

COUNTY: Okanogan

TIMBER NOTICE OF SALE

SALE NAME: Q JUPITER AGREEMENT NO: 30-104762

AUCTION: November 14, 2023 starting at 10:00 a.m.,

Northeast Region Office, Colville, WA

SALE LOCATION: Sale located approximately 11 miles west of Loomis, WA.

PRODUCTS SOLD

AND SALE AREA: All conifer species except for leave trees banded with yellow paint, leave trees bounded

by yellow leave tree area tags and two standing snags per acre in Units 1, 3, 4, 5 and 6 bounded by white timber sale boundary tags; All green conifer species except for leave trees banded with yellow paint and leave trees bounded by yellow leave tree area tags in Unit 2 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 6, 7, 18 and 19 all in Township 39 North, Range 25 East, Sections 1, 12 and 24 all in Township 39 North, Range 24 East,

W.M., containing 219 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:

	Avg Ring	Total		MBF by Grade								
Species	DBH Count	MBF	P	5	SM	1S	2S	3S	4S	5S	6S	UT
Douglas fir	12.4	2,010					301	1,311	398			
Spruce	13.4	154					42	86	26			
Lodgepole	9.1	141						69	72			
Alpine fir	7.7	13							13			
Larch	9.3	3							3			
Sale Total		2,321										

MINIMUM BID: \$343,000.00 BID METHOD: Sealed Bids

PERFORMANCE

SECURITY: \$68,600.00 SALE TYPE: Lump Sum

EXPIRATION DATE: November 30, 2025 **ALLOCATION:** Export Restricted

BID DEPOSIT: \$34,300.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised

price.

HARVEST METHOD: Track skidder, Rubber tired skidder, and Ground based equipment. Falling and Yarding

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

ROADS: 16.21 stations of required construction. 341.72 stations of required prehaul maintenance.

29.54 stations of abandonment. 60.00 stations of decommissioning. Road construction

will not be permitted from March 15 to June 1 unless authorized in writing by the

Page 1 of 2 9/27/2023



TIMBER NOTICE OF SALE

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

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: \$39,457.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in

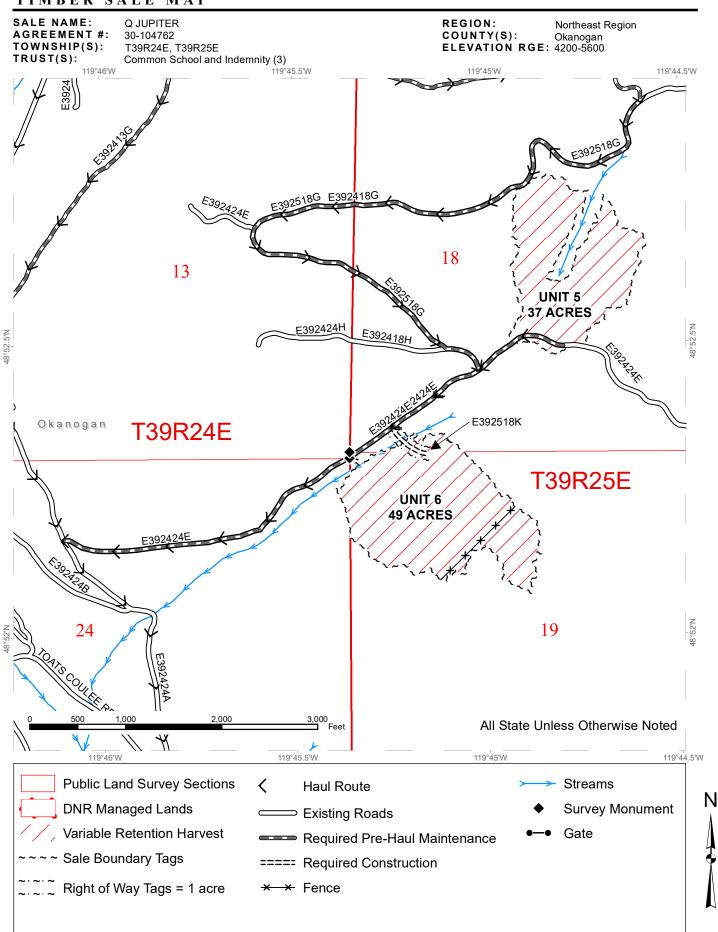
addition to the bid price.

SPECIAL REMARKS: Locked gates restrict access to Units 2 and 4. Contact the Northeast Region Office at

(509) 684-7474 for access.

Page 2 of 2 9/27/2023

Ν

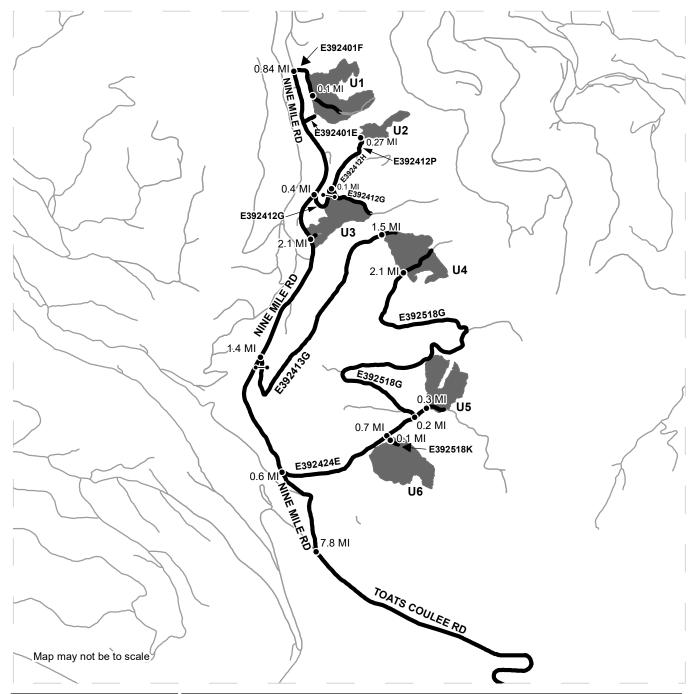


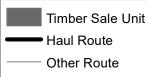
N

SALE NAME: Q JUPITER AGREEMENT#: 30-104762 TOWNSHIP(S): T39R24E, T39R25E

TRUST(S): Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Okanogan
ELEVATION RGE: 4200-5600





Distance Indicator

•–• Gate

DRIVING DIRECTIONS:

From Loomis, WA travel north on the Loomis-Oroville road for 2.1 miles and turn left on Toats Coulee road. Travel approximately 7.8 miles and turn right on Nine Mile road.

To access Units 4-6 travel 0.6 miles and turn right on E392424E. Travel 0.7 miles from the intersection and turn right on E392518K travel for 0.1 miles to access Unit 6.

To access Unit 5 travel 0.3 miles further up E392424E from the intersection of E392424E and E392518K.

To access Unit 4 travel 0.2 miles from the intersection of E392424E and E392518K on E392424E and Turn left on E392518G. Continue on E392518G for 2.1 miles. A second access to Unit 4 is 1.4 miles from the intersection of Toats Coulee road and Nine Mile road. Turn right on E392413G and travel 1.5 miles.

To access Unit 3 turn right onto Nine Mile road at the intersection of Toats Coulee road and Nine Mile road and travel 2.1 miles. A second access to Unit 3 is 0.4 miles further up Nine Mile road- turn right at E392412G and travel 0.1 miles.

The access to Unit 2 is 0.1 miles further up E392412G- take a left at the intersection of E392412G and E392412H and travel 0.27 miles and turn left at E392412P.

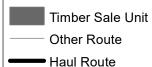
To access Unit 1 travel 0.84 miles further up Nine Mile road from the intersection of Nine Mile road and 392412G. Turn right at E392401F and travel 0.1 miles.

SALE NAME: **Q JUPITER** AGREEMENT#: 30-104762 TOWNSHIP(S): T39R24E, T39R25E

TRUST(S): Common School and Indemnity (3) **REGION:** Northeast Region COUNTY(S): Okanogan

ELEVATION RGE: 4200-5600





Distance Indicator

Gate

Rock Source

Town

DRIVING DIRECTIONS:

From Loomis, WA travel north on the Loomis-Oroville road for 2.1 miles and turn left on Toats Coulee road. Travel approximately 7.8 miles and turn right on Nine Mile road.

To access Units 4-6 travel 0.6 miles and turn right on E392424E. Travel 0.7 miles from the intersection and turn right on E392518K travel for 0.1 miles to access Unit 6.

To access Unit 5 travel 0.3 miles further up E392424E from the intersection of E392424E and E392518K. To access Unit 4 travel 0.2 miles from the intersection of E392424E and E392518K on E392424E and Turn left on E392518G. Continue on E392518G for 2.1 miles. A second access to Unit 4 is 1.4 miles from the intersection of Toats Coulee road and Nine Mile road. Turn right on E392413G and travel 1.5 miles.

To access Unit 3 turn right onto Nine Mile road at the intersection of Toats Coulee road and Nine Mile road and travel 2.1 miles. A second access to Unit 3 is 0.4 miles further up Nine Mile road- turn right at E392412G and travel 0.1 miles.

The access to Unit 2 is 0.1 miles further up E392412G- take a left at the intersection of E392412G and E392412H and travel 0.27 miles and turn left at E392412P.

To access Unit 1 travel 0.84 miles further up Nine Mile road from the intersection of Nine Mile road and 392412G. Turn right at E392401F and travel 0.1 miles.

STATE OF WASHINGTON DEPARTMENT OF NATURAL RESOURCES

BILL OF SALE AND CONTRACT FOR FOREST PRODUCTS

Export Restricted Lump Sum AGREEMENT NO. 30-0104762

SALE NAME: Q JUPITER

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.

