutting of brush, trees, and branches. Root systems and stumps of cut vegetation shall not be disturbed unless directed by the Contract Administrator.

3-2 BRUSHING RESTRICTION

Pulling, digging, pushing over, and other non-cutting methods used for vegetation removal shall not be used for brushing. The Purchaser is required to submit a detailed list of equipment and methods to be used during brushing, for approval by the Contract Administrator before starting work. Excavator buckets, log loaders and similar equipment shall not be used for brushing unless otherwise approved in writing by the Contract Administrator.

3-3 BRUSH REMOVAL

Remove brushing debris from the road surface, ditch lines, and culvert inlets and outlets.

3-5 CLEARING

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

3-7 RIGHT-OF-WAY DECKING

Deck all right-of-way timber. Decks shall be parallel to the road centerline and placed within the cleared right-of-way. Decks shall be free of dirt, limbs and other right-of-way debris, and removable by standard log loading equipment from the roadbed.

3-8 PROHIBITED DECKING AREAS

Right-of-way timber shall not be decked in the following areas:

- Within the grubbing limits.
- Within 50 feet of any stream.
- In locations that interfere with the construction of the road prism.
- In locations that impede drainage.
- On slopes greater than 40%.
- Against standing trees.

3-10 GRUBBING

Remove all stumps between the grubbing limits specified on the TYPICAL SECTION SHEET. Those stumps outside the grubbing limits but with undercut roots shall also be removed. Stumps over 22 inches diameter shall be split. Stumps over 40 inches shall be quartered. Grubbing shall be completed before starting excavation and embankment. All stump holes shall be filled and compacted, and repair any damage caused due to ripping stumps out of the ground.

3-12 STUMP PLACEMENT

Grubbed stumps shall be placed outside of the clearing limits as directed by the Contract Administrator and in compliance with all other clauses in this road plan. Stumps shall be piled. Piles shall be dirt free and piled with a hydraulic excavator.

3-14 STUMPS WITHIN DESIGNATED WASTE AREAS

Purchaser is not required to remove stumps within waste areas if they are cut flush with the ground.

3-20 ORGANIC DEBRIS DEFINITION

Organic debris is defined as all vegetative material not eligible for removal by Contract Clauses 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 as shown on the TYPICAL SECTION SHEET.

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 approval of final maintenance.

3-22 DESIGNATED WASTE AREA FOR ORGANIC DEBRIS

Waste areas for organic debris shall be located within the cleared right-of-way or in natural openings approved in writing by the Contract Administrator.

3-23 PROHIBITED DISPOSAL AREAS

Organic debris shall not be deposited in the following areas:

- Within 50 feet of a cross drain culvert.
- Within 100 feet of a live stream, or wetland, on road subgrades road prism excavation and embankment slopes embankments as shown on the TYPICAL SECTION SHEET.
- On slopes greater than 40%.
- Within the operational area for cable landings where debris may shift or roll.
- On locations where brush will fall into the ditch or onto the road surface.
- Against standing timber.

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 in natural openings unless otherwise detailed in this road plan. Where natural openings are unavailable or restrictive, alternate debris disposal methods are subject to the written approval of the Contract Administrator.

3-30 EXCLUSION OF DOZER BLADES

Dozer blades are not permitted for the piling of organic debris.

3-31 PILING

Organic debris shall be piled. Debris piles shall be made to be burnable, clean, tight, and free of rock or soil. Piles shall be made no closer than 20 feet from standing timber, and no higher than 10 feet. Debris piles shall be placed within the cleared right-of-way, or in natural openings, as designated by the Contract Administrator. Placement of debris piles outside of the right-of-way limits is subject to the written approval of the Contract Administrator.

3-32 END HAULING ORGANIC DEBRIS

On slopes greater than 55%, Purchaser shall end haul or push organic debris to the designated waste areas specified in Clause **3-22 DESIGNATED WASTE AREA FOR ORGANIC DEBRIS** or to a waste area located by the Contract Administrator.

SECTION 4 – EXCAVATION

4-1 EXCAVATOR CONSTRUCTION

The Purchaser shall use a track mounted hydraulic excavator for construction work, unless authorized, in writing, by the Contract Administrator.

4-2 PIONEERING

Pioneering shall not extend past construction that will be completed during the current construction season. Pioneering shall not extend more than 1000 feet beyond completed construction unless approved in writing by the Contract Administrator. In addition, the following actions shall be taken as pioneering progresses:

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

4-3 ROAD GRADE AND ALIGNMENT STANDARDS

The following road grade and alignment standards shall be followed except as designed:

- Grade and alignment shall have smooth continuity, without abrupt changes in direction.
- Maximum grade shall not exceed 18 percent favorable and 12 percent adverse.
- Minimum curve radius is 60 feet at centerline.
- Sag vertical curves shall not have a grade change greater than 5% in 100 feet.
- Crest vertical curves shall not have a grade change greater than 4% in 100 feet.

4-4 SWITCHBACK STANDARDS

A switchback is defined as a curved segment of road between a beginning and end of the same curve, where the change of traffic travel direction is greater than 90 degrees. The following standards for switchbacks shall be followed:

- Adverse grades on switchbacks shall not exceed 10%.
- Favorable grades through switchbacks shall not exceed 12%.
- Transition grades entering and leaving switchbacks shall not exceed a 5% grade change.
- Transition grades required to meet switchback grade limitations shall be constructed on the tangents preceding and departing from the switchbacks.

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 (on side slopes up to 55%)	1:1	100
Common Earth (56% to 70% side slopes)	$\frac{3}{4}$:1	133
Common Earth (on slopes over 70%)	$\frac{1}{2}$:1	200
Fractured or loose rock	$\frac{1}{2}$:1	200
Hardpan or solid rock	$\frac{1}{4}$:1	400

4-6 EMBANKMENT SLOPE RATIO

Unless construction staked or designed, embankment slopes shall be constructed 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.

4-12 FULL BENCH CONSTRUCTION

On the following road(s), and where side slopes exceed 55%, Purchaser shall use full bench construction for the entire subgrade width except as construction staked or designed. If designated, Purchaser shall haul waste material to the location specified in Clause **4-37 WASTE AREA LOCATION**.

<u>Road</u>	<u>Full Bench Location</u>	<u>Comments</u>
E372404H	9+67 to 18+50	
E372404H	36+14 to 39+83	
E372404H	44+37 to 47+62	

4-14 ONE-FOOT EXCAVATION LIMIT

Where side slopes are 0% to 15%, the cut at centerline shall not exceed one foot unless approved by the Contract Administrator.

4-20 SUBGRADE DIMENSIONS FOR INTERSECTIONS

On the following roads, Purchaser shall construct the subgrade to the dimensions shown on the INTERSECTION DETAIL.

<u>Road</u>	<u>Stations</u>
E372403E	16+29 to 17+04
E372403F	0+00 to 0+75
E372404H	5+00 to 5+75
E382433D	0+00 to 0+75

4-21 TURNOUTS

Turnouts shall be intervisible with maximum of 1,000 feet between turnouts, unless shown otherwise on drawings. Locations shall be adjusted to fit the final subgrade alignment and sight distances. Minimum dimensions are shown on the TYPICAL SECTION SHEET. Turnouts are subject to written approval from the contract administrator.

4-22 TURNAROUNDS

Turnarounds shall be no larger than 30 feet long and 30 feet wide. Locations shall be subject to approval by the Contract Administrator.

4-25 DITCH CONSTRUCTION AND RECONSTRUCTION

The Purchaser shall construct or reconstruct ditches into the subgrade as specified on the TYPICAL SECTION SHEET. Excavated slopes shall be consistent with Clause **4-5 CUT SLOPE RATIO**. Ditches shall be constructed concurrently with construction of the subgrade.

4-27 DITCH WORK – MATERIAL USE PROHIBITED

Purchaser shall not pull ditch material across the road or mix in with the road surface. Excavated material must be scattered outside the grubbing limits.

4-28 DITCH DRAINAGE

Ditches must drain to cross-drain culverts or ditchouts.

4-29 DITCHOUTS

The Purchaser shall construct ditch outs as identified and as needed and as directed by the Contract Administrator. Ditch outs shall be constructed in a manner that diverts ditch water onto the forest floor and shall have excavation back slopes 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.

4-36 DISPOSAL OF WASTE MATERIAL

Waste material may be side cast on side slopes up to 55% if the waste material is compacted and free of organic debris. On side slopes greater than 55%, all excavation shall be end hauled or pushed to designated embankment sites and waste areas.

4-37 WASTE AREA LOCATION

Purchaser shall deposit waste material in the listed designated areas. Additional waste areas may also be identified or approved by the Contract Administrator. The amount of material allowed in a waste area is as listed below.

<u>Road</u>	<u>Waste Area Location</u>	<u>Quantity allowed</u>
E372404H	44+35	500 cu yds

4-38 PROHIBITED WASTE DISPOSAL AREAS

Waste material shall not be deposited in the following areas, except as otherwise specified in this plan:

- Within 50 feet of a cross drain culvert.
- Within 100 feet of a live stream or wetland.
- Within a riparian management zone.
- On side slopes steeper than 45%.
- In locations that interfere with the construction of the road prism.
- In locations that impede drainage.
- Against standing timber.
- Outside the clearing limits.
- Waste Disposal areas are subject to written approval from the contract administrator.

4-46 COMMON BORROW

Common borrow consists of soil, and/or aggregate that is non-plastic and contains no more than 5% clay, organic debris, or trash by volume. The material is considered non-plastic if the fines in the sample cannot be rolled, between the hand and a smooth surface, into a thread at any moisture content. Common borrow material must be free of rocks greater than 6 inches in any dimension.

4-55 ROAD SHAPING

The road subgrade and surface shall be shaped as shown on the TYPICAL SECTION SHEET. The subgrade and surface shape shall ensure runoff in an even, un-concentrated manner, and shall be uniform, firm, and rut-free. Surface material is not to be pushed off the road and over the edge of the road. All material from road surface shall remain on road surface. All grading shall be accomplished using a motor grader with a minimum of 175 horsepower.

4-56 DRY WEATHER SHAPING

At any time of year, 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

All embankment and waste material shall be compacted. Minimum acceptable compaction is achieved by placing embankments in 1 foot or shallower lifts, and routing excavation equipment over the entire width of each lift. Except as otherwise specified in this plan, a vibratory plate compactor or tamper shall be used for areas specifically requiring keyed embankment construction, and for embankment segments too narrow to accommodate equipment. Compaction with a plate compactor shall be made by a minimum of three full coverages; each lift shall not exceed 6 inches in depth.

4-61 SUBGRADE COMPACTION

Constructed or reconstructed subgrades shall be compacted full width. Subgrade compaction shall be approved, in writing, by the Contract Administrator before rock application or timber haul.

4-62 DRY WEATHER COMPACTION

At any time of year, 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.

SECTION 5 – DRAINAGE

5-1 REMOVAL OF SHOULDER BERMS

Berms shall be removed from road shoulders to permit the escape of runoff. The construction of ditch outs will be required where ponding will result from the effects of side cast debris. Berms can be brought back onto the road surface if it is not contaminated with any organic material. Berms must be of similar material as road surface in order to bring berm back onto road surface.

5-5 CULVERTS

Culverts shall be installed as part of this contract. Culverts shall be installed concurrently with subgrade work and shall be installed before subgrade compaction and rock application. Culvert locations and the minimum requirements for culvert length and diameter are designated on the CULVERT AND DRAINAGE LIST. Culvert, downspout, and flume lengths shall be adjusted to fit as-built conditions and shall not terminate directly on unprotected soil that will erode. Culverts shall be new steel or aluminum meeting the material specifications in Clauses 10-15 through 10-23. Culvert placement shall precede embankment construction.

5-6 CULVERT TYPE

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

5-7 USED CULVERT MATERIAL

On temporary roads, Purchaser may install used culverts. All other roads must have new culverts installed. Purchaser shall obtain approval from the Contract Administrator for the quality of the used culverts before installation. Culverts must meet the specifications in Clauses 10-15 through 10-24.

5-8 TEMPORARY STREAM CULVERT INSTALLATION

Purchaser shall install temporary culverts as shown in the Engineer Drawings. Temporary stream culverts must be located in the natural channel of the stream. Temporary culverts shall only be in place between June 15th and September 30th, and must be removed upon completion of road use.

<u>Road</u>	<u>Stations</u>
E372404H	48+96

5-12 UNUSED MATERIALS STATE PROPERTY

On required roads, any materials listed on the CULVERT AND DRAINAGE 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

Installation shall be in accordance with the CULVERT AND DRAINAGE SPECIFICATION DETAIL and the National Corrugated Metal Pipe Association's "Installation Manual for Corrugated Steel Drainage Structures".

5-16 APPROVAL FOR LARGER CULVERT INSTALLATION

Purchaser shall obtain written approval from the Contract Administrator for the installation of culverts 30 inches in diameter and over before backfilling.

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

Cross drain culverts shall 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. Stream crossing culverts shall be installed with a depth of cover specified in the Engineer's design, or to the minimum depth recommended by the culvert manufacturer for the type of cover material over the pipe, whichever is greater.

5-20 ENERGY DISSIPATERS

Energy dissipaters shall be installed to prevent erosion and are subject to approval by the Contract Administrator. The type of energy dissipater and the amount of material shall be consistent with the specifications listed on the CULVERT AND DRAINAGE SPECIFICATION DETAIL. Energy dissipaters will be consistent with light loose rip rap specifications.

5-25 CATCH BASINS

Catch basins shall be constructed to resist erosion in accordance with CULVERT AND DRAINAGE SPECIFICATION DETAIL. Minimum dimensions of catch basins are 4 feet wide and 4 feet long with back slopes consistent with Clause 4-5 CUT SLOPE RATIO.

5-26 HEADWALLS FOR CROSS DRAIN CULVERTS

Headwalls shall be constructed in accordance with the CULVERT AND DRAINAGE SPECIFICATION DETAIL at all permanent cross drain culverts. Rock used for headwalls shall meet the specifications for Light Loose Rip Rap. Rock shall be placed on shoulders, slopes, and around culvert inlets and outlets. Minimum specifications require that rock be placed at a width of one culvert diameter on each side of the culvert opening, and to a height of one culvert diameter above the top of the culvert. Rock shall not restrict the flow of water into culvert inlets or catch basins. Placement shall be by zero-drop-height method only. No placement by end dumping or dropping of rock shall be allowed

5-27 ARMORING FOR CULVERTS

Purchaser shall place Light Loose Rip Rap in conjunction with or immediately following construction of the embankment. Rock must be placed on shoulders, slopes, and around culvert inlets and outlets as designated on the CULVERT & DRAINAGE LIST and CULVERT AND DRAINAGE SPECIFICATIONS DETAIL. Rock may not restrict the flow of water into culvert inlets or catch basins. Placement must be with a zero-drop-height only. No placement by end dumping or dropping of rock is allowed. Light Loose Rip Rap must meet the specifications in Clause 6-50 LIGHT LOOSE RIP RAP.

5-28 ARMORING FOR ARMORED DIPS

At the following locations, Purchaser shall place rock in accordance with the ARMORED ROLLING DIP DETAIL. Placement must be with a zero-drop-height only. No placement by end dumping or dropping of rock is allowed.

<u>Road</u>	<u>Stations</u>	<u>Volume (CY)*</u>
E372404H	25+80	10
E372404H	9+67	10
E372404B	88+34	10
E372403E	26+68	10
E372403E	31+59	10
E372403E	44+26	10

5-30 DRIVABLE WATERBAR CONSTRUCTION

Purchaser shall construct drivable waterbars in accordance with the DRIVABLE WATERBAR DETAIL. Minimum frequency of drivable waterbars shall be at a maximum spacing of 300 feet horizontal or one for every 10 feet of vertical change. Where grade exceeds 15% slope, minimum frequency of drivable waterbars shall be at a maximum spacing of 150 feet horizontal.

5-31 ROLLING DIP CONSTRUCTION

Rolling dips shall be constructed in accordance with the ROLLING DIP DETAIL and as specified on the CULVERT & DRAINAGE LIST. Rolling dips shall be installed concurrently with construction of the subgrade and shall be maintained in an operable condition. Minimum frequency of rolling dips shall be at a maximum spacing of 400 feet horizontal or one for every 10 feet of vertical change. Dips are to be armored with rock to prevent erosion.

5-33 NATIVE SURFACE ROADS

If overwintered, native surface roads shall be water barred by November 1. Water bars shall be constructed according to the attached DRIVABLE WATERBAR DETAIL at a maximum spacing that will produce a vertical drop of no more than 10 feet between water bars or between natural drainage paths, and with a maximum spacing of 300 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 on state land at no charge to the Purchaser.

<u>Road</u>	<u>Stations</u>	<u>Comments</u>
E372403E	14+50	Existing rock source
E372404B	129+77	Rocky cut slope
Sinlahekin Mainline	291+48	Pit Run. Larger rock used to lift Road E372404H through the wetland

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 will be subject to written approval by the Contract Administrator before their use.

6-12 ROCK SOURCE SPECIFICATIONS

Rock sources must be in accordance with the following specifications:

- Pit walls may not be undermined or over steepened. The maximum slope of the walls must be consistent with recognized engineering standards for the type of material being excavated in accordance with the following table:

Material	Maximum Slope Ratio (Horiz. :Vert.)	Maximum Slope Percent
Sand	2:1	50
Gravel	1.5:1	67
Common Earth	1:1	100
Fractured Rock	0.5:1	200
Solid Rock	0:1	vertical

- Pit walls must be maintained in a condition to minimize the possibility of the walls sliding or failing.
- The width of pit benches must be a minimum of 1.5 times the maximum length of the largest machine used.
- The surface of pit floors and benches must be uniform and free-draining at a minimum 2% outslope gradient.
- All operations must be carried out in compliance with all regulations of the Regulations and Standards Applicable to Metal and Nonmetal Mining and Milling Operations (30 CFR) U.S. Department of Labor, Mine Safety and Health

Administration and Safety Standards for Construction Work (296-155 WAC), Washington Department of Labor and Industries.

- All vehicle access to the top of the pit faces must be blocked.

6-14 DRILL AND SHOOT

Rock drilling and shooting must meet the following specifications:

- There needs to be a minimum of a 14' of gradable road surface after drilling and shooting during road construction.
- All solid rock within road prism must have a minimum of 1 feet of fill over it.
- Purchaser shall notify the Contract Administrator a minimum of 7 working days before blasting operations.
- All operations must be carried out in compliance with the Regulations and Standards Applicable to Metal and Nonmetal Mining and Milling Operations (30 CFR) U.S. Department of Labor, Mine Safety and Health Administration and the Safety Standards for Construction Work (296-155 WAC), Washington Department of Labor and Industries.
- Purchaser shall block access roads before blasting operations.

6-21 IN-PLACE PROCESSING

The Purchaser may use in-place processing, such as a grid roller or other method, if suitable crushing can be demonstrated to meet the surfacing size restrictions. The use of in-place processing methods is subject to written approval by the Contract Administrator.

6-21 FRACTURE REQUIREMENT FOR ROCK

A minimum of 50% by visual inspection of coarse aggregate shall have at least one fractured face. Coarse aggregate is the material retained on each specification sieve sized 1/4-inch and above, if that sieve retains more than 5% of the total sample.

6-23 ROCK GRADATION TYPES

Purchaser shall provide 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. The exact point of evaluation for conformance to specifications will be determined by the Contract Administrator.

6-28 1 ¼-INCH MINUS CRUSHED ROCK

% Passing 1 ¼" square sieve	100%
% Passing 5/8" square sieve	50 - 80%
% Passing U.S. #4 sieve	30 - 50%
% Passing U.S. #40 sieve	3 - 18%
% Passing U.S. #200 sieve	5%

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.

6-38 4-INCH IN-PLACE ROCK

4-inch in-place rock must have a minimum of 90 percent of the top 4 inches of the running surface pass a 4-inch square opening.

In-place rock may not contain organic debris and trash. No more than 50 percent of rock may be larger than 6 inches in any dimension and no rock may be larger than 8 inches in any dimension.

6-41 SELECT PIT RUN ROCK

No more than 50 percent of the rock may be larger than 6 inches in any dimension and no rock may be larger than 8 inches in any dimension. Select Pit Run rock may not contain organic debris, dirt, and trash. Rock may require processing to meet this specification.

<u>Road</u>	<u>Station</u>	<u>Comment</u>
Sinlahekin Mainline	291+48	Pit Run Is located in piles off to the side of the road just before passing through the gate on the Sinlahekin Mainline

6-50 LIGHT LOOSE RIP RAP

Light loose rip rap must consist of angular, hard, sound, and durable stone. It must be free from segregation, seams, cracks, and other defects tending to destroy its resistance to weather. Light loose rip rap must be free of rock fines, soil, organic debris or other extraneous material, and must meet the following requirements:

<u>Quantity</u>	<u>Approximate Size Range</u>
20% to 90%	500 lbs. to 1 ton (18" - 28")
15% to 80%	50 lbs. to 500 lbs. (8" - 18")
10% to 20%	3 inch to 50 lbs. (3" - 8")

6-51 HEAVY LOOSE RIP RAP

Heavy loose rip rap must consist of angular, hard, sound, and durable stone. It must be free from segregation, seams, cracks, and other defects tending to destroy its resistance to weather. Heavy loose rip rap must be free of rock fines, soil, organic debris or other extraneous material, and must meet the following requirements:

<u>Quantity</u>	<u>Size Range</u>
30% to 90%	1 ton to 2 ton (28" - 36")
30% to 70%	500 lbs. to 1 ton (18" - 28")
20% to 50%	50 lbs. to 500 lbs. (8" - 18")
10% to 20%	3 inch to 50 lbs. (3" - 8")

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 compacted 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.

6-70 APPROVAL BEFORE ROCK APPLICATION

Purchaser shall obtain written approval from the Contract Administrator 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.

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.

6-76 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.

6-80 WATERING FOR DUST ABATEMENT

Purchaser shall use water for dust abatement

SECTION 7 – STRUCTURES

7-5 STRUCTURE DEBRIS

Purchaser shall not allow debris from the installation or removal of structures to enter any stream. Components removed from existing structures must be removed from state. Purchaser shall maintain a clean jobsite, with all materials stored away from the high water mark or other area presenting a risk of the materials entering a stream. Debris entering any stream must be removed immediately. Purchaser shall retrieve all material carried downstream from the jobsite.

7-6 STREAM CROSSING INSTALLATION

Purchaser shall install stream crossing structures in accordance with the manufacturer's requirements.

7-7 BANK PROTECTION FOR STREAM CROSSING STRUCTURES

Purchaser must construct bank protection in accordance with the stream crossing, design, specifications, and details.

7-56 STEEL PIPE, PIPE ARCH, AND STRUCTURAL PLATE INSTALLATION

Purchaser shall install steel pipe, pipe arches, and structural plate culverts in accordance with the National Corrugated Steel Pipe Association "Installation Manual for Corrugated Steel Pipe, Pipe Arches, and Structural Plate." Installation is subject to the inspection and approval of the Contract Administrator before placement and backfill. The latest edition of the NCSA Installation Manual can be found at www.ncspa.org.

7-57 CULVERT SHAPE CONTROL

Purchaser shall monitor the culvert shape during backfill and compaction. Special attention must be paid to maintaining the structure's rise dimensions, concentricity, and smooth uniform curvature. If compaction methods are resulting in peaking or deflection of the culvert, Purchaser shall modify the compaction method to achieve the appropriate end result.

7-70 GATE CLOSURE

On the following roads, Purchaser shall keep gates closed at all times. All gates must be closed at termination of use, unless authorized in writing by the contract administrator.

<u>Road</u>	<u>Station</u>	<u>Comment</u>
E372404B	8+80	Stretch gate
E372404B	23+17	Stretch gate
Sinlahekin Mainline	291+48	Steel Gate

SECTION 9 – POST-HAUL ROAD WORK

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

<u>Road</u>	<u>Stations</u>	<u>Requirements</u>
E372403E	54.61	Grading, installing waterbars, and refer to Forest Access Road Maintenance Specification
E372403F	13.63	Grading, installing waterbars, and refer to Forest Access Road Maintenance Specification
E372404B	144.77	Grading, re installing waterbars, improving dips, cleaning ditches, improving ditch drainage, and refer to Forest Access Road Maintenance Specification
E372404H	59.12	Grading, installing waterbars, pulling temporary fish culver, and refer to Forest Access Road Maintenance Specification
E372404J	12.31	Grading
E372409A	97.18	Grading, installing waterbars, and refer to Forest Access Road Maintenance Specification
E382433D	13.86	Grading, installing waterbars, and refer to Forest Access Road Maintenance Specification

9-10 LANDING DRAINAGE

Purchaser shall provide for drainage of the landing surface as approved, in writing, by the Contract Administrator.

9-11 LANDING EMBANKMENT

Landing embankments shall be sloped to original construction specifications.

SECTION 10 MATERIALS

10-2 GEOTEXTILE FOR SEPARATION

Geotextiles must meet the following minimum requirements for strength and property qualities, and must be designed by the manufacturer to be used for separation. Material must be free of defects, cuts, and tears.

	<u>ASTM Test</u>	<u>Requirements</u>
Type	--	Non-woven
Apparent opening size	D 4751	No. 30 max
Water permittivity	D 4491	0.02 sec ⁻¹
Grab tensile strength	D 4632	160 lb
Grab tensile elongation	D 4632	>= 50%
Puncture strength	D 6241	310 lb
Tear strength	D 4533	50 lb
Ultraviolet stability	D 4355	50% retained after 500 hours of exposure

10-15 CORRUGATED STEEL CULVERT

Metallic coated steel culverts shall meet AASHTO M-36 (ASTM A-760) specifications. Culverts shall be galvanized (zinc coated meeting AASHTO M-218)

10-21 METAL BAND

Metal coupling and end bands must meet the AASHTO specification designated for the culvert and must have matching corrugations. Culverts 24 inches and smaller must have bands with a minimum width of 12 inches. Culverts over 24 inches must have bands with a minimum width of 24 inches.

10-24 GAUGE AND CORRUGATION

Unless otherwise stated in the engineer's design, metal culverts shall conform to the following specifications for gage and corrugation as a function of diameter.

<u>Diameter</u>	<u>Gauge</u>	<u>Corrugation</u>
18"	16 (0.064")	2 2/3" X 1 1/2"
24" to 48"	14 (0.079")	2 2/3" X 1 1/2"
54" to 96"	12 (0.109")	3" X 1"

SECTION 11 SPECIAL NOTES

11-01 ROAD STATION CALLOUTS

All roads and stationing with associated road work are listed below.