9/27/2023 1 of 27 Agreement No. 30-0104762

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 November 14, 2023 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 yellow paint, leave trees bounded by yellow leave tree area tags and two standing snags per acre in Units 1, 3, 4, 5 and 6 bounded by white timber sale boundary tags; All green conifer species except for leave trees banded with yellow paint and leave trees bounded by yellow leave tree area tags in Unit 2 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 approximately 219 acres on part(s) of Sections 6, 7, 18, and 19 all in Township 39 North, Range 25 East, Sections 1, 12, and 24 all in Township 39 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

9/27/2023 2 of 27 Agreement No. 30-0104762

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 30, 2025.

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.

9/27/2023 3 of 27 Agreement No. 30-0104762

- 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 \$285.00 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.

9/27/2023 4 of 27 Agreement No. 30-0104762

- 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,

9/27/2023 5 of 27 Agreement No. 30-0104762

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.

9/27/2023 6 of 27 Agreement No. 30-0104762

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-106 Adding Naturally Damaged Forest Products

Any forest products not designated for removal that are seriously damaged by disease, insects or wind, or that may contribute seriously to the spread of insect or disease damage may be added to this sale by the State's Contract Administrator. Additions must be in unlogged areas of the sale and added volume shall not exceed an amount equal to 10 percent of the original advertised volume. Added forest products become a part of this contract and shall be paid for at the rate set forth in clause G-101, G-102 or G-103.

G-111 Title and Risk of Loss

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

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

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

Purchaser shall have at least one person regularly on-site during active operations that have completed training according to the requirements outlined within the SFI Standard. Purchaser shall designate in writing the name(s) of the individual(s) who will

9/27/2023 7 of 27 Agreement No. 30-0104762

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

9/27/2023 8 of 27 Agreement No. 30-0104762

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.

9/27/2023 9 of 27 Agreement No. 30-0104762

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.

9/27/2023 10 of 27 Agreement No. 30-0104762

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.

9/27/2023 11 of 27 Agreement No. 30-0104762

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

9/27/2023 12 of 27 Agreement No. 30-0104762

- 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.

9/27/2023 13 of 27 Agreement No. 30-0104762

- 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; E392401E, E392401F, E392401FA, E392401N, E392412F, E392412G, E392412H, E392412P, E392413G, E392424E, E392518G, E392518K, E382407E, Ninemile (E392424A), Toats Coulee (E392425A)

9/27/2023 14 of 27 Agreement No. 30-0104762

and Portrait Ridge (E382418E). 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 350 pounds of grass seed to a location designated by the Contract Administrator. Seed provided shall meet the following specifications.

40% Mountain Brome, 30% Sherman Big Bluegrass, 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, reestablish 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 Toats Coulee (E392425A), Ninemile (E392424A) and E392424E roads, unless authority is granted in writing by the Contract Administrator.

G-380 Road Easement and Road Use Permit Requirements

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

Easement 53 with USFS dated March 17, 1989

9/27/2023 15 of 27 Agreement No. 30-0104762

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:

DATA MISSING

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 \$60,346.00. The total contract price consists of a \$0.00 contract bid price plus \$60,346.00 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.

9/27/2023 16 of 27 Agreement No. 30-0104762

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 \$68,600.00. 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

Falling and Yarding will not be permitted from March 15 to June 1 in Units 1, 3, 4, 5 and 6, additionally there will be no falling and yarding in Unit 2 from May 1 to August 1 unless authorized in writing by the Contract Administrator.

H-011 Certification of Fallers and Yarder Operators

All persons engaged in the felling and yarding of timber must receive certification in writing from the Contract Administrator. Certification may be revoked when the Contract Administrator determines that non-compliance of leave tree selection criteria or cut tree selection criteria is occurring, or excessive damage to leave trees or skid trails is occurring.

Excessive damage for leave trees is defined in clause H-012.

9/27/2023 17 of 27 Agreement No. 30-0104762

Excessive damage for reserve trees is defined in clause H-013.

Excessive skid trail damage is defined in clause H-015 or H-016.

When leave tree damage exceeds the limits set forth in clause H-012, Purchaser shall be subject to liquidated damages (clause D-040) When reserve tree damage exceeds the limits set forth in clause H-013, Purchaser shall be subject to liquidated damages (clause D-041).

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.

9/27/2023 18 of 27 Agreement No. 30-0104762

- 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-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.

9/27/2023 19 of 27 Agreement No. 30-0104762

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 the E392412P road from May 1 to August 1 and on the E392401E, E392401F, E392401FA, E392401N, E392412F, E392412G, E392412H, E392413G, E392424E, E392518G, E392518K, E382407E, Ninemile (E392424A), Toats Coulee (E392425A) and Portrait Ridge (E382418E) roads from March 15 to June 1 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 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 locations designated by the Contract Administrator to allow surface water to drain from roads.
- h. No operations associated with timber harvest, hauling, or road work will be permitted within a 1/2 mile of an active northern goshawk nest from March 1 to August 1 or later if young are still on the nest.

9/27/2023 20 of 27 Agreement No. 30-0104762

i. If the standing dead trees are removed, Purchaser shall leave two standing snags per acre from the larger diameter classes when safe to do so. Removal of standing dead trees is prohibited in Unit 2.

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, hauling or road work will be permitted from May 1 to August 1 in Unit 2 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 all units, all non-merchantable live stems excluding ponderosa pine, greater than 2 inches in diameter or 3 feet in height not banded with yellow 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 all 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 4/11/2023 are hereby made a part of this contract.

9/27/2023 21 of 27 Agreement No. 30-0104762

C-050 Purchaser Road Maintenance and Repair

Purchaser shall perform work at their own expense on E392401E, E392401F, E392401FA, E392401N, E392412F, E392412G, E392412H, E392412P, E392413G, E392424E, E392518G, E392518K, E382407E and Portrait Ridge (E382418E) 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 Toats Coulee (E392425A) and Ninemile (E392424A) roads. Purchaser shall furnish a statement in a form satisfactory to the State showing the costs incurred while performing this work. Costs shall be based on the rates set forth in the equipment rate schedule on file at the Region office or Engineering Division in Olympia. The State shall reimburse Purchaser for said costs within 30 days of receipt and approval of the statement.

C-080 Landing Locations Approved Prior to Construction

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

C-090 Landing Location

Landings shall be built 50 feet off the Ninemile (E392424A) road(s).

C-130 Dust Abatement

Purchaser shall abate dust on the E392401E, E392401F, E392401FA, E392401N, E392412F, E392412G, E392412H, E392412P, E392413G, E392424E, E392518G, E392518K, E382407E and Portrait Ridge (E382418E) 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.

9/27/2023 22 of 27 Agreement No. 30-0104762

S-010 Fire Hazardous Conditions

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

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

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

S-030 Landing Debris Clean Up

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

S-035 Logging Debris Clean Up

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

S-040 Noxious Weed Control

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

S-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-110 Resource Protection

No skidding or harvesting equipment may operate within Leave Tree Areas unless authority is granted in writing by the Contract Administrator.

S-120 Stream Protection

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

9/27/2023 23 of 27 Agreement No. 30-0104762

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

9/27/2023 24 of 27 Agreement No. 30-0104762

-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.

9/27/2023 25 of 27 Agreement No. 30-0104762

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	Patrick Ryan Northeast Region Manager				
Print Name	Northeast Region Manager				
Date:	Date:				

9/27/2023 26 of 27 Agreement No. 30-0104762

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

STATE OF _)		
COUNTY OF _)		
On this	day of		, 20	, before me personally
			to me	known to be the of the corporation
free and voluntary and on oath stated t	within and foregoing ins act and deed of the corp hat (he/she was) (they w EREOF, I have hereunto tten.	oration, for the urere) authorized to	ses and purp execute sa	poses therein mentioned id instrument.
•		Notary F	Public in and	I for the State of
		My appo	ointment exp	pires

9/27/2023 27 of 27 Agreement No. 30-0104762



WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

FOREST EXCISE TAX ROAD SUMMARY SHEET

Region: Northeast

Timber Sale Name: Q JUPITER

Application Number: 30- 104762

EXCISE TAX APPLICABLE ACTIVITIES

Construction: 1,150 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: 2,483 linear feet

Abandonment of existing roads not reconstructed under the contract

Decommission: 6,000 linear feet

Road to be made undriveable but not officially abandoned.

Pre-Haul Maintenance: 34,172 linear feet

Existing road to receive maintenance work (optional and required) prior to haul

EXCISE TAX EXEMPT ACTIVITIES

Temporary Construction: 471 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 contact. 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)

Timber Sale Cruise Report Jupiter

Sale Name: Q JUPITER Sale Type: LUMP SUM

Region: NORTHEAST, NORTHEAST District: HIGHLANDS, HIGHLANDS

Lead Cruiser: Jake Culp

Other Cruisers: Hailey Howard

Cruise Narrative:

Location:

Legal - Sections 1, 12, and 24 of T39N R24E. Sections 6, 7, 18, 19 of T39N R25E.

General – Approx. 7 miles NW of Loomis, WA in Okanogan County.

Access - All units are accessed from Ninemile Rd. via Toats Coulee Rd.

Cruise Design:

- -This sale was cruised using variable radius plots, utilizing the cruise-count method. Plot locations found using a Garmin handheld GPS unit. 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 yellow paint. Leave all trees within tagged and flagged "Leave Tree Areas".

Cruise Acres determination:

Net harvest unit acreages are used for cruise acreages.

Stand composition:

The stands are mostly second growth, even aged Douglas-fir with minor components of Engelmann spruce and lodgepole pine. Large residual trees are found within the sale area.

Timber quality:

Timber to be harvested is comprised of domestic quality Douglas-fir (87%), Engelmann spruce (7%), lodgepole pine (6%), subalpine fir (1%), 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. Dwarf mistletoe was observed in minor amounts throughout the sale.

Aspect:

West, Southwest

Elevation:

4200'-5600'

Harvesting methods:

100% ground based.