Road	Station	Notes
E372403E	0+00	Start PHM
	14+50	Rock Source
	16+29	End PHM & Start Construction
	26+68	Install Armored Dip
	31+59	Install Armored Dip
	44+26	Install Armored Dip
	47+59	Fill 3.25 feet
	48+02	Cut 3.25 feet and 2 stations of potential D&S
	49+51	1 station of potential D&S
	54+61	End Construction
E372403F		
	0+00	Start Construction
	10+79	Curve Widening and Install 18' X 50' culvert
	13+63	End Construction
E372404B		
	0+00	Start PHM, Ditch Cleaning/Improving, clean all culverts and improve all dips.
	8+80	Stretch Gate
	23+17	Stretch Gate
	88+34	Install Armored Dip
	129+77	Rock Source
	144+77	End of PHM, Ditch Cleaning/Improving, clean all culverts and improve all dips.
E372404H		
	0+00	Start Construction
	2+84	Install 24' X 42' Culvert
	8+50	Lay down 50' of fabric through wetland, and fill ontop of it with pitrun. Cap the pit run with 1 ¼" rock.
	9+67	Start Full Bench End Haul, and install armored dip
	18+50	End Full Bench End Haul
	24+68	Install 24' X 42' Culvert
	25+80	Install Armored Dip to prevent surface water to flow into NP stream below
	36+14	Start Full Bench
	39+83	End Full Bench
	44+35	Waste Area & Start Full Bench

	47+62	End Full Bench
	48+96	Install Temporary Fish Culvert 36' X 38'
	49+46	Start lifting road with fabric, Pit run rock off sinlahekan mainline, and smaller rock to cap the pit run through the wetland. Through the wetland the fill will range anywhere from 3-4 feet of pit run.
	50+96	End road lift and rocking through wetland
	59+12	End Construction
E372404J		
	0+00	Start PHM
	12+31	End PHM
E372409A		
	0+00	Start PHM
	80+05	Begin Heavy PHM and reshaping of road for hauling
	97+18	End PHM and reshaping of road for hauling
E382433D		
	0+00	Start Construction
	11+07	Install 24' X 46' Culvert
	13+86	End Construction

STATE OF WASHINGTON

Application No.: 30-106639

Name of Sale: Wood Chute

Date: 7/10/2024

CULVERT & DRAINAGE LIST

[illegible]

STRUCTURE NOTES

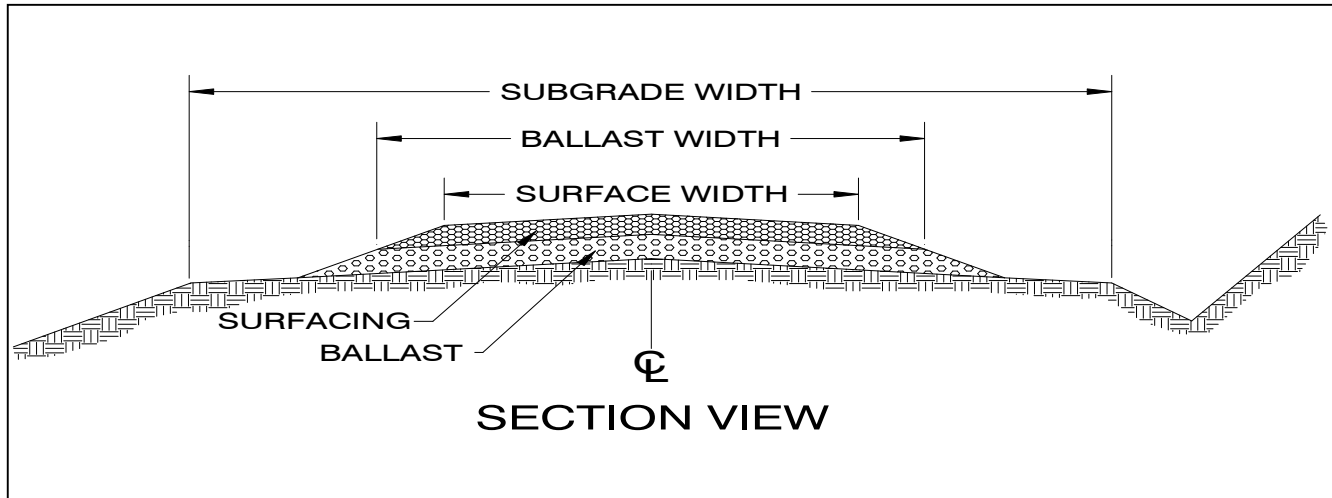
- 1. Install Headwall - See Detail D1**
- 2. Install Catchbasin - See Detail D1**
- 3. Armor Catchbasin - See Detail D1**
- 4. Armor Ditch**
- 5. Heavy Loose RipRap**
- 6. Light Loose RipRap**
- 7. Step Bevel Pipe Ends**
- 8. Remove Existing Pipe**
- 9. See Rolling Dip Detail D5**
- 10. See Pipe Installation Detail D1**
- 11. Install Energy dissipator - See D1**
- 12. Armor Dip**

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

Application No.: 30-106639

Name of Sale: Wood Chute

ROCK LIST



1. ROCK DEPTHS ARE DEFINED AS COMPACTED DEPTHS.
2. LOOSE YARD QUANTITIES ARE DEPENDANT ON SOURCE.
3. ROCK SLOPES SHALL BE 1.5(H) : 1(V).
4. ALL ROCK SOURCES ARE SUBJECT TO APPROVAL BY THE CONTRACT ADMINISTRATOR.

ROAD NAME	START STATION	END STATION	SUBGRADE WIDTH (ft)	BALLAST SOURCE	BALLAST WIDTH (ft)	BALLAST DEPTH (in)	BALLAST QTY (cu.yd./sta)	SURFACE SOURCE	SURFACE WIDTH (ft)	SURFACE DEPTH (in)	SURFACE QTY (cu.yd./sta)	FABRIC WIDTH (ft)
E372403E	26+43	26+93					0		14	5	20	
E372403E	31+34	31+84					0		14	5	20	
E372403E	44+01	44+51					0		14	5	20	
E372404B	88+09	88+59					0		14	5	20	
E372404H	2+34	3+34					0		14	6	27	
E372404H	24+18	25+18					0		14	6	27	
E372404H	25+55	26+05					0		14	5	20	
E372404H	47+96	50+96					0		14	6	27	
E382433D	10+57	11+57					0		14	6	27	
							0				0	

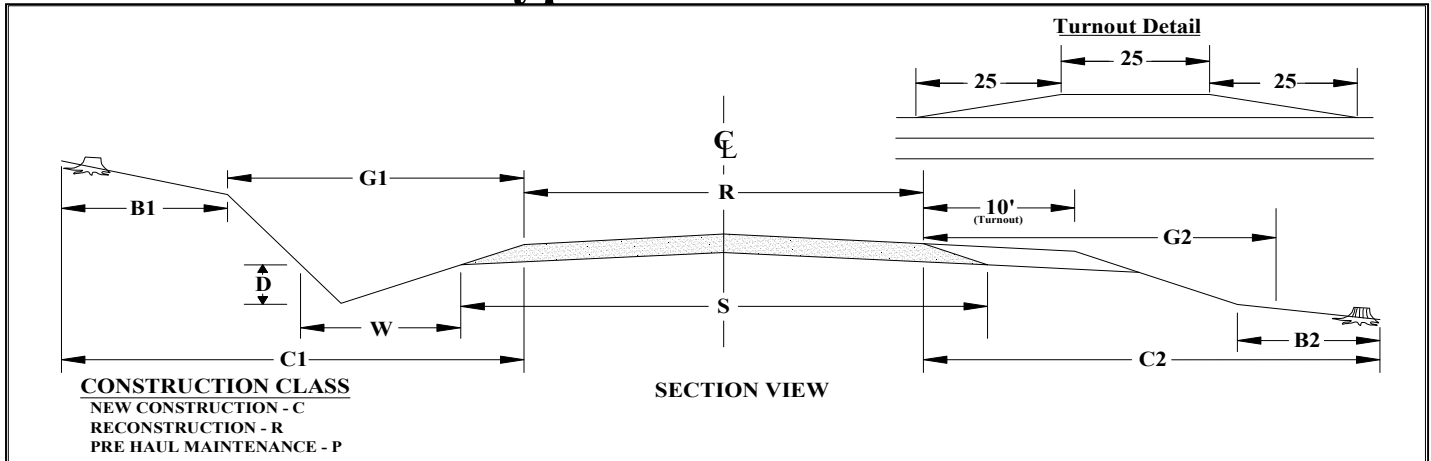
DATE: 7/10/2024

State of Washington
Department of Natural Resources

Application No. : 30-106639

Name of Sale: Wood Chute

Typical Section Sheet



ROAD NAME	START STATION	END STATION	CONSTRUCTION CLASS	SUBGRADE WIDTH (S)	ROAD WIDTH (R)	INSLOPE "/10'	OUTSLOPE "/10'	CROWN " AT CL	DITCH WIDTH (W)	DITCH DEPTH (D)	DITCH 2 SIDES			GRUBBING CUT BANK (G)	GRUBBING FILL TOE (G2)	ROAD CUT CLEARING (B)	ROAD FILL CLEARING (B)	R/W CUT CLEARING (C1)	R/W FILL CLEARING (C2)
E372403E	0+00	16+29	P		14									3	3			6	6
E372403E	16+29	54+61	C		14		4									6	6		
E372403F	0+00	13+63	C		14		4									6	6		
E372404B	0+00	144+77	P		14									3	3			6	6
E372404H	0+00	59+12	C		14		4									6	6		
E372404J	0+00	12+31	P		14									3	3			6	6
E372409A	0+00	97+18	P		14									3	3			6	6
E382433D	0+00	13+86	C		14											6	6		

Date: 07/11/2024

FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS

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 , in accordance with Clause 4-6 EMBANKMENT SLOPE RATIO, 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 as directed, 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.

Structures

- Repair culverts, bridges, gates, fences, cattle guards, signs, and other road structures as required because of purchaser use. Repairs shall be subject to Contract Administrator's approval.

FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS

Preventative Maintenance

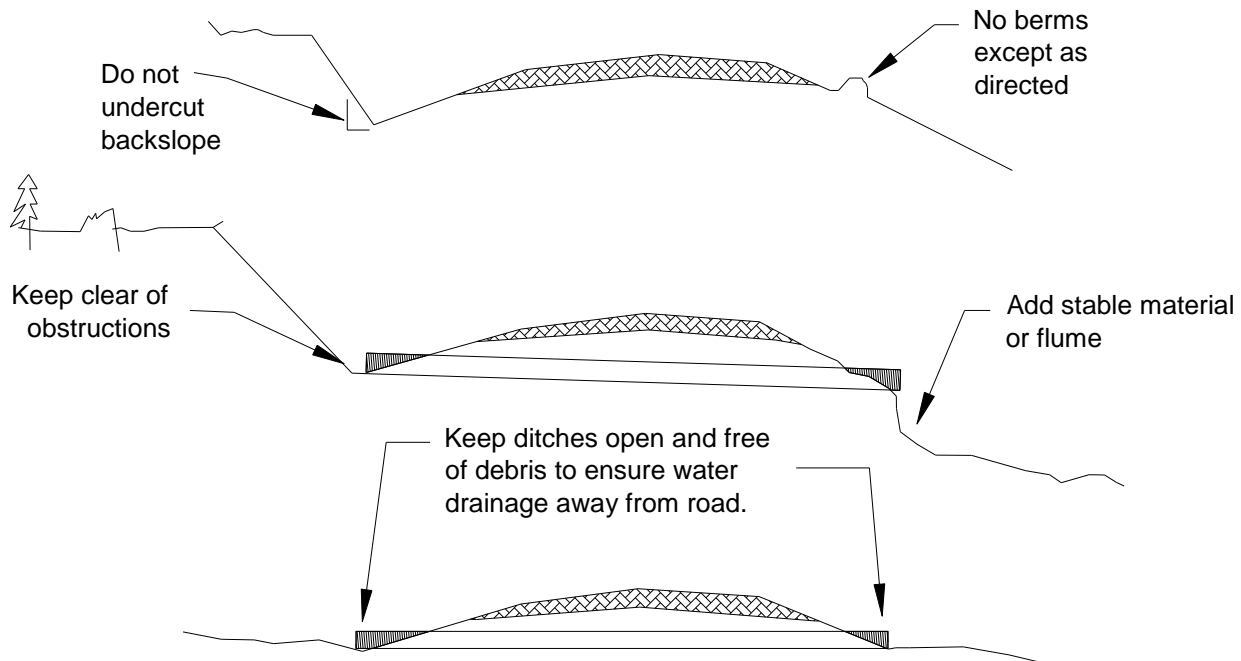
- Perform preventative maintenance work to safeguard against storm damage, such as blading to ensure correct runoff, ditch and culvert cleaning, and waterbar maintenance.