Slope:

Unit 1- Max 40%, Avg. 22%

Unit 2- Max 45%, Avg. 15%

Unit 3- Max 30%, Avg. 11%

Unit 4- Max 57%, Avg. 18%

Unit 5- Max 32%, Avg. 17%

Unit 6- Max 30%, Avg. 10%

Other considerations/remarks:

Some areas have heavy amounts of blowdown and there are some areas with lots of rocks.

Trust:

This sale is 100% Trust #3.

Timber Sale Notice Volume (MBF)

				MBF Volume by Grade							
Sp	DBH	Rings/In	Age	All	2 Saw	3 Saw	4 Saw				
DF	12.4			2,009	301	1,310	398				
ES	13.4			154	42	86	26				
LP	9.1			141		69	72				
AF	7.7			13			13				
WL	9.3			3			3				
ALL	12.1			2,321	343	1,464	513				

Timber Sale Notice Weight (tons)

	Tons by Grade										
Sp	All	2 Saw	3 Saw	4 Saw							
DF	13,797	1,711	9,257	2,830							
ES	997	242	563	192							
LP	826		403	423							
AF	80			80							
WL	24			24							
ALL	15,723	1,952	10,222	3,548							

Timber Sale Overall Cruise Statistics

BA (sq ft/acre)			V-BAR SE (%)		
93.6	4.9	112.6	3.6	10,578	6.1

Timber Sale Unit Cruise Design

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
JUPITER U1	B1C: VR, 1 BAF (33.61) Measure/ Count Plots, Sighting Ht = 4.5 ft	49.4	50.0	33	9	3
JUPITER U2	B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	10.5	11.8	14	7	1
JUPITER U3	B1C: VR, 1 BAF (25.15) Measure/ Count Plots, Sighting Ht = 4.5 ft	34.2	34.4	26	10	1
JUPITER U4	B1C: VR, 1 BAF (33.61) Measure/ Count Plots, Sighting Ht = 4.5 ft	38.4	44.7	30	11	1
JUPITER U5	B1C: VR, 1 BAF (33.61) Measure/ Count Plots, Sighting Ht = 4.5 ft	37.3	37.6	31	9	1
JUPITER U6	B1C: VR, 1 BAF (33.61) Measure/ Count Plots, Sighting Ht = 4.5 ft	48.7	49.0	32	10	2
JUPITER ROW	ST: Strip/Percent Sample (1 tree expansion)	0.9	0.9	1	1	0
All		219.4	228.4	167	57	9

Timber Sale Log Grade x Sort Summary

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
AF	LIVE	4 SAW	Domestic	5.0	30	60	60	0.0	79.8	13.2
DF	LIVE	2 SAW	Domestic	13.5	32	1,376	1,371	0.3	1,710.5	300.8
DF	LIVE	3 SAW	Domestic	7.8	32	6,053	5,969	1.4	9,256.9	1,309.5
DF	LIVE	4 SAW	Domestic	5.2	22	1,837	1,816	1.1	2,829.5	398.5
DF	LIVE	CULL	Cull	5.6	32	30	0	100.0	0.0	0.0
ES	LIVE	2 SAW	Domestic	13.2	32	193	193	0.0	241.9	42.4
ES	LIVE	3 SAW	Domestic	8.3	32	392	392	0.0	562.7	85.9
ES	LIVE	4 SAW	Domestic	5.2	24	118	118	0.0	192.2	26.0
LP	LIVE	3 SAW	Domestic	6.1	32	317	315	0.6	402.6	69.0
LP	LIVE	4 SAW	Domestic	5.2	24	334	328	1.8	423.1	72.0
WL	LIVE	4 SAW	Domestic	5.2	32	15	15	0.0	23.8	3.4

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	5.0	30	60	0.0	79.8	13.2
DF	5 - 8	LIVE	Cull	5.6	32	0	100.0	0.0	0.0
DF	5 - 8	LIVE	Domestic	5.8	26	4,773	1.1	7,640.7	1,047.1
DF	9 - 11	LIVE	Domestic	9.6	32	3,075	1.6	4,522.8	674.6
DF	12 - 14	LIVE	Domestic	12.4	32	546	0.8	729.2	119.8

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
DF	15 - 19	LIVE	Domestic	15.5	32	762	0.0	904.3	167.3
ES	5 - 8	LIVE	Domestic	6.2	27	328	0.0	520.9	72.0
ES	9 - 11	LIVE	Domestic	9.3	32	182	0.0	234.0	39.9
ES	12 - 14	LIVE	Domestic	13.2	32	193	0.0	241.9	42.4
LP	5 - 8	LIVE	Domestic	5.4	27	643	1.2	825.7	141.0
WL	5 - 8	LIVE	Domestic	5.2	32	15	0.0	23.8	3.4

Unit Sale Notice Volume (MBF): JUPITER U1

				MBF Volume by Grade						
Sp	DBH	Rings/In	Age	All	2 Saw	3 Saw	4 Saw			
DF	12.7			545	124	314	107			
LP	9.6			57		45	12			
ALL	12.4			602	124	359	119			

Unit Cruise Design: JUPITER U1

Design	Cruise	FMA	N	N Cruise	N Void
	Acres	Acres	Plots	Plots	Plots
B1C: VR, 1 BAF (33.61) Measure/Count Plots, Sighting Ht = 4.5 ft	49.4	50.0	33	9	3

Unit Cruise Summary: JUPITER U1

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	14	91	2.8	0
LP	1	9	0.3	0
ALL	15	100	3.0	0

Unit Cruise Statistics: JUPITER U1

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)		V-BAR CV (%)		Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	92.7	82.6	14.4	119.0	37.5	10.0	11,033	90.7	17.5
LP	9.2	402.4	70.1	125.3	0.0	0.0	1,149	402.4	70.1
ALL	101.8	74.5	13.0	119.6	36.0	9.3	12,182	82.7	16.0

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	ВА	RD	MBF Net
DF	LIVE	CUT	14	ALL	12.7	52	64	11,156	11,033	1.1	105.4	92.7	26.0	545.0
LP	LIVE	CUT	1	ALL	9.6	68	86	1,149	1,149	0.0	18.2	9.2	3.0	56.8
ALL	LIVE	CUT	15	ALL	12.3	54	67	12,305	12,182	1.0	123.6	101.8	29.0	601.8
ALL	ALL	ALL	15	ALL	12.3	54	67	12,305	12,182	1.0	123.6	101.8	29.0	601.8

Unit Sale Notice Volume (MBF): JUPITER U2

				MBF Volume by Grade					
Sp	DBH	Rings/In	Age	All	2 Saw	3 Saw	4 Saw		
LP	8.3			57		24	33		
DF	11.3			28	4	12	11		
ALL	8.8			85	4	36	44		

Unit Cruise Design: JUPITER U2

Design	Cruise	FMA	N	N Cruise	N Void
	Acres	Acres	Plots	Plots	Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	10.5	11.8	14	7	1

Unit Cruise Summary: JUPITER U2

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
LP	15	34	2.4	0
DF	5	18	1.3	0
ALL	20	52	3.7	0

Unit Cruise Statistics: JUPITER U2

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)		Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
LP	48.6	92.4	24.7	111.3	22.6	5.8	5,407	95.1	25.4
DF	25.7	165.5	44.2	103.8	22.1	9.9	2,669	167.0	45.3
ALL	74.3	46.5	12.4	108.7	22.3	5.0	8,076	51.6	13.4

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	5	ALL	11.3	52	63	2,767	2,669	3.5	36.9	25.7	7.6	28.0
LP	LIVE	CUT	15	ALL	8.3	52	63	5,571	5,407	2.9	129.3	48.6	16.9	56.8
ALL	LIVE	CUT	20	ALL	9.1	52	63	8,337	8,076	3.1	166.2	74.3	24.5	84.8
ALL	ALL	ALL	20	ALL	9.1	52	63	8,337	8,076	3.1	166.2	74.3	24.5	84.8

Unit Sale Notice Volume (MBF): JUPITER U3

				MBF Volume by Grade						
Sp	DBH	Rings/In	Age	All	2 Saw	3 Saw	4 Saw			
DF	11.2			241	56	145	41			
LP	8.9			20			20			
ALL	11.1			261	56	145	60			

Unit Cruise Design: JUPITER U3

Design	Cruise	FMA	N	N Cruise	N Void
	Acres	Acres	Plots	Plots	Plots
B1C: VR, 1 BAF (25.15) Measure/Count Plots, Sighting Ht = 4.5 ft	34.2	34.4	26	10	1

Unit Cruise Summary: JUPITER U3

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	19	70	2.7	0
LP	1	6	0.2	0
ALL	20	76	2.9	0

Unit Cruise Statistics: JUPITER U3

Sp	BA (sq ft/acre)				V-BAR CV (%)			Vol CV (%)	Vol SE (%)
DF	67.7	67.9	13.3	104.1	40.5	9.3	7,048	79.0	16.2
LP	5.8	282.4	55.4	99.5	0.0	0.0	578	282.4	55.4
ALL	73.5	65.6	12.9	103.7	39.5	8.8	7,626	76.6	15.6

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	19	ALL	10.8	50	62	7,091	7,048	0.6	106.4	67.7	20.6	241.1
LP	LIVE	CUT	1	ALL	8.9	65	81	578	578	0.0	13.4	5.8	1.9	19.8
ALL	LIVE	CUT	20	ALL	10.6	52	64	7,668	7,626	0.5	119.8	73.5	22.5	260.8
ALL	ALL	ALL	20	ALL	10.6	52	64	7,668	7,626	0.5	119.8	73.5	22.5	260.8

Unit Sale Notice Volume (MBF): JUPITER U4

				MBF Volume by Grade							
Sp	DBH	Rings/In	Age	All	2 Saw	3 Saw	4 Saw				
DF	12.7			260	62	147	50				
ES	13.4			154	42	86	26				
AF	7.7			13			13				
LP	11.8			8			8				
WL	9.3			3			3				
ALL	12.3			438	105	233	100				

Unit Cruise Design: JUPITER U4

Design	Cruise	FMA	N	N Cruise	N Void
	Acres	Acres	Plots	Plots	Plots
B1C: VR, 1 BAF (33.61) Measure/Count Plots, Sighting Ht = 4.5 ft	38.4	44.7	30	11	1

Unit Cruise Summary: JUPITER U4

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	22	60	2.0	0
ES	7	29	1.0	0
AF	1	3	0.1	0
LP	1	4	0.1	0
WL	1	1	0.0	0
ALL	32	97	3.2	0

Unit Cruise Statistics: JUPITER 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	67.2	84.1	15.4	100.6	47.7	10.2	6,761	96.7	18.4
ES	32.5	123.0	22.4	123.7	36.2	13.7	4,018	128.2	26.3
AF	3.4	547.7	100.0	102.1	0.0	0.0	343	547.7	100.0
LP	4.5	325.6	59.5	43.5	0.0	0.0	195	325.6	59.5
WL	1.1	547.7	100.0	78.4	0.0	0.0	88	547.7	100.0
ALL	108.7	52.4	9.6	104.9	44.5	7.9	11,405	68.8	12.4

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	ВА	RD	MBF Net
AF	LIVE	CUT	1	ALL	7.7	78	98	343	343	0.0	10.4	3.4	1.2	13.2
DF	LIVE	CUT	22	ALL	12.7	52	64	7,062	6,761	4.3	76.4	67.2	18.9	259.6
ES	LIVE	CUT	7	ALL	13.4	55	69	4,018	4,018	0.0	33.2	32.5	8.9	154.3
LP	LIVE	CUT	1	ALL	11.8	38	45	195	195	0.0	5.9	4.5	1.3	7.5
WL	LIVE	CUT	1	ALL	9.3	45	54	88	88	0.0	2.4	1.1	0.4	3.4
ALL	LIVE	CUT	32	ALL	12.5	54	67	11,706	11,405	2.6	128.3	108.7	30.6	437.9
ALL	ALL	ALL	32	ALL	12.5	54	67	11,706	11,405	2.6	128.3	108.7	30.6	437.9

Unit Sale Notice Volume (MBF): JUPITER U5

				MBF Volume by Grade						
Sp	DBH	Rings/In	Age	All	2 Saw	3 Saw	4 Saw			
DF	12.5			403	21	295	87			
ALL	12.5			403	21	295	87			

Unit Cruise Design: JUPITER U5

Design	Cruise	FMA	N	N Cruise	N Void
	Acres	Acres	Plots	Plots	Plots
B1C: VR, 1 BAF (33.61) Measure/Count Plots, Sighting Ht = 4.5 ft	37.3	37.6	31	9	1

Unit Cruise Summary: JUPITER U5

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	19	86	2.8	0
ALL	19	86	2.8	0

Unit Cruise Statistics: JUPITER U5

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)		V-BAR CV (%)		Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	93.2	49.9	9.0	116.0	20.6	4.7	10,815	54.0	10.1
ALL	93.2	49.9	9.0	116.0	20.6	4.7	10,815	54.0	10.1

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	19	ALL	12.5	63	79	10,996	10,815	1.6	109.4	93.2	26.4	403.4
ALL	LIVE	CUT	19	ALL	12.5	63	79	10,996	10,815	1.6	109.4	93.2	26.4	403.4
ALL	ALL	ALL	19	ALL	12.5	63	79	10,996	10,815	1.6	109.4	93.2	26.4	403.4

Unit Sale Notice Volume (MBF): JUPITER U6

				MBF Volume by Grade						
Sp	DBH	Rings/In	Age	All	2 Saw	3 Saw	4 Saw			
DF	12.5			532	34	396	102			
ALL	12.5			532	34	396	102			

Unit Cruise Design: JUPITER U6

Design	Cruise	FMA	N	N Cruise	N Void
	Acres	Acres	Plots	Plots	Plots
B1C: VR, 1 BAF (33.61) Measure/Count Plots, Sighting Ht = 4.5 ft	48.7	49.0	32	10	2

Unit Cruise Summary: JUPITER U6

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	18	89	2.8	0
ALL	18	89	2.8	0

Unit Cruise Statistics: JUPITER U6

Sp	BA (sq ft/acre)	BA CV (%)			V-BAR CV (%)		Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	93.5	55.4	9.8	116.8	35.9	8.5	10,918	66.0	12.9
ALL	93.5	55.4	9.8	116.8	35.9	8.5	10,918	66.0	12.9

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	18	ALL	12.5	55	67	10,996	10,918	0.7	109.7	93.5	26.4	531.7
ALL	LIVE	CUT	18	ALL	12.5	55	67	10,996	10,918	0.7	109.7	93.5	26.4	531.7
ALL	ALL	ALL	18	ALL	12.5	55	67	10,996	10,918	0.7	109.7	93.5	26.4	531.7

Unit Sale Notice Volume (MBF): JUPITER ROW

				MBF Volume by Grade					
Sp	DBH	Rings/In	Age	All	3 Saw	4 Saw			
LP	8.7			0	0	0			
WL	7.5			0		0			
ALL	8.6			0	0	0			

Unit Cruise Design: JUPITER ROW

Design	Cruise	FMA	N	N Cruise	N Void
	Acres	Acres	Plots	Plots	Plots
ST: Strip/Percent Sample (1 tree expansion)	0.9	0.8	1	1	0

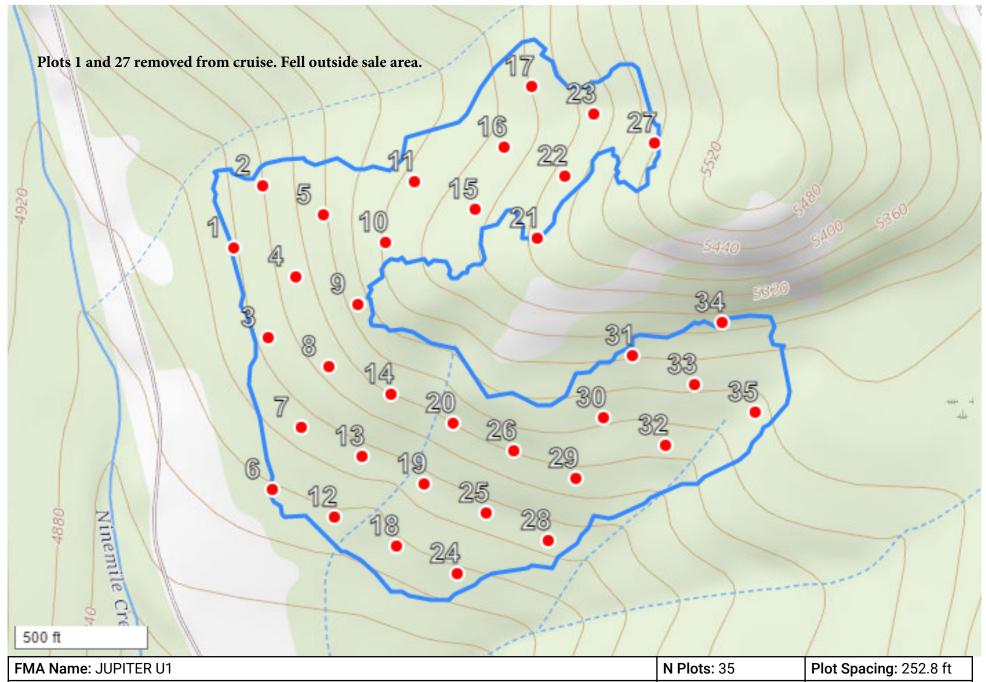
Unit Cruise Summary: JUPITER ROW

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
LP	7	7	7.0	0
WL	1	1	1.0	0
ALL	8	8	8.0	0

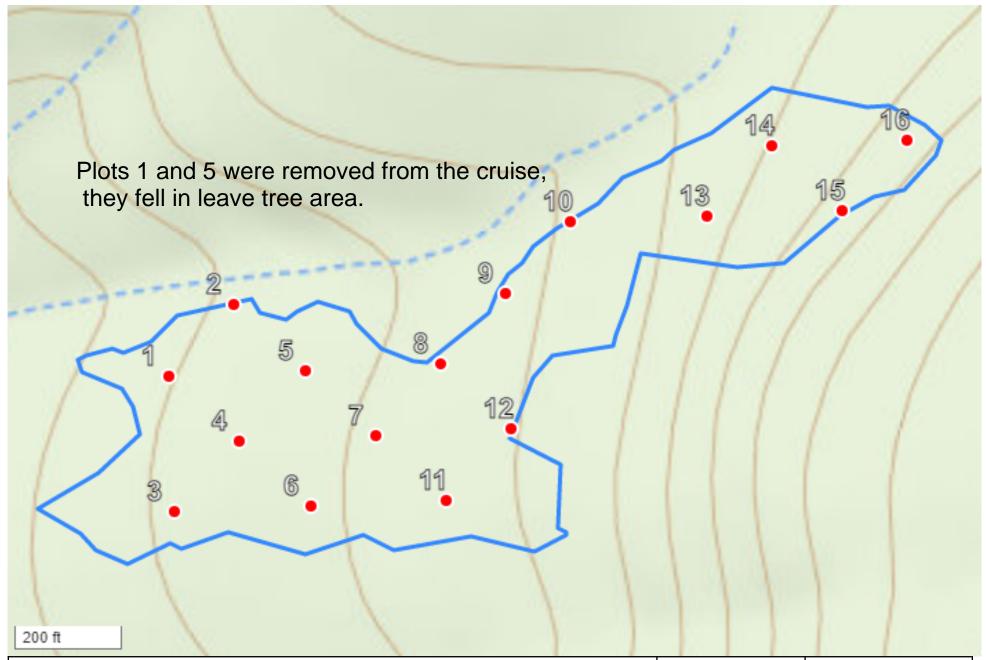
Unit Cruise Statistics: JUPITER ROW

Sp	BA (sq ft/acre)				V-BAR CV (%)		Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
LP	3.2	0.0	0.0	83.9	36.6	13.8	271	36.6	13.8
WL	0.3	0.0	0.0	42.4	0.0	0.0	14	0.0	0.0
ALL	3.6	0.0	0.0	79.9	39.1	13.8	285	39.1	13.8