Termination of Use or End of Season

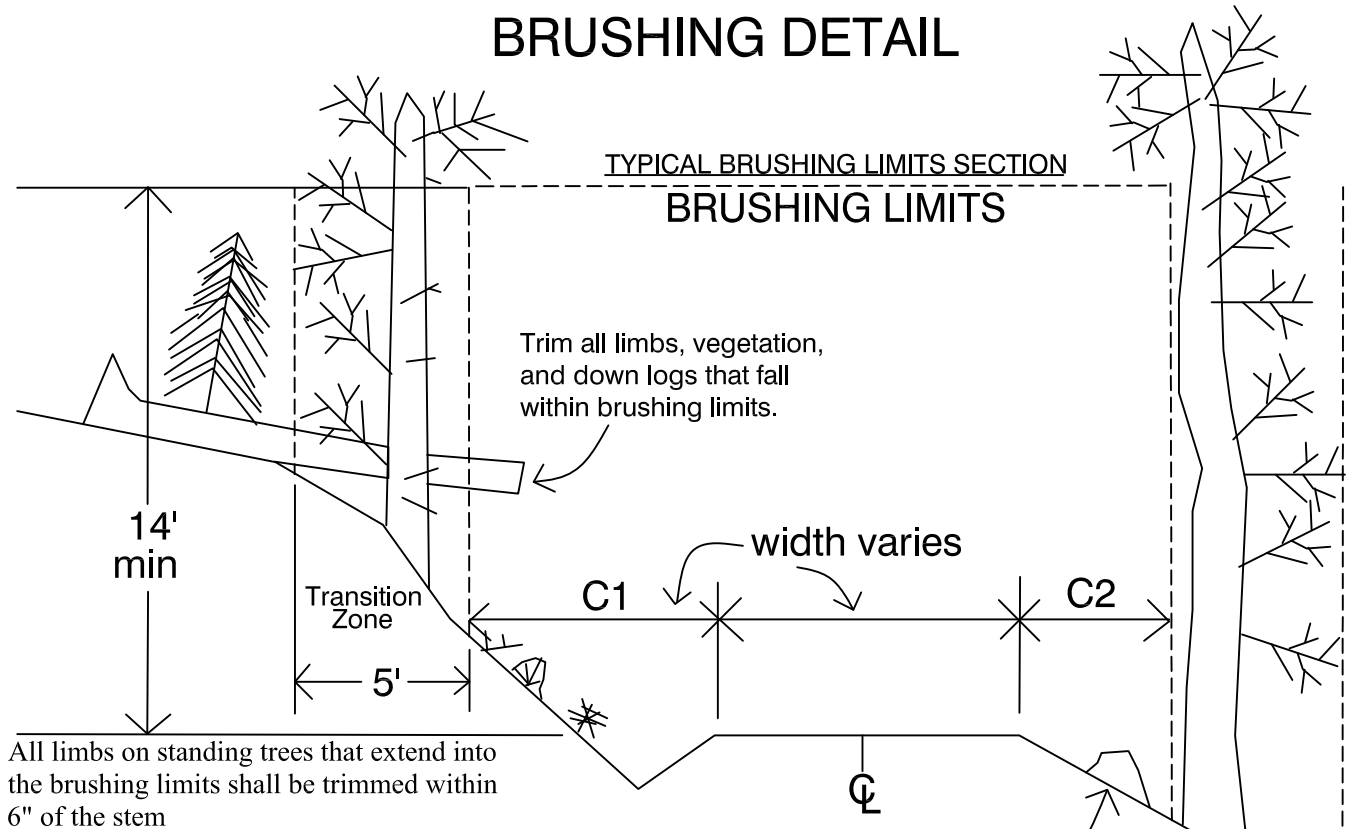
- At the conclusion of logging operations, ensure all conditions of these specifications have been met.

Debris

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

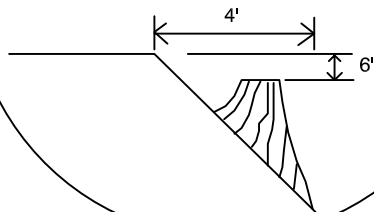


BRUSHING DETAIL

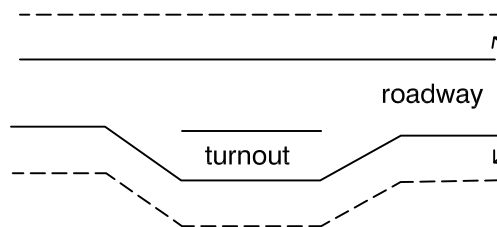


Any trees less than 6" in diameter shall be cleared within the transition zones.

Trim all stumps and vegetation within 4' of edge of road and in ditch to at least 6" below the elevation of the edge of road.



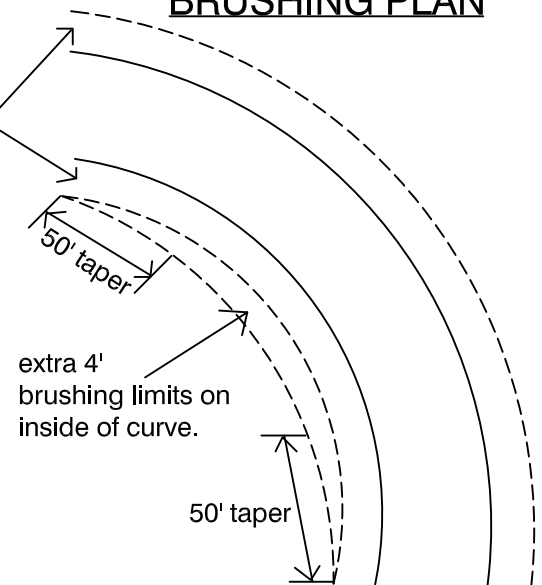
CURVE BRUSHING PLAN



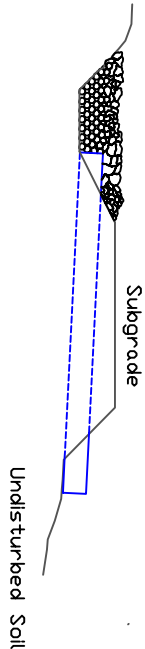
Brushing limits as shown on typical section

TURNOUT BRUSHING PLAN

1. All vegetation within the brushing limits shall be cut to within 8" of the ground unless otherwise directed by the contract administrator.
2. All brush, trees limbs, etc. shall be removed from the road surface and ditchline.
3. All debris that may roll or migrate into the ditchline shall be removed.

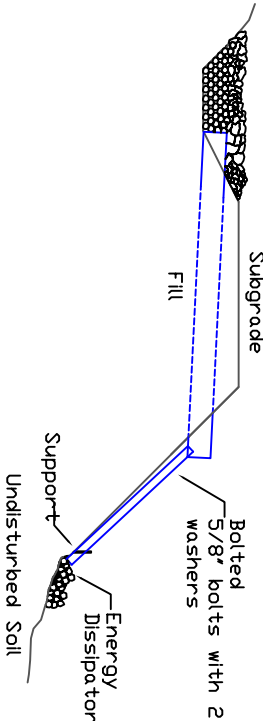


CULVERT AND DRAINAGE SPECIFICATIONS DETAIL - D1



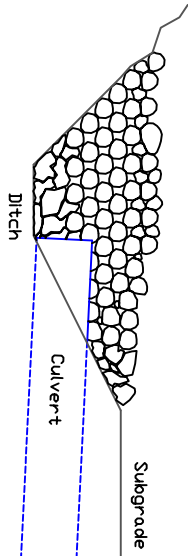
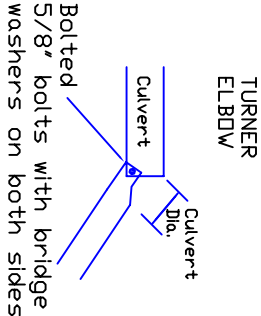
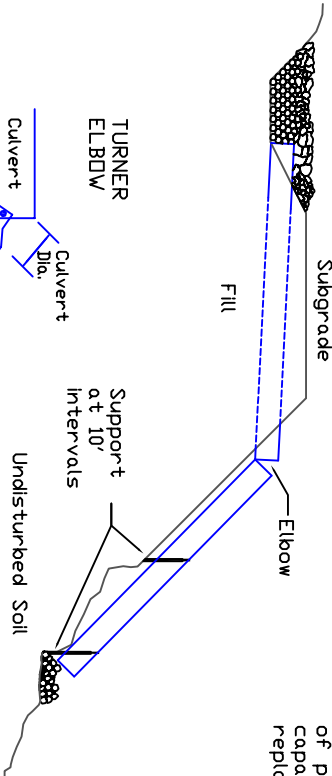
FLUME

Use where ground conditions are uniform, providing for stability of flume.



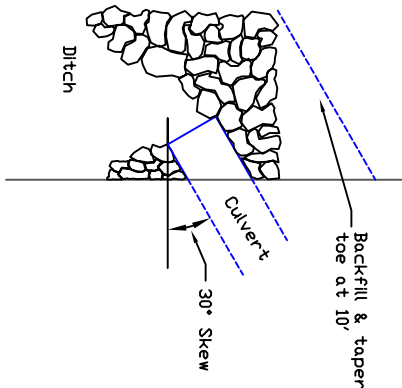
DOWNSPOUT

Use where ground conditions are irregular.



HEADWALLS

Headwall to be constructed of material that will resist erosion

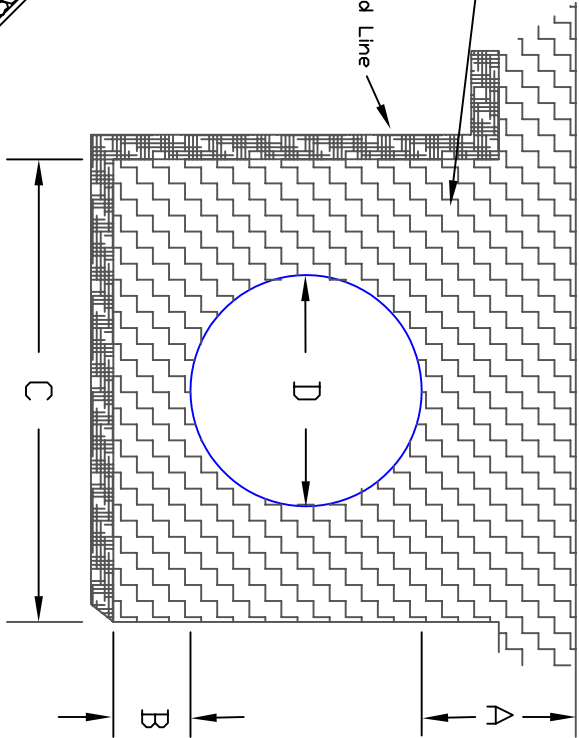


PLAN VIEW

Minimum Cover	Minimum Bed Depth	Min. Trench Width	Nominal Diameter
A	B	C	D
12"	6"	36"	18"
12"	6"	42"	24"
12"	6"	48"	30"
12"	6"	54"	36"

ROAD SURFACE

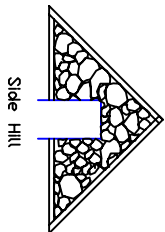
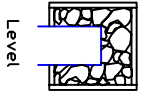
CULVERT BACKFILL & BASE PREPARATION (For Culverts Less Than 36")



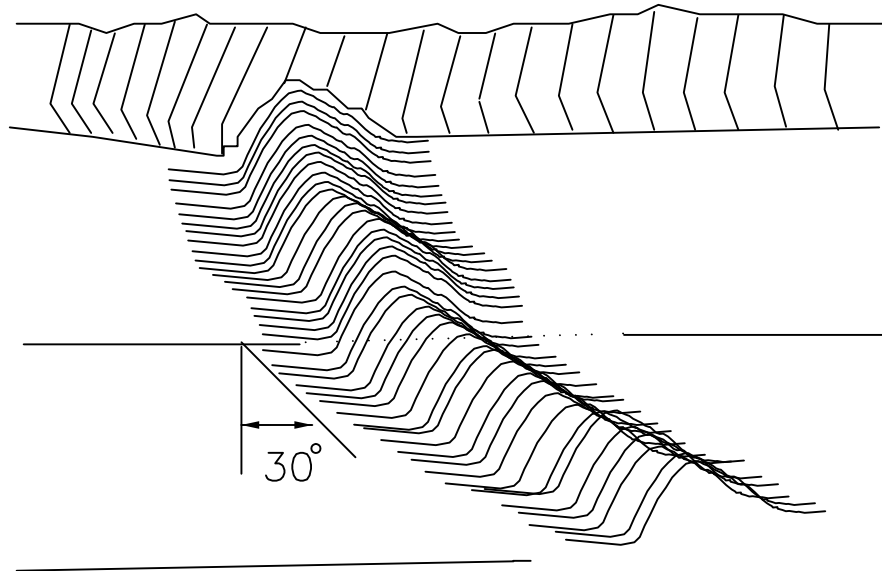
BEDDING MATERIAL:

Use granular material - 3' minus. Large rocks shall be replaced with suitable material. Materials of poor or non-uniform bearing capacity shall be removed and replaced with suitable fill.

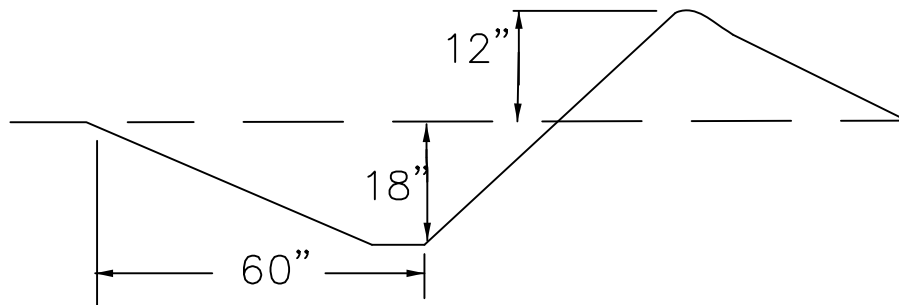
DISSIPATOR SPEC'S
Size in Culvert Diameter
Area 2 X 2
Depth 1
Aggregate 1/3



Top View

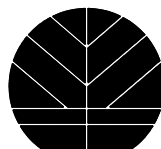


Side View



1. Waterbar construction for forest roads with little or no traffic.
2. Specifications are average and may be adjusted to conditions.
3. Bottom of waterbar must be outsloped to ensure proper drainage.
4. Rock outlet if steep fill slope is present.