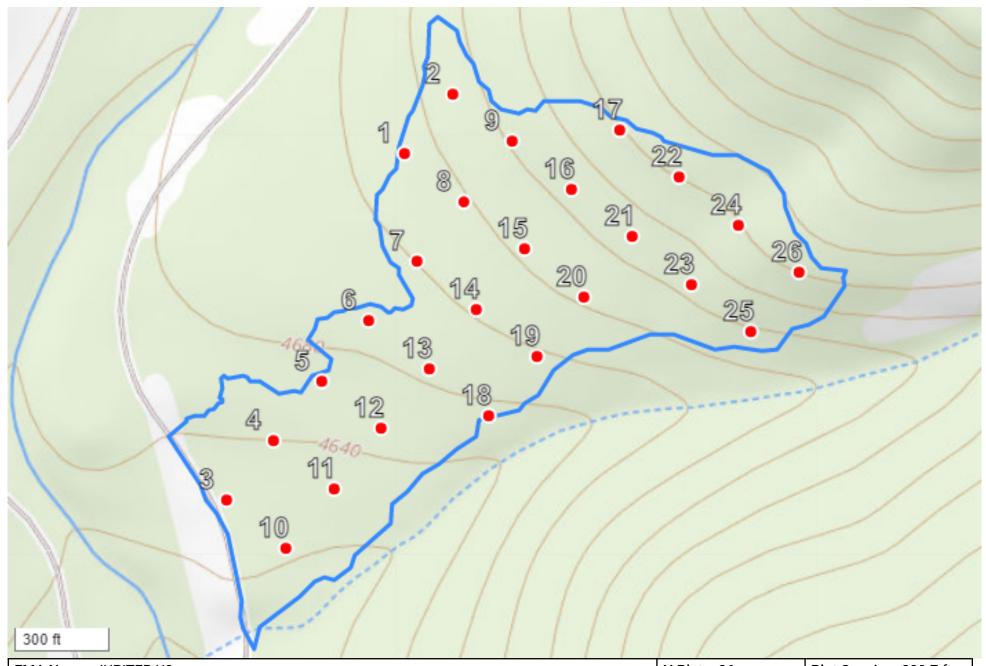
Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
LP	LIVE	CUT	7	ALL	8.7	43	52	290	271	6.5	7.8	3.2	1.1	0.2
WL	LIVE	CUT	1	ALL	7.5	39	47	14	14	0.0	1.1	0.3	0.1	0.0
ALL	LIVE	CUT	8	ALL	8.6	42	51	304	285	6.2	8.9	3.6	1.2	0.3
ALL	ALL	ALL	8	ALL	8.6	42	51	304	285	6.2	8.9	3.6	1.2	0.3



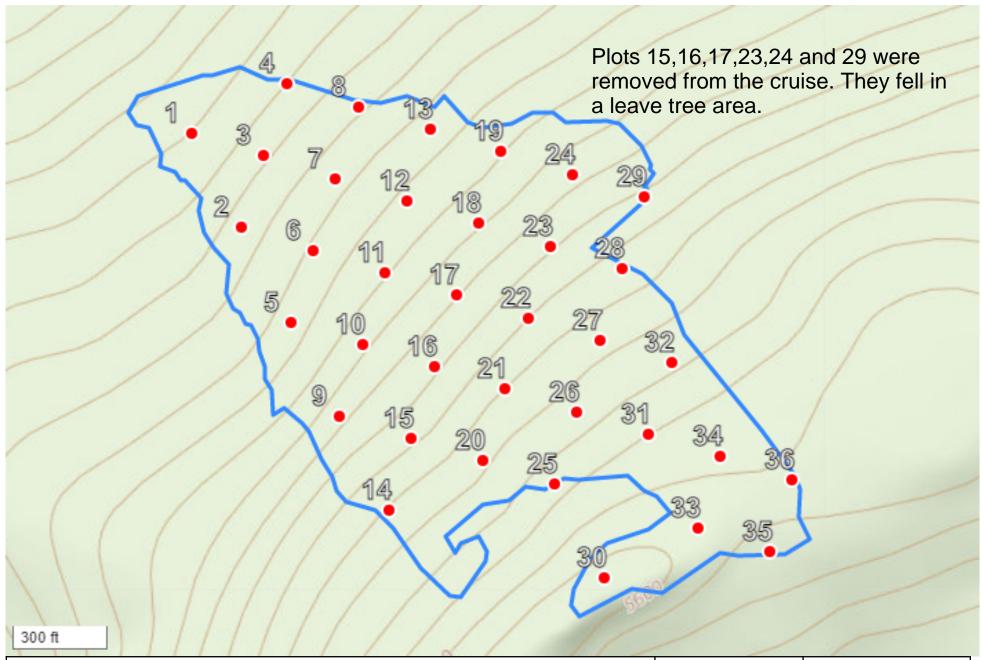
FMA Name: JUPITER U1	N Plots: 35	Plot Spacing: 252.8 ft
Grid Name: JUPITER U1 - 2	Acres Treated: 50.01	Main Azimuth: 24.6 deg



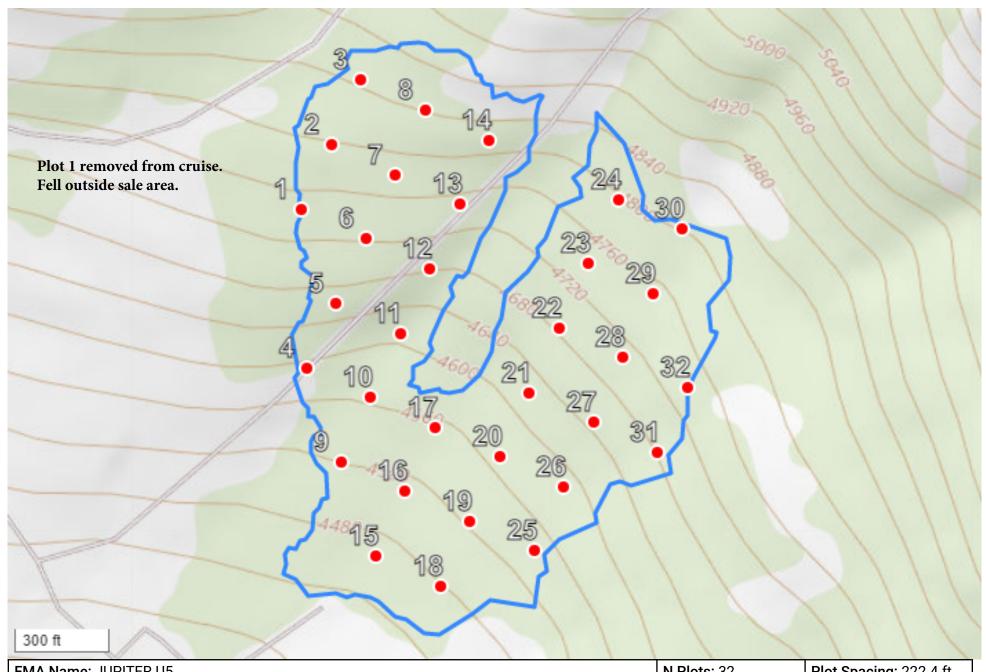
FMA Name: JUPITER U2	N Plots: 16	Plot Spacing: 179.3 ft
Grid Name: JUPITER U2 - 4	Acres Treated: 11.84	Main Azimuth: 42.5 deg



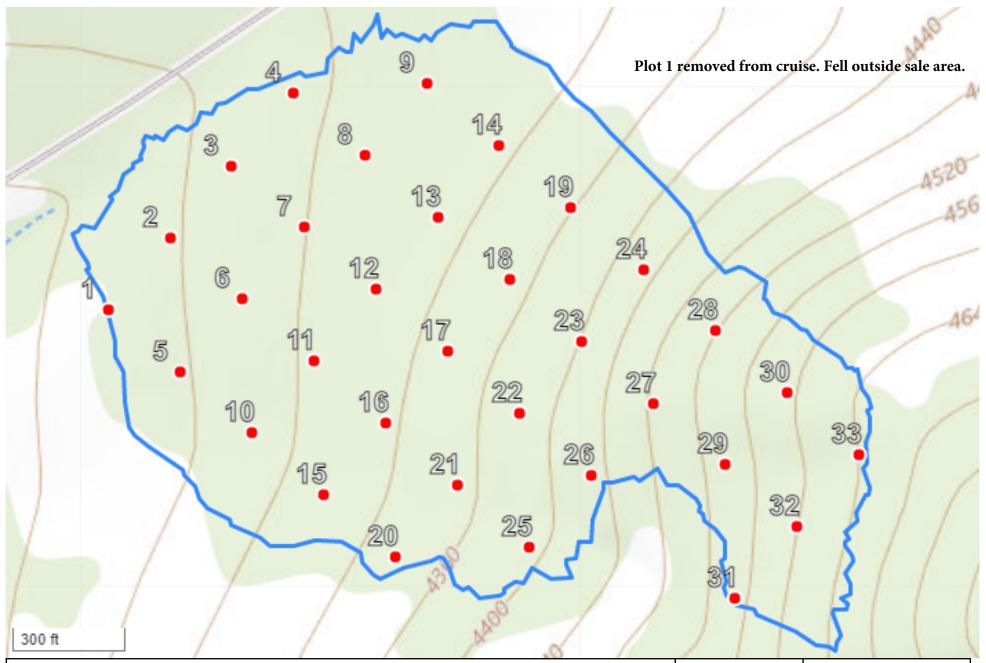
FMA Name: JUPITER U3	N Plots: 26	Plot Spacing: 239.7 ft
Grid Name: JUPITER U3 - 3	Acres Treated: 34.39	Main Azimuth: 38.5 deg