Driveable Waterbar Detail



WASHINGTON STATE DEPARTMENT OF
Natural Resources

**Northeast Region
Colville, Washington**

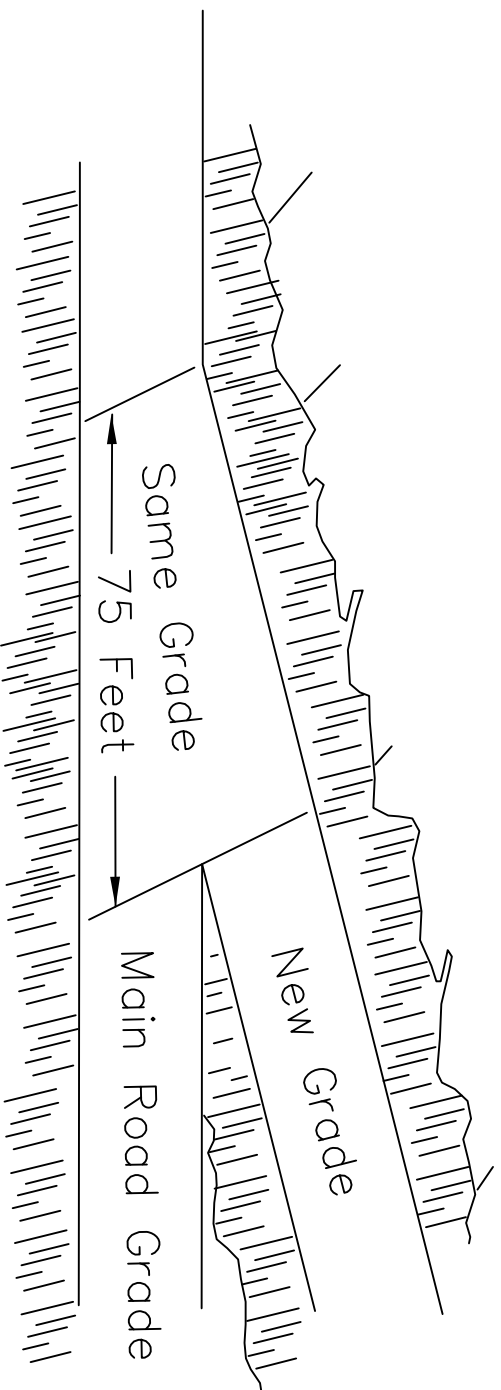
Designed By: Stash Slabinski 9/06/05

Drawn By: Stash Slabinski 9/06/05

Revised:

1 OF 1

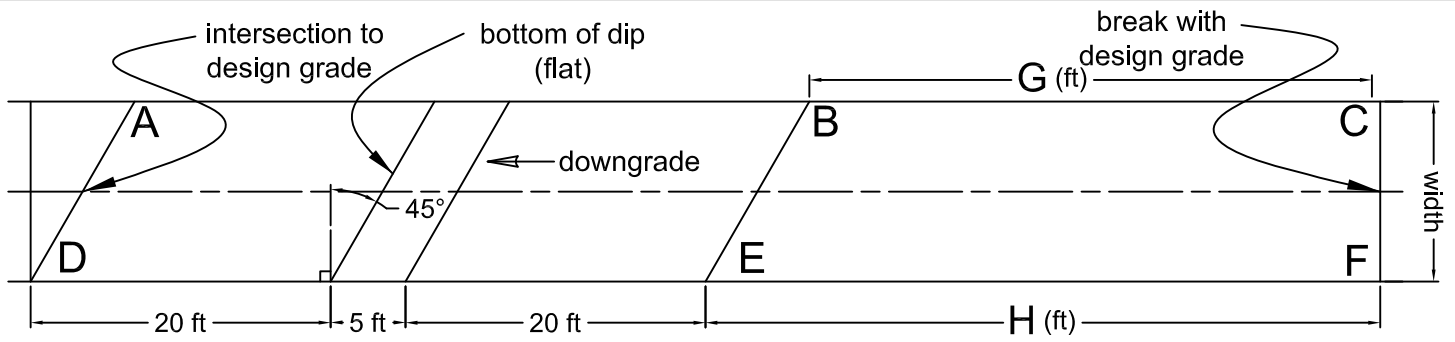
Intersection Detail



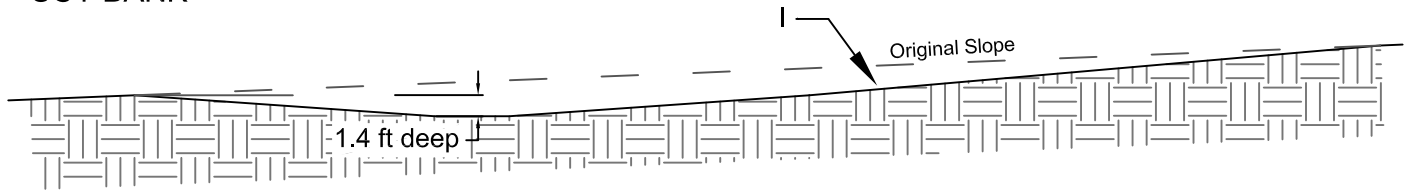
Main road and spur must have the same grade until there is horizontal separation from each other.

STANDARD 45° ROLLING DIP

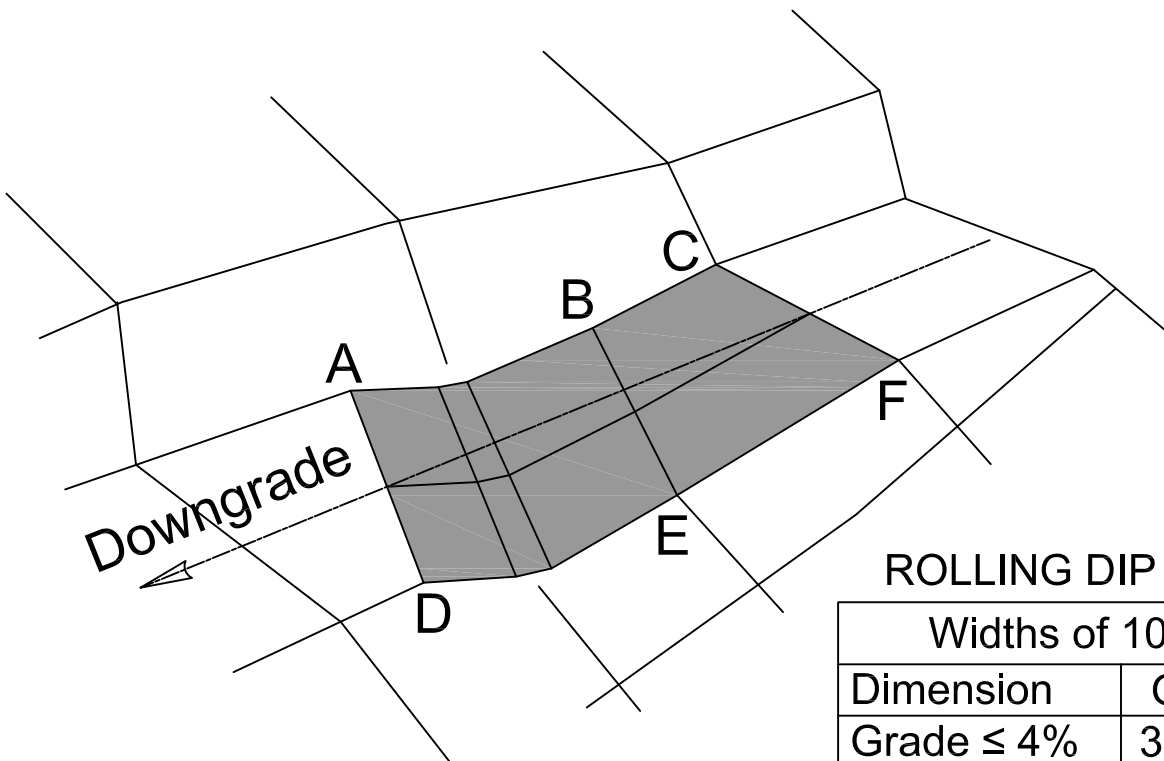
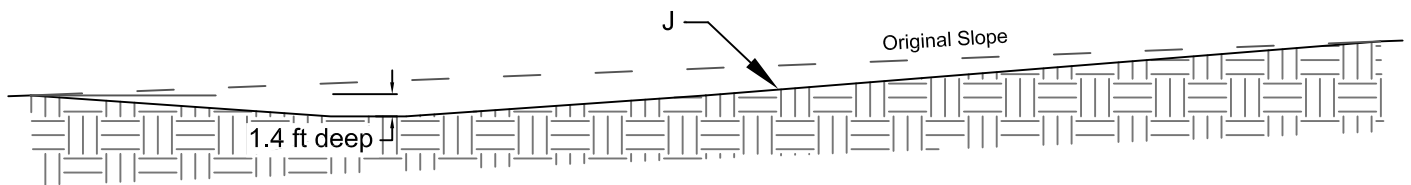
PLAN OF ROLLING DIP



CUT BANK



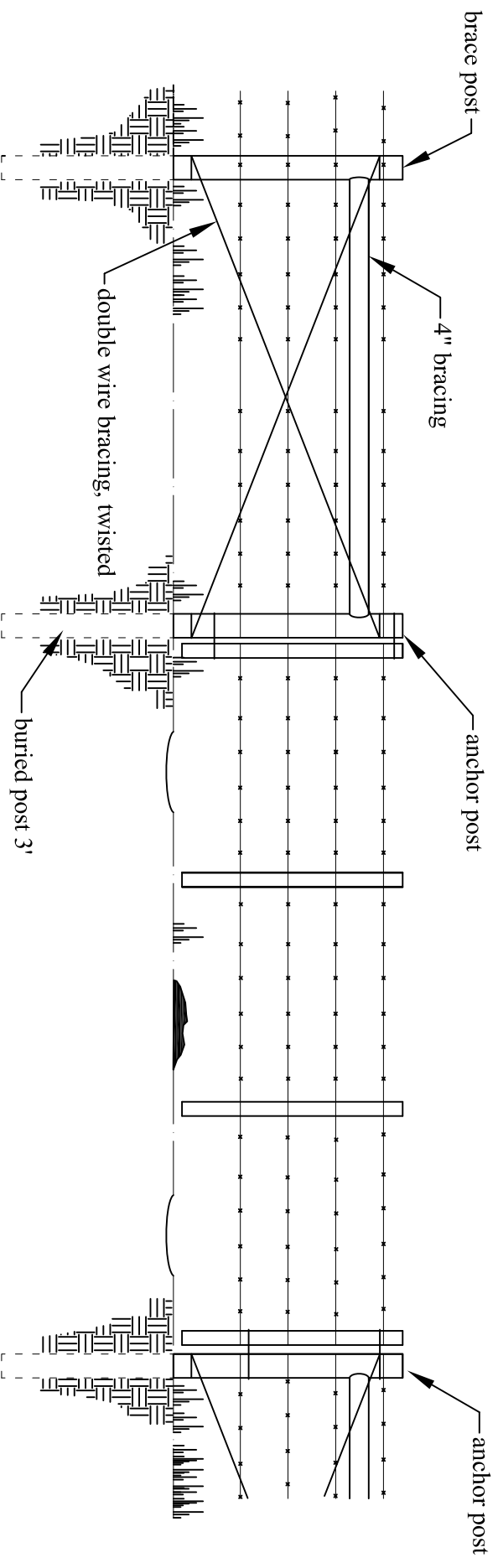
FILL SLOPE



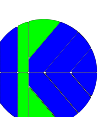
ROLLING DIP DIMENSIONS

Widths of 10' through 14'				
Dimension	G	H	I	J
Grade $\leq 4\%$	38'	45'	9%	8%
Grade = 6%	48'	55'	11%	11%
Grade = 8%	58'	65'	14%	14%

4 Strand Wire Gate and Gate Brace Detail



1. First wire from ground must be 14" high.
2. Subsequent wires must be no less than 10" apart.
3. Double wrap all bracing.
4. All brace posts must be 7' long, 5" in diameter, and embedded 3'.
5. Dap braces into posts.
6. Spike braces to posts.
7. There must be 8' on center between anchor post and brace post.
8. The gate stays must be no less than 5' apart and 1 ½" in diameter.
9. Barbed wire must be 12 ½ gauge conventional or 15 ½ gauge high-tension.
2 twisted strands with 14 gauge or heavier two-point barbs on approx. 5 in centers. Class 1 (min. or equivalent) zinc-coating as per ASTM A-121.
10. There must be a gate brace at both ends of the gate.



Washington State Department of
Natural Resources

Northeast Region

Colville, Washington

Drawn by: Jason Bauer

Revised: 10/06/2009

Live Stream Water Bypass Example

Order of Work is as follows::

1. Contractor shall notify the State of intent to start project, and a pre-work conference shall be held before move in of equipment.
2. Assemble the items on the "Materials List" below onsite before proceeding
3. Set up pumps
4. Upstream from inlet of culvert, dig a hole that will damn up the stream water.
5. Route clean water, at the inlet, around work site and back into stream using a clean water pump (dissipate flow from pump outlet).
6. Start pump and monitor for presence of fish. If fish are found, move them to an appropriate location that will ensure survival.
7. Use dirty water pump to pump any dirty water from the construction site itself to the forest floor at least 50 feet from the stream (to ensure the silt laden water does not reenter the stream.)
8. With all water removed from site, begin construction

Materials List (quantities below are minimums and may require more to achieve specified results listed above):

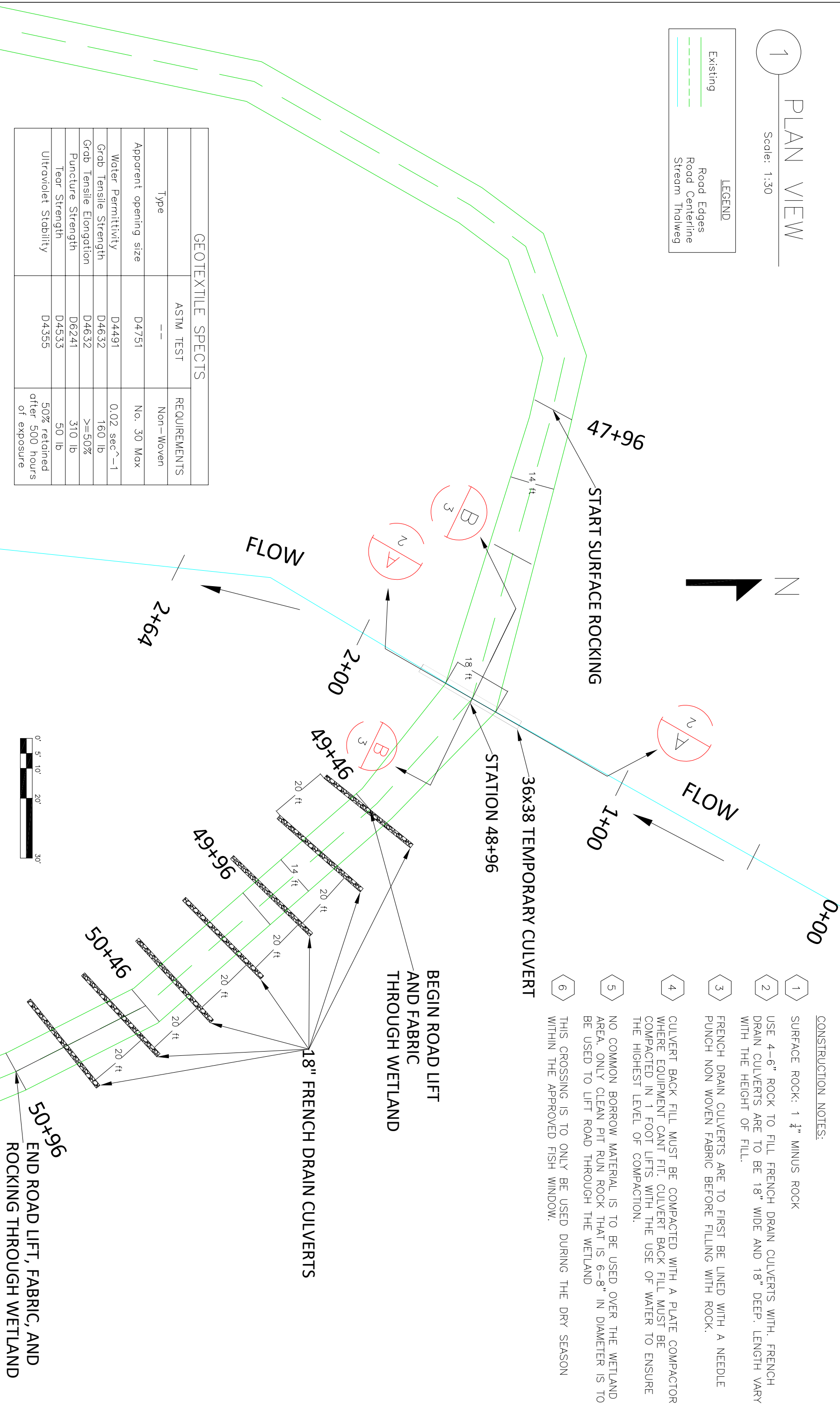
1. 3 pumps with approved screens for intakes
 - a) Clean water pump up stream from culvert inlet shall have a minimum capacity equal to or greater than the streams capacity at seasonal high flow
 - b) Dirty water pump shall have a minimum capacity of 300 gallons per minute
 - c) Backup pump shall have a minimum capacity of 400 gallons per minute

1

PLAN VIEW

Scale: 1:30

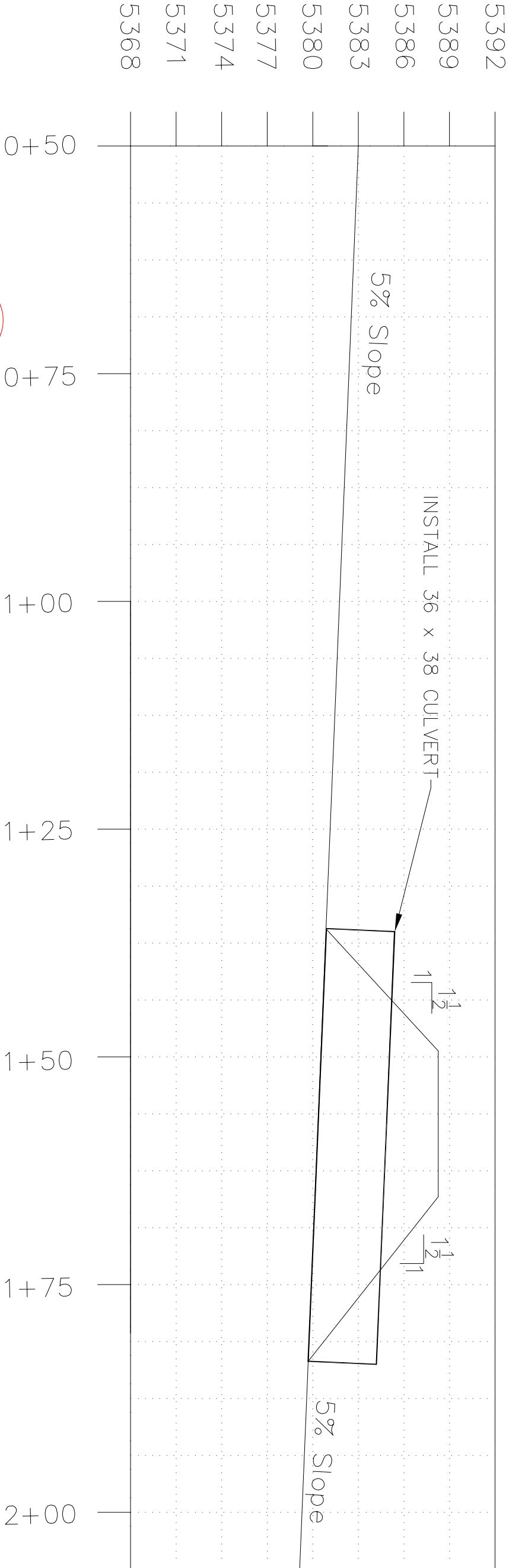
LEGEND	
	Existing
	Road Edges
	Road Centerline
	Stream Thalweg



2

STREAM CROSS SECTIONS

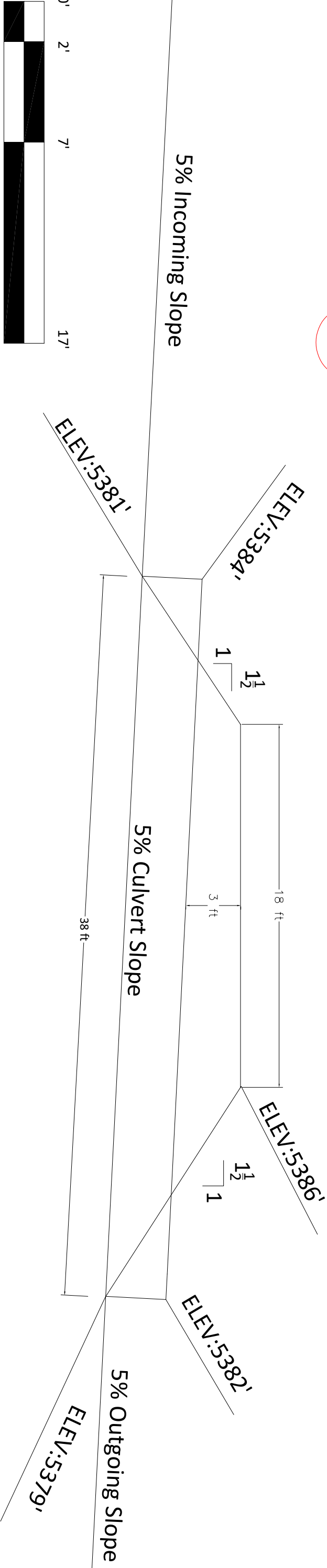
Scale: 1:12.5



Culvert Cross Section A

SCALE: 1" = 5'

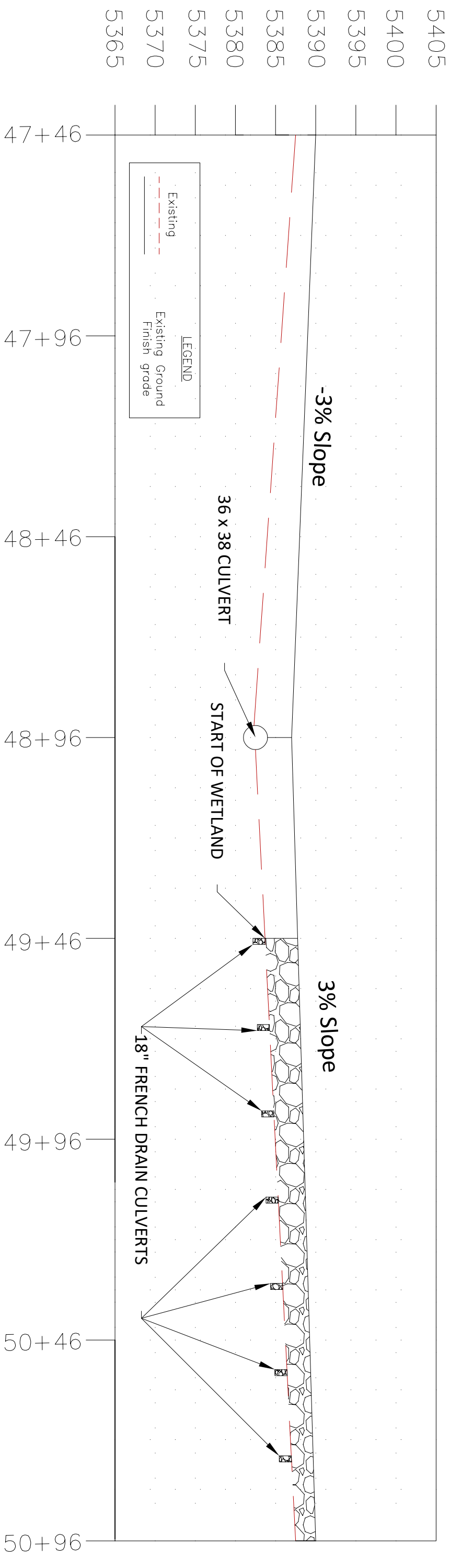
Sheet 1



DESIGN BY:	C. Rojas	NO.		REVISION DESCRIPTION		DATE	BY	VERIFY SCALE		WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES		Wood Chute Temporary Fish Culvert		SHEET
DRAWN BY:	C. Rojas							1.0"		NATURAL RESOURCES				2
CHECKED BY:								If bar does not measure 1.0", adjust scales accordingly				Culvert Cross Section		OF
DATE:	9/22/2024													3

ROAD CROSS SECTIONS

Scale: 1:12.5



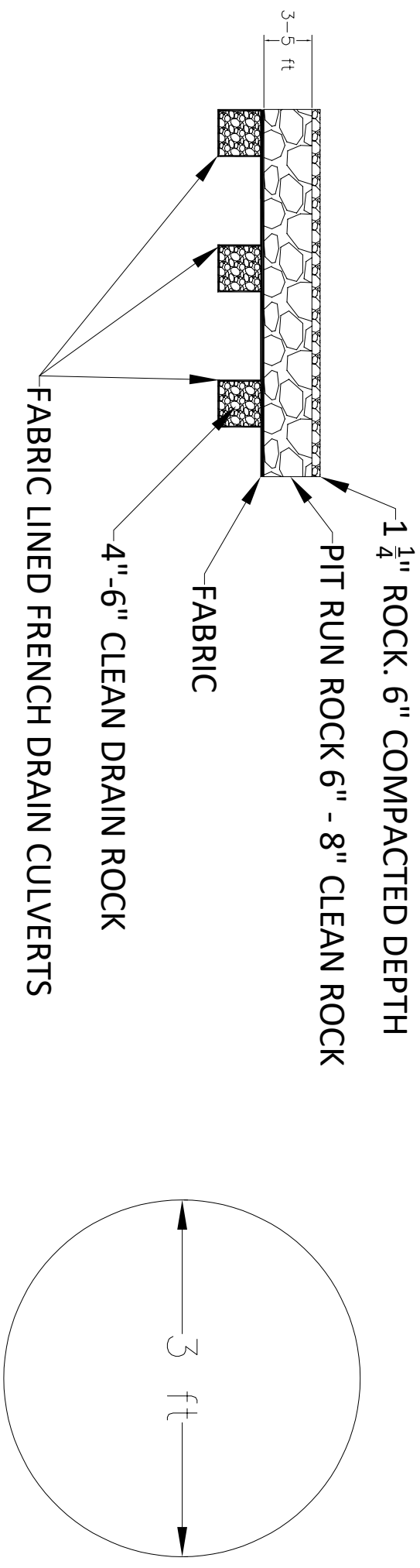
CONSTRUCTION NOTES:


- 1 NO DRIVING ON TOP OF FABRIC. THERE MUST BE A MINIMUM OF 1 FT LIFT OF ROCK ON TOP OF FABRIC BEFORE DRIVING ON TOP OF IT.
- 2 CULVERT MUST BE REMOVED AFTER USE. REFER TO ROAD PLAN FOR ABANDONMENT DETAILS
- 3 ROAD SURFACE NEEDS TO BE CROWNED. SURFACE ROCK IS TO COMPACTED TO 6" IN DEPTH.
- 4 LIFT ROAD THROUGH WETLAND WITH GEOTEXTILE FABRIC, PIT RUN ROCK (6-8" diameter), AND 1 $\frac{1}{4}$ " CAP ROCK.
- 5 PIT RUN AND ROCK LIFT VARIES IN HEIGHT THROUGHOUT THE LENGTH OF THE WET LAND. IT IS A 5 FT LIFT CLOSER TO THE CULVERT, AND CLOSER TO A 3 FEET LIFT AT THE END OF THE WETLAND.