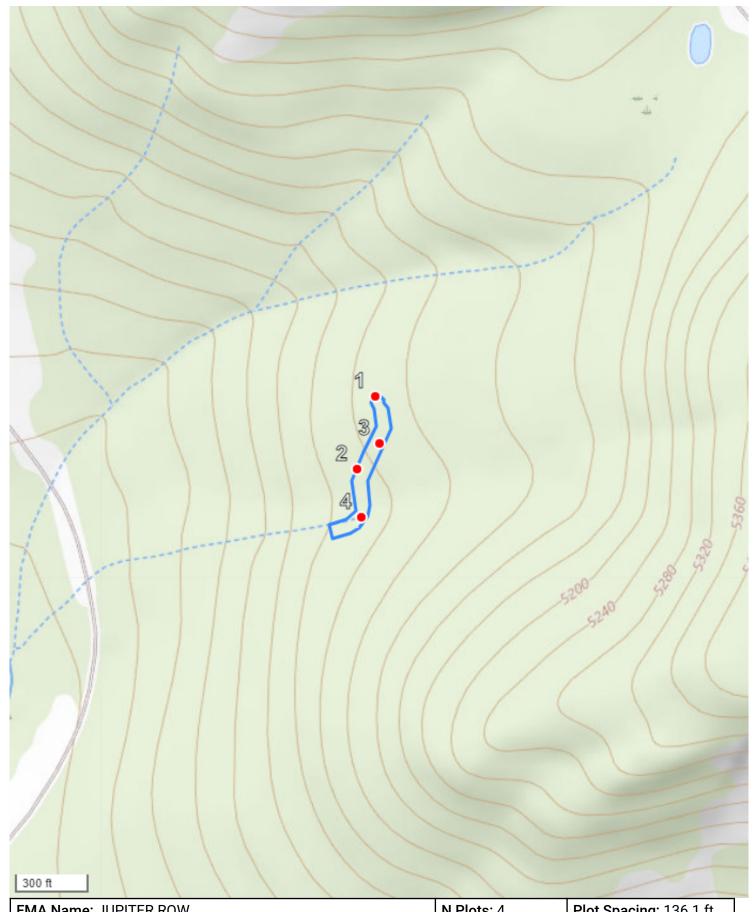
FMA Name: JUPITER U4	N Plots: 36	Plot Spacing: 235.6 ft
Grid Name: JUPITER U4 - 3	Acres Treated: 44.72	Main Azimuth: 17.4 deg



FMA Name: JUPITER U5	N Plots: 32	Plot Spacing: 222.4 ft
Grid Name: JUPITER U5 - 3	Acres Treated: 37.58	Main Azimuth: 24.8 deg



FMA Name: JUPITER U6	N Plots: 33	Plot Spacing: 250.2 ft
Grid Name: JUPITER U6 - 2	Acres Treated: 49	Main Azimuth: 40.7 deg



FMA Name: JUPITER ROW	N Plots: 4	Plot Spacing: 136.1 ft
Grid Name: JUPITER ROW - 1	Acres Treated: 0.9	Main Azimuth: 39.9 deg

PRE-CRUISE NARRATIVE

Sale Name: Q Jupiter	Region: Northeast
Agreement #: 30-104762	District: Highlands
Contact Forester: John Lassila Phone / Location: 509-640-8917	County(s): Okanogan
Alternate Contact: Matt Smith Phone / Location: 509-995-7968	Other information: Click here to enter text.

Type of Sale: Lump Sum	
Harvest System: Ground based tracked and rubber tired skidder, feller-buncher	100% of sale acres is ground based
Harvest System: Click here to enter text.	Click here to enter percent 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:

11-24-44	Legal		sal	Ded		rom Grovest acr	es)	cres	Acreage Determinati
Unit # Harvest R/W or RMZ WMZ	Description (Enter only one legal for each unit) Sec/Twp/Rng	Grant or Trust	Gross Proposal Acres	RMZ/ WMZ Acres	Leave Tree Acres	Existing Road Acres	Other Acres (describe)	Net Harvest Acres	on (List method and error of closure if applicable)
1	T39 R24E S1		50	0	0	.65	0	49	GPS (Garmin)
2	T39 R25E S12		12	0	1.3	0	0	11	GPS (Garmin)
3	T39 R24E S12		34	0	0	.15	0	34	GPS (Garmin)
4	T39 R25E S7		45	0	5.2	1.1	0	40	GPS (Garmin)
5	T39 R25E S1		37	0	0	.30	0	37	GPS (Garmin)
6	T39 R25E S19		48	0	0	.30	0	48	GPS (Garmin)
ROW	T39 R24E S12		1	0	0	0	0	1	GPS (Garmin)
TOTAL ACRES			227	0	6.3	2.5	0	220	

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit#	Harvest Prescription:	Special Management	Other conditions (#
	(Leave, take, paint color, tags, flagging etc.)	areas:	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 of 13 leave trees will be left per acre. This sale complies with Loomis Landscape Plan.
2	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging, leave trees painted in blue. Leave tree areas are marked in yellow tags and pink flagging. Leave 2 of the largest snags per acre.		Minimum of 13 leave trees will be left per acre. This sale complies with Loomis Landscape Plan.
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 snag per acre.		Minimum of 13 leave trees will be left per acre. This sale complies with Loomis Landscape Plan.
4	Boundaries marked with white "Timber Sale Boundary" tags, orange flashers, and pink flagging, leave trees painted in blue. Leave tree areas are marked in yellow tags and pink flagging. Leave 2 of the largest snags per acre.		Minimum of 13 leave trees will be left per acre. This sale complies with Loomis Landscape Plan. Old blue paint was covered with black paint.
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 of 13 leave trees will be left per acre. This sale complies with Loomis Landscape Plan.
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 of 13 leave trees will be left per acre. This sale complies with Loomis Landscape Plan.

OTHER PRE-CRUISE INFORMATION:

Unit#	Primary,secondary Species / Estimated Volume (MBF)	Access information (Gates, locks, etc.)	Photos, traverse maps required
1	DF/LP - 500 MBF	Accessed from the E392401F road off of Ninemile road.	region provided maps
	LD/DE 400 MDE	Accessed from the E392412H road off of Ninemile road. Behind gate- use Best key. The hike-in point is approximately .5 miles from Ninemile road. The hike is	
2	LP/DF- 100 MBF	approximately 700 feet.	region provided maps

		Accessed from the E392412H road off	
3	DF/SAF-330 MBF	of Ninemile road.	region provided maps
		Accessed from E392518G off Ninemile	
		road. Use DNR best key and drive 2.4	
		miles and then can hike to the	
4	LP/ES- 600 MBF	unit.	region provided maps
		Accessed from E392518G off Ninemile	region provided
5	DF/- 350 MBF	road.	maps
			region provided
6	DF/ES- 600 MBF	Accessed from E392424E	maps
TOTAL	2480 MBF		
MBF	Z400 IVIDE		

REMARKS:

Date:

03/10/2023

Prepared By: John Lassila	Title: Forester	CC:

WASHINGTON	
OF MATURAL &	

Forest Practices Application/Notification Notice of Decision

FPA/N No:	3026329		
Effective Date:	7/17/23		
Expiration Date:	7/17/26		
Shut Down Zone	20 0 N 2 9 1- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
EARR Tax Credit:		□ Non-eligible	
Reference:	Q Jupiter		
			_

					1,12,24-39-24 0,7,1	0,10-00-2
Decision						
☐ Notificati	on Accepted	Operations sha	all not begin before t	ore the effective date.		
Approve Approve	d	This Forest Pra	actices Application is	s subject to the co	nditions listed below.	
□ Disappro	ved	This Forest Pra	actices Application is	s disapproved for	the reasons listed below.	
☐ Withdraw	vn	Applicant has v	withdrawn the Fores	t Practices Applic	ation/Notification (FPA/N).	3
□ Closed			ces obligations are			
FPA/N Clas	sification			Number of Y	ears Granted on Multi-Y	ear Reques
☐ Class II	⊠ Class III	☐ Class IVG	☐ Class IVS	☐ 4 years	☐ 5 years	
Conditions	on Approval/F	Reasons for Disa	approval			
Approved wit	th no conditions	S.				* 54
						-2
Issued By:	Kyle Buckmille	er		Region: Nort	neast	
Title:	Forest Practic	es Forester		Date: 07/17/2	2023	
Copies to:		indowner, Timbe	er Owner and Oper	ator		
Issued in pe	erson: 🗵 LC	D ⊠ TO □ OP	By: Ragene Chris	stensen	Date: 07/	17/2023

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	DNR Northeast Region 221 S. Silke Road Colville, WA 99114

Information regarding the Pollution Control Hearings Board can be found at: http://www.eluho.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.