ROAD LIFT CROSS SECTION

Culvert Cross Section (B)

SCALE: 1" = 1.2'



DESIGN BY:	C. Rojas	NO.	REVISION	DESCRIPTION	DATE	BY	<div><div>1.0"</div><div>VERIFY SCALE</div><div>If bar does not measure 1.0", adjust scales accordingly</div></div>	<div><div>WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES</div></div>	Wood Chute Temporary Fish Culvert	SHEET
DRAWN BY:	C. Rojas					3				
CHECKED BY:									Culvert Cross Section	OF
DATE:	9/22/2024									

CONTRACT #: 30-106639

DISTRICT: Highlands

			Construction	Reconstruction	Maintenance	Abandonment	Decomission
ROAD NUMBERS:			E372403E E372403F E372404H E382433D		E372403E E372404B E372404J E372409A		
Comments:							
ROAD STANDARD:			Construction	Reconstruction	Maintenance	Abandonment	Decomission
NUMBER OF STATIONS:			124.93	0.00	270.55	0.00	0.00
CLEARING, GRUBBING, GRADING			\$ 1,249.30	\$ -	\$ 16,517.87	\$ -	\$ -
EXCAVATION AND FILL:			\$ 58,509.20	\$ -	\$ 2,400.00	\$ -	\$ -
MISC. MAINTENANCE:			\$ 17,312.00	\$ -	\$ 842.00	\$ -	\$ -
ROAD ROCK:			\$ 5,500.00	\$ -	\$ -	\$ -	\$ -
ADDITIONAL ROCK:			\$ -	\$ -	\$0	\$0	\$0
CULVERTS AND FLUMES:			\$ 20,657.74	\$ -	\$ -	\$ -	\$ -
STRUCTURES/MATERIALS:			\$0	\$0	\$0	\$0	\$0
TOTAL COSTS:			\$103,228	\$0	\$19,760	\$ -	\$ -
COST PER STATION:			\$826	\$0	\$73	\$0	\$0
MOBILIZATION:					Moveing cost \$3,250		Total \$126,238
15% increase in price due to inflation							\$ 126,238.11
Total Volume (MBF)							3,430
\$/MBF							\$ 36.80

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Land Office

729 N.E. Oregon Street (P.O. Box 2965)
Portland, Oregon 97208

~~22840(1700)~~

Your Ref: #514
Road No. OM-S-1000
Sinlahekin Deer Winter
Range and Wildlife Refuge

DECISION

AMENDED RIGHT-OF-WAY GRANTED

December 5, 1969

Details of Grant

Serial number of grant - - - - - Washington 05370
Name of grantee - - - - - Department of Natural Resources
State of Washington
Map showing the location and dimensions
of grant:
Map designations - - - - - Marked Exhibit "A" (3 sheets)
Date filed - - - - - August 19, 1968
Permitted use by grantee - - - - - Road Widening and Reconstruction
Authority for grant - - - - - R.S. 2477 (43 U.S.C. 932)
Regulations applicable to grant:
Code reference - - - - - 43 CFR 2234
Circular number(x) - - - - - ~~2151~~ 2265
Date of grant - - - - - December 5, 1969
Expiration date of grant - - - - - Termination on abandonment, non-use, or
relinquishment.
Rental:
Amount - - - - - None
When payable by grantee - - - - -

Terms and Conditions of Grant

Pursuant to the authority vested in the undersigned by Order No. 701 of the
Director, Bureau of Land Management, dated July 23, 1964 (29 F.R. 10526), as
amended, a right-of-way, the details of which are shown above, is hereby
granted, subject to the following terms and conditions.

1. All valid rights existing on the date of the grant.
2. All regulations in the circular(x) specified above.
3. Form 1510-11 attached.
4. Filing of proof of construction within 5 years from date of the grant.
5. Compliance with Title VI, Civil Rights Act of 1964 (78 Stat. 241) in
accordance with Form OLO-1814-2, attached to and made a part hereof, and
identified as Exhibit "B".
6. This decision is an amendment to the original right-of-way, Washington
05370, granted on January 12, 1965, and incorporates all the terms, conditions,
and stipulations included in our decision of January 12, 1965.

Approved as to Form Only.

18 day of December 1969.

Enclosures:
Form 1510-11
Form OLO-1814-2
Maps (Exhibit "A") 3 sheets
Circular 2265

SLADE GORTON
Attorney General

By Virgil O. Seiser
Assistant Attorney General

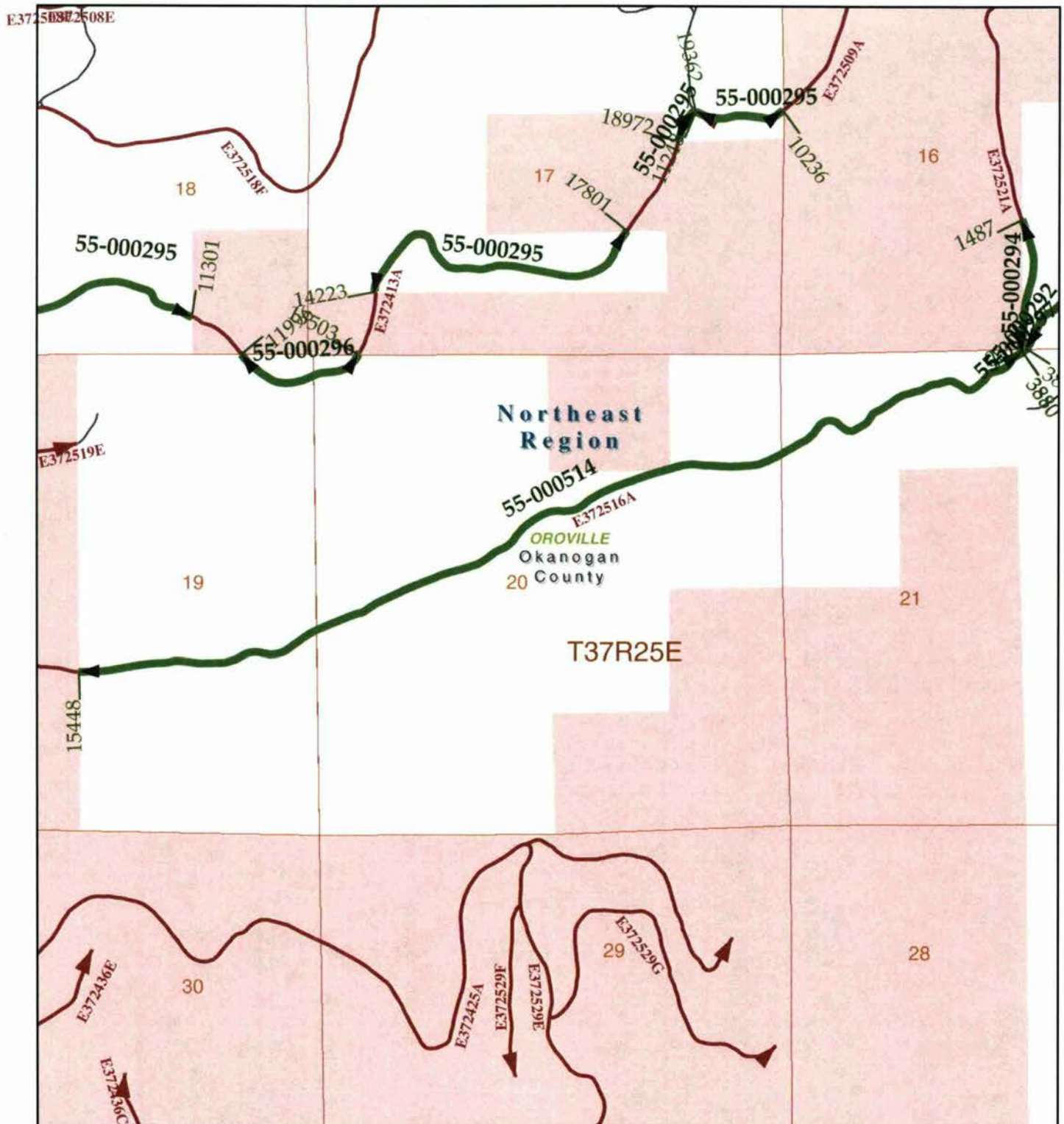
Virgil O. Seiser
Chief, Branch of Lands

cc:
Regional Director
Bureau of Sport Fisheries and Wildlife
P.O. Box 3737
Portland, Oregon 97208 w/maps

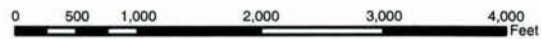
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AUDITION
CALIFORNIA WASH.

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RECORDED
INDEXED



Legend



Right of Way Easements Road by USGS

-  1: Acquired by DNR
 2: Granted to Other
 9: Unknown
-  1: Primary Highway/All-Weather/Hard Surface
 2: Secondary Highway/All-Weather/Hard Surface
 3: Light-Duty Road/All-Weather/Improved
 4: Unimproved Road/Fair or Dry Weather
 9: Freeway Ramps or Unknown

DNR Managed Lands

-  Granted Trust Lands
-  Forest Board Trust Lands
-  NAP / NRCA
-  Other DNR-Managed Lands

PLO:39
Sept. '60

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VOL

31 PAGE 105

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COMMISSIONER OF PUBLIC LANDS

No.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

100.7h
Washington 05370
2234

January 12, 1965

DECISION

RIGHT-OF-WAY GRANTED

Details of Grant

Serial number of grant - - - - - Washington 05370
Name of grantee - - - - - Department of Natural Resources
State of Washington
Map showing the location and dimensions
of grant:
Map designations - - - - - Marked "Exhibit A"
Date filed - - - - - July 23, 1964
Permitted use by grantee - - - - - Highway
Authority for grant - - - - - Revised Statutes 2477 (43 U.S.C.932)
Regulations applicable to grant:
Code reference - - - - - 43 CFR 2234
Circular numbers - - - - - 2161
Date of grant - - - - - January 12, 1965
Expiration date of grant - - - - - Upon abandonment or non-use for highway
purposes of the right-of-way
Rental:
Amount - - - - - No Charge Required
When payable by grantee - - -

Terms and Conditions of Grant

Pursuant to the authority vested in the undersigned by Order No. ⁷⁰¹ ~~XXXX~~ of the
Director, Bureau of Land Management, dated ~~April 23, 1954 (19 F.R.2477)~~
as amended, a right-of-way, the details of which are shown above, is hereby
granted, subject to the following terms and conditions. *July 23, 1964 (29 F.R.10526)

1. All valid rights existing on the date of the grant.
2. All regulations in the circulars specified above ~~XXXXXX~~
~~43 CFR 2161.0-1~~
3. Filing of proof of construction within 5 years of date of
the grant.
4. Further terms and conditions as follows:
 - a. The applicant shall cause all slash resulting from all trees
removed for road construction to be piled for burning along side
the road constructed and disposed of in accordance with applicable
State laws and regulations relating to slash disposal.
 - b. This permit shall be deemed a non-exclusive right to use the
existing road over the land of the United States described herein.
The United States, its licensees, permittees and assigns shall
have the right to use the road without payment except for pro rata
maintenance expense.

Erling A. Olson

Erling A. Olson
Assistant Manager, Lands Adjudication Branch

Enclosures: Form 1510-11
Circ. 2161

Distribution:
Orig. : File
Dup. Orig.: Grantee w/map cc: Director w/map
Spokane w/map

FILED FOR RECORD
Dept of Natural Resources
1965 JUN 29 PM 2:43
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BANKS & COUNTY AUDITOR
ORANOGAN, WASH.