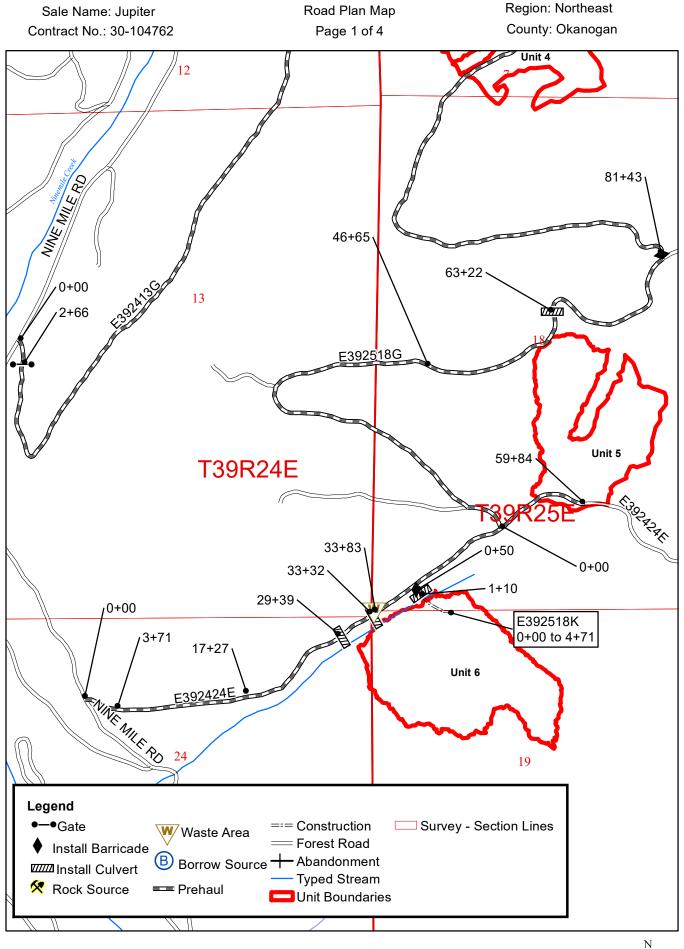
Before the sale or transfer of land or perpetual timber rights subject to continuing forest and obligations, the seller must notify the buyer of such an obligation on a form titled "Notice of Continuing Forest Land Obligation". The seller and buyer must both sign the "Notice of Continuing Forest Land 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.

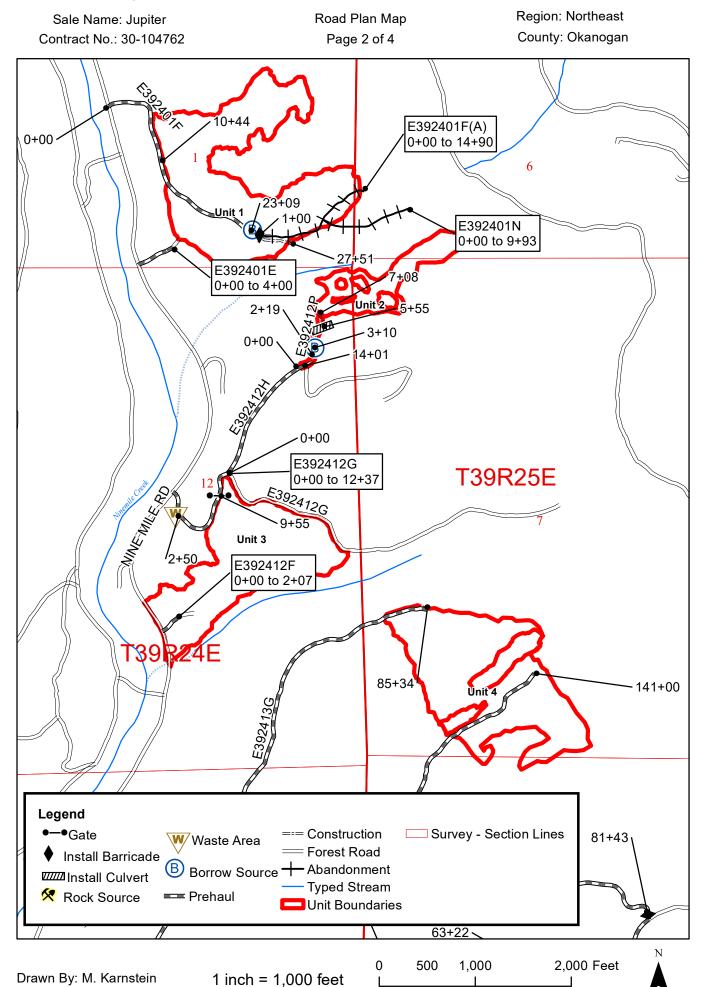
Failure by the seller to send the required notice to DNR at the time of sale will be prima facie evidence in an action by the buyer against the seller for costs related to the continuing forestland obligation prior to sale.

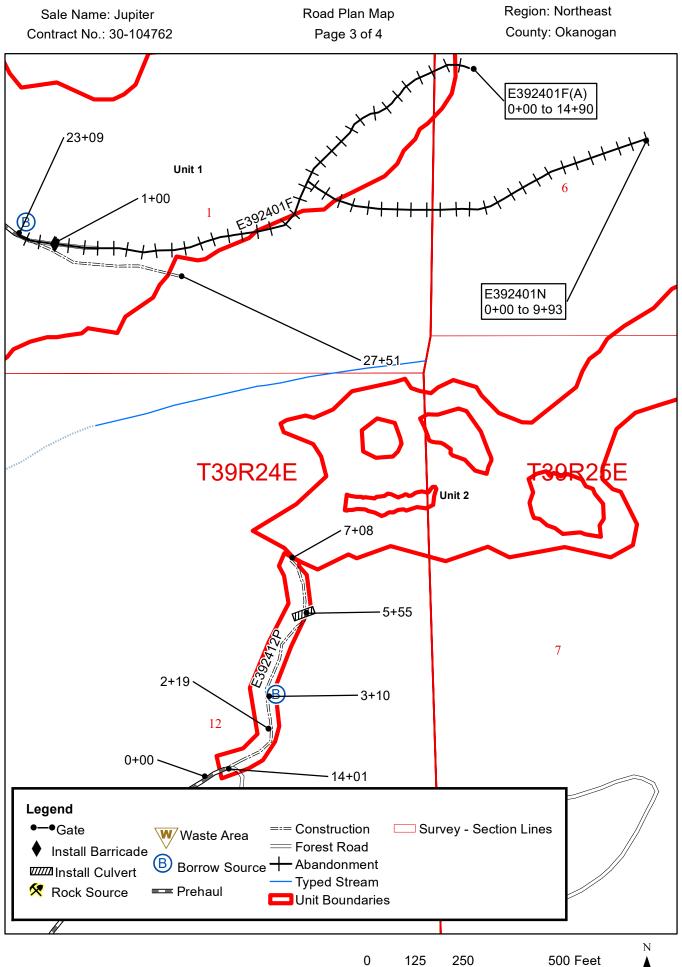
DNR Declaration of Mailing

I, mail at Colville, foregoing is true	, caused the Notice of Decision for FPA/N N WA, postage paid. I declare under penalty of perjury e and correct.	No. 3026329 to be placed in the United States of the laws of the State of Washington, that the
	Colville, Washington	
(Date)	(City & State where signed)	(Signature)



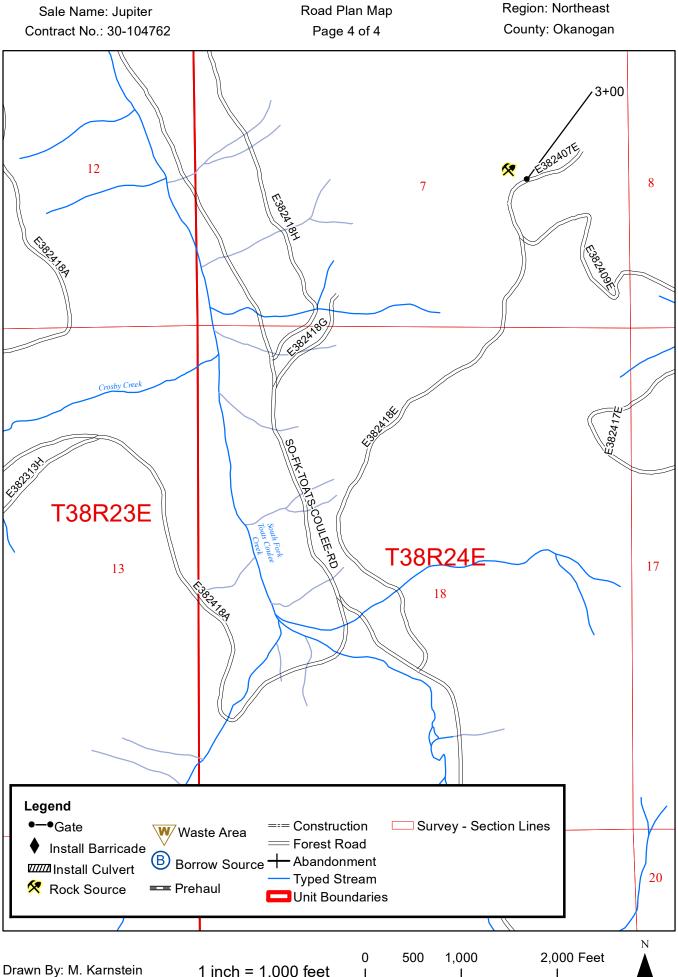
0 500 1,000 2,000 Feet





1 inch = 250 feet

Drawn By: M. Karnstein



1 inch = 1,000 feet

STATE OF WASHINGTON DEPARTMENT OF NATURAL RESOURCES

JUPITER TIMBER SALE ROAD PLAN OKANOGAN COUNTY HIGHLANDS DISTRICT NORTHEAST REGION

AGREEMENT NO.: 30-104762 STAFF ENGINEER: MACKENZIE KARNSTEIN

DATE: 04-11-2023 DRAWN & COMPILED BY: MACKENZIE KARNSTEIN

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>
E392401E	4.00	Pre-Haul Maintenance
E392401F	23.09	Pre-Haul Maintenance
E392401F	4.42	Construction
E392401F(A)	14.90	Abandonment
E392401N	9.93	Abandonment
E392412F	2.07	Pre-Haul Maintenance
E392412G	12.37	Pre-Haul Maintenance
E392412H	14.01	Pre-Haul Maintenance
E392412P	7.08	Construction
E392413G	85.34	Pre-Haul Maintenance
E392424E	59.84	Pre-Haul Maintenance
E392518G	141.00	Pre-Haul Maintenance
E392518G	60.00	Decommissioning
E392518K	4.71	Construction
E392518K	4.71	Abandonment

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. See sections 3, 4, and 5.

Road	<u>Stations</u>	<u>Requirements</u>
E392401F	23+09 to 27+51	Grading, brushing, grubbing
E392412P	0+00 to 7+08	Grading, brushing, grubbing, culvert installation, rolling dip installation
E392518K	0+00 to 4+71	Grading, brushing, grubbing, culvert installation

Construction requirements are further described in 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.