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PAGED

DEPARTMENT OF NATURAL RESOURCES

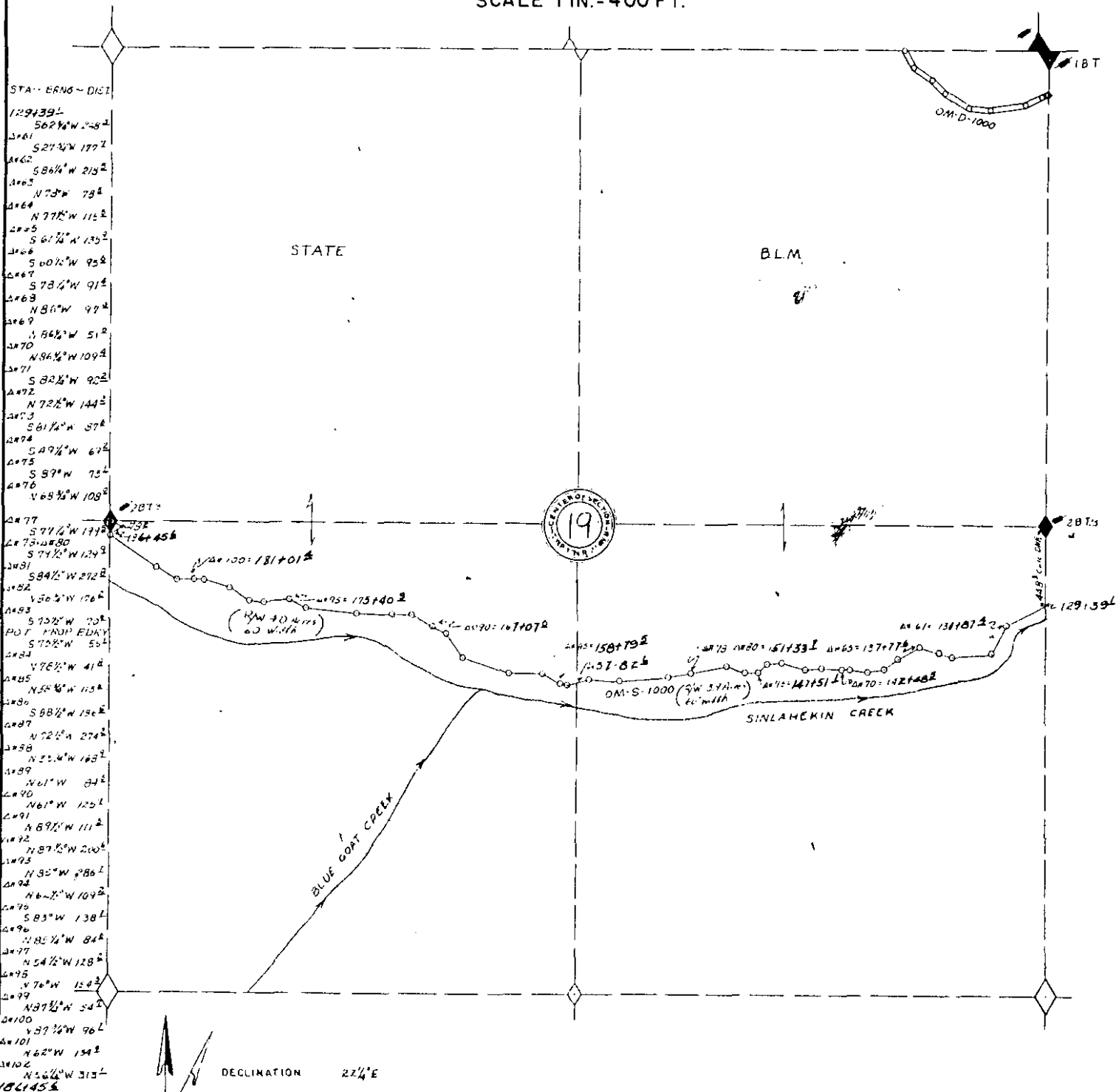
RIGHT OF WAY PLAT

OM-S-1000 ROAD

SEC. 19 T.37N. R.25E. W.M.

OKANOGAN COUNTY WASH.

SCALE 1 IN. = 400 FT.



I, WILLIAM C. GROSS, SUPERVISOR OF FOREST ENGINEERING, DO HEREBY CERTIFY THAT THIS MAP ACCURATELY REPRESENTS THE LOCATION OF SAID ACCESS ROAD ACROSS SECTION 19 TOWNSHIP 37 NORTH, RANGE 25 WEST WILLAMETTE MERIDIAN

SUPERVISOR OF FOREST ENGINEERING

EXHIBIT A

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES
RIGHT OF WAY PLAT

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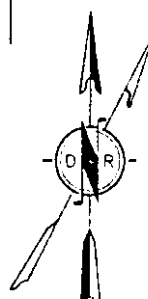
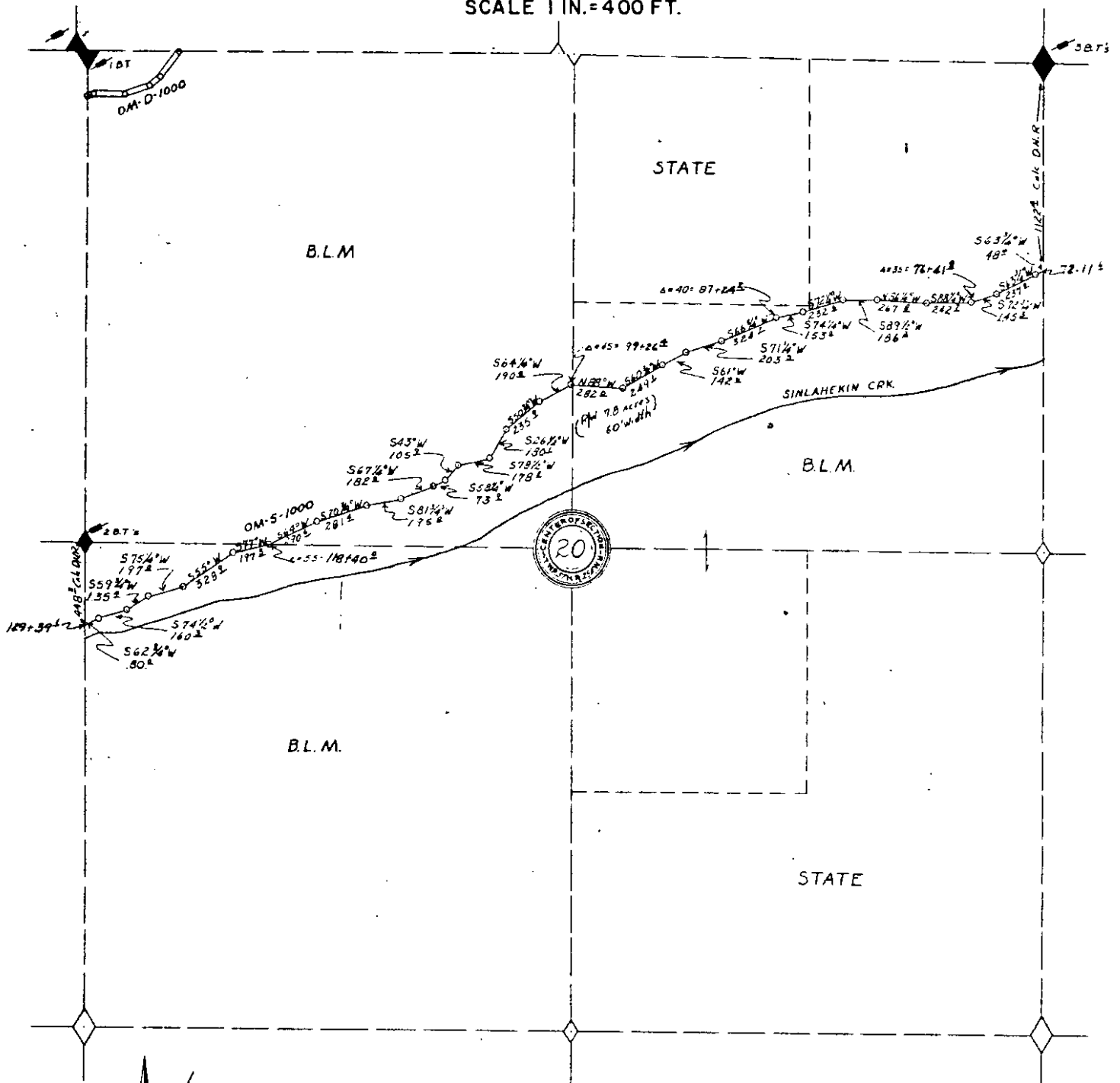
VOL 31 PAGE 107

OM-S-1000 ROAD

SEC. 20 T.37N. R.25E. W.M.

OKANOGAN COUNTY WASH.

SCALE 1 IN. = 400 FT.



DECLINATION 22 1/4° E
TRAVERSED BY: DTU
DRAWN BY: DTU
DATE 8/26/63

I, WILLIAM C. GROSS, SUPERVISOR OF FOREST ENGINEERING, DO HEREBY CERTIFY THAT THIS MAP ACCURATELY REPRESENTS THE LOCATION OF SAID ACCESS ROAD ACROSS SECTION 20 TOWNSHIP 37 NORTH, RANGE 25E WILLAMETTE MERIDIAN

EXHIBIT A

SUPERVISOR OF FOREST ENGINEERING

[Handwritten signature]

525417

VOL

31 PAGE 108

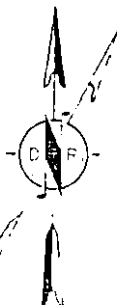
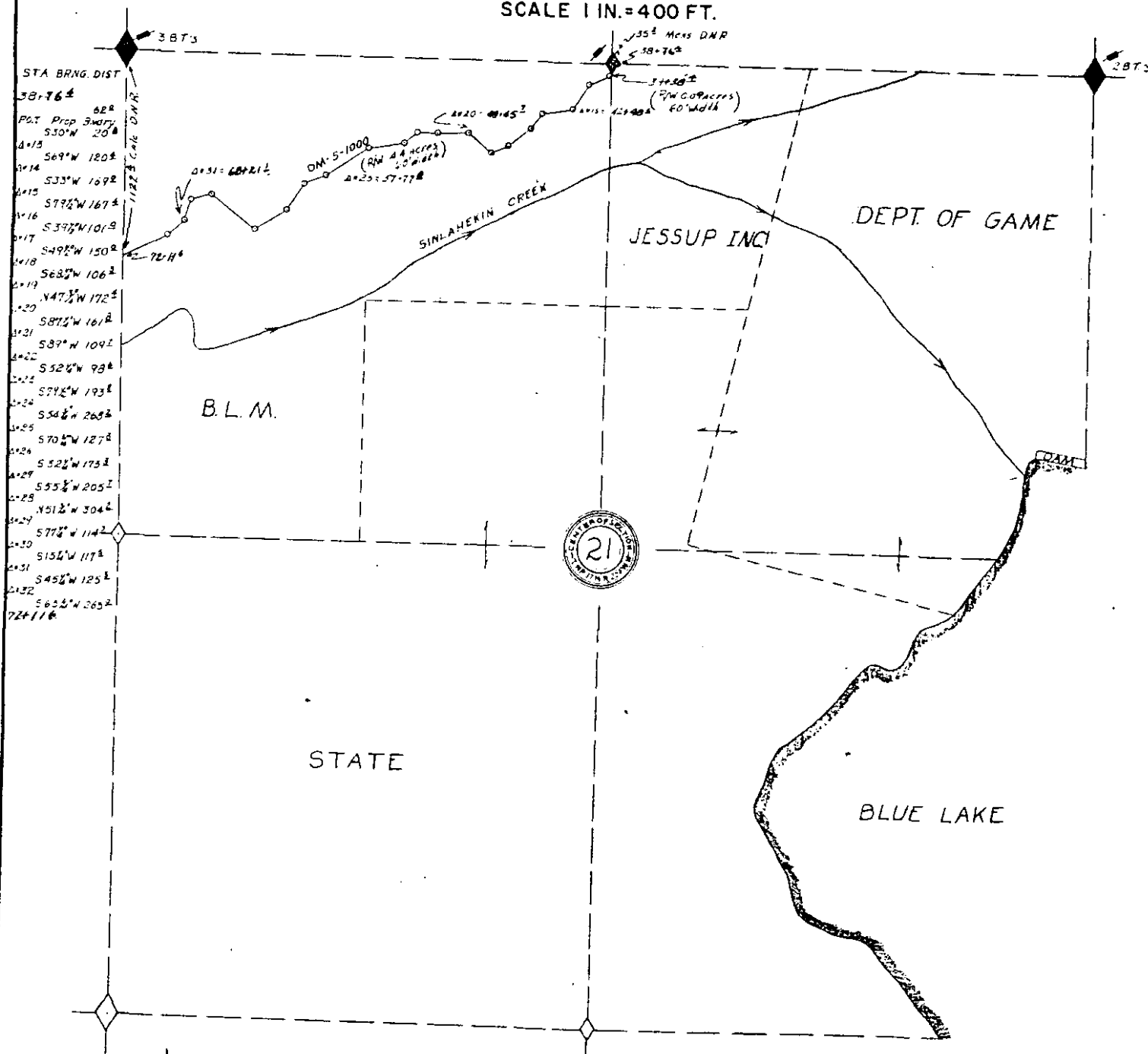
DEPARTMENT OF NATURAL RESOURCES

OM-S-1000 ROAD

SEC. 21 T.37N. R.25E W.M.

OKANOGAN COUNTY WASH.

SCALE 1 IN. = 400 FT.



DECLINATION 224°
TRAVERSED BY D.T.U.
DRAWN BY D.T.U.
DATE 3/26/62

EXHIBIT A

I, WILLIAM C. GROSS, SUPERVISOR OF FOREST ENGINEERING, DO
HEREBY CERTIFY THAT THIS MAP ACCURATELY REPRESENTS THE
LOCATION OF SAID ACCESS ROAD ACROSS SECTION 21 TOWNSHIP
37 NORTH, RANGE 25E WILLAMETTE MERIDIAN

SUPERVISOR OF FOREST ENGINEERING