Road	<u>Stations</u>	<u>Requirements</u>
E392401E	0+00 to 4+00	Grading, brushing, grubbing
E392401F	0+00 to 23+09	Grading, brushing, grubbing, reconstruct vertical
		curve
E392412F	0+00 to 2+07	Grading, brushing, grubbing
E392412G	0+00 to 12+37	Grading, brushing
E392412H	0+00 to 14+01	Grading, brushing
E392413G	0+00 to 85+34	Grading
E392424E	0+00 to 59+84	Grading, ditch cleaning, culvert installation,
		cleaning culverts, applying rock
E392518G	0+00 to 141+00	Grading, rock application, culvert installation

Pre-haul maintenance requirements are further described in sections 3, 4, and 5.

0-7 POST-HAUL MAINTENANCE

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

0-9 DECOMMISSIONING

This project includes decommissioning listed in Clause 9-21ROAD.

0-10 ABANDONMENT

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

1-1 ROAD PLAN CHANGES

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

1-2 UNFORESEEN CONDITIONS

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

1-3 ROAD DIMENSIONS

Purchaser shall perform road work in accordance with the dimensions shown on the TYPICAL SECTION SHEET and the specifications within this road plan, unless controlled by construction stakes or design data (plan, profile, and cross-sections).

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.

Tolerance Class	<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. Road Plan Clauses.
- 2. Typical Section Sheet.
- 3. Standard Lists.
- 4. Standard Details.
- 5. Road Plan maps.

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

1-7 TEMPORARY ROAD CLOSURE

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

1-8 REPAIR OR REPLACEMENT OF DAMAGED MATERIALS

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

1-9 DAMAGED METALLIC COATING

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

1-10 WSDOT STANDARD SPECIFICATION REFERENCE

References in this road plan to "WSDOT Standard Specifications" mean the Washington State Department of Transportation's Standard Specifications for Road, Bridge, and Municipal Construction 2012 (M41-10).

1-15 ROAD MARKING

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

- Orange flagging
- Construction stakes

1-20 COMPLETE BY DATE

Purchaser shall complete road work, except decommissioning and abandonment, before the start of timber haul.

1-21 HAUL APPROVAL

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

1-22 WORK NOTIFICATIONS

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

1-23 ROAD WORK PHASE APPROVAL

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

- Subgrade construction
- Drainage installation

1-25 ACTIVITY TIMING RESTRICTION

The operation of road construction equipment is not allowed on weekends or state recognized holidays, unless authorized in writing by the Contract Administrator.

The specified activities are not allowed during the listed closure period(s) unless authorized in writing by the Contract Administrator.

<u>Road</u>	<u>Activity</u>	<u>Closure Period</u>
All roads	Transporation of heavy equipment	March 15 to June 1
All Construction	Construction	December 1 to June 1

1-26 OPERATING DURING CLOSURE PERIOD

If permission is granted to operate during a closure period listed in Clause 1-25 ACTIVITY TIMING RESTRICTION, Purchaser shall provide a maintenance plan to include further protection of state resources. Purchaser shall obtain written approval from the Contract Administrator for the maintenance plan, and shall put preventative measures in place before operating during the closure period. Purchaser is required to maintain all haul roads at their own expense.

1-29 SEDIMENT RESTRICTION

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

1-30 CLOSURE TO PREVENT DAMAGE

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

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

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

1-32 BRIDGE 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(s) and have surface(s) evaluated by the Region Engineer or their designee for any damage caused by transporting equipment. Any damage to the surface(s) will be repaired, at the Purchaser's expense, as directed by the Contract Administrator.

After repairs, 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 will be allowed after the execution of a written SNOW PLOWING AGREEMENT to be prepared by the Purchaser. The plan is subject to written approval by the Contract Administrator before any snow plowing operations. If damage occurs while plowing, further permission to plow may be revoked by the Contract Administrator.

SECTION 2 – MAINTENANCE

2-1 GENERAL ROAD MAINTENANCE

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

2-4 PASSAGE OF LIGHT VEHICLES

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

2-5 MAINTENANCE GRADING – EXISTING ROAD

Purchaser shall use a grader to shape the existing surface before timber haul. Purchaser shall accomplish all grading using a motor grader with a minimum of 175 horsepower.

Jupiter Timber Sale Contract No. 30-104762

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 ditches, headwalls, and catchbasins. Work shall be completed before haul of timber.

SECTION 3 – CLEARING, GRUBBING, AND DISPOSAL

3-1 BRUSHING

Purchaser shall cut vegetative material up to 3 inches in diameter, including limbs, as shown on the BRUSHING DETAIL. Brushing must be achieved by manual or mechanical cutting of brush, trees, and branches. Root systems and stumps of cut vegetation may not be disturbed unless directed by the Contract Administrator. Purchaser shall remove brushing debris from ditchlines, and culvert inlets and outlets.

3-2 BRUSHING RESTRICTION

Pulling, digging, pushing over, and other non-cutting methods used for vegetation removal may not be used for brushing. Purchaser shall 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 may not be used for brushing unless otherwise approved in writing by the Contract Administrator.

3-5 CLEARING

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

3-7 RIGHT-OF-WAY DECKING

Purchaser shall deck all right-of-way timber. Decks must be parallel to the road centerline and placed within the cleared right-of-way. Decks must 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

Purchaser shall not deck right-of-way timber 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

Purchaser shall remove all stumps between the grubbing limits specified on the TYPICAL SECTION SHEET. Purchaser shall also remove stumps with undercut roots outside the grubbing limits. Purchaser shall remove stumps using a hydraulic mounted excavator unless authorized in writing by the Contract Administrator. Stumps over 22 inches diameter must be split. Stumps over 40 inches must be quartered. Grubbing must be completed before starting excavation and embankment.

3-12 STUMP PLACEMENT

Purchaser shall place grubbed stumps 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.

<u>Road</u>	Waste Area Location
E392412G	2+50
E392424E	33+83

3-20 ORGANIC DEBRIS DEFINITION

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

3-21 DISPOSAL COMPLETION

Purchaser shall remove all 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.

3-23 PROHIBITED DISPOSAL AREAS

Purchaser shall not place organic debris in the following areas:

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

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

Purchaser shall pile organic debris no closer than 20 feet from standing timber and no higher than 10 feet in areas specified in Clause 4-37 WASTE AREA LOCATION, within the cleared right-of-way, or in natural openings, as designated by the Contract Administrator. Piles must be free of rock and soil. Debris piles shall be made to be burnable, clean, tight, and free of rock or soil.

3-32 END HAULING ORGANIC DEBRIS

On slopes greater than 45%, Purchaser shall end haul or push organic debris to the designated waste areas specified in Clause 4-37 WASTE AREA LOCATION or to a waste area designated by the Contract Administrator.

SECTION 4 – EXCAVATION

4-1 EXCAVATOR CONSTRUCTION

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 may not extend more than 1000 feet beyond

completed construction unless approved in writing by the Contract Administrator. In addition, the following actions must be taken as pioneering progresses:

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

4-3 ROAD GRADE AND ALIGNMENT STANDARDS

Purchaser shall follow these standards for road grade and alignment except as designed:

- Grade and alignment must have smooth continuity, without abrupt changes in direction.
- Maximum grades may not exceed 18 percent favorable and 12 percent adverse.
- Minimum curve radius is 60 feet at centerline.
- Maximum grade change for sag vertical curves is 6% in 100 feet.
- Maximum grade change for crest vertical curves is 6% 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. Purchaser shall follow these standards for switchbacks except where designed in this road plan:

- Maximum adverse grades for switchbacks is 10%.
- Maximum favorable grades for switchbacks is 12%.
- Maximum transition grades entering and leaving switchbacks is a 5% grade change.
- Transition grades required to meet switchback grade limitations must 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, unless construction staked or designed:

	<u>Excavation</u>	<u>Excavation Slope</u>
Material Type	Slope Ratio	<u>Percent</u>
Common Earth (on side slopes up to 55%)	1:1	100
Common Earth (56% to 70% side slopes)	³ 4 :1	133
Common Earth (on slopes over 70%)	1/2:1	200
Fractured or loose rock	1/2:1	200
Hardpan or solid rock	½:1	400

Jupiter Timber Sale Contract No. 30-104762

4-6 EMBANKMENT SLOPE RATIO

Unless construction staked or designed, embankment slopes shall be constructed no steeper than shown on the following table:

	<u>Embankment</u>	<u>Embankment</u>
<u>Material Type</u>	Slope Ratio	Slope Percent
Sandy Soils	2:1	50
Common Earth and Rounded Gravel	1½:1	67
Angular Rock	11/4:1	80

4-7 SHAPING CUT AND FILL SLOPE

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

4-8 CURVE WIDENING

The minimum widening placed on the inside of curves is:

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

4-9 EMBANKMENT WIDENING

The minimum embankment widening is:

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

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

4-12 FULL BENCH CONSTRUCTION

Where side slopes exceed 50%, Purchaser shall use full bench construction for the entire subgrade width. Purchaser shall end haul waste material to the location specified in Clause 4-37 WASTE AREA LOCATION.

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 road(s), Purchaser shall construct the subgrade to the dimensions shown on the INTERSECTION DETAIL.

<u>Road</u>	<u>Stations</u>
E392412P	0+00 to 0+50

4-21 TURNOUTS

Purchaser shall construct turnouts intervisible with a maximum distance of 1,000 feet between turnouts unless otherwise shown on drawings. Locations may be adjusted to fit the final subgrade alignment and sight distances. Minimum dimensions are shown on the TYPICAL SECTION SHEET.

4-22 TURNAROUNDS

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

4-25 DITCH CONSTRUCTION AND RECONSTRUCTION

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 must be constructed concurrently with construction of the subgrade.

4-27 DITCH WORK – MATERIAL USE PROHIBITED

Purchaser shall not pull ditch material across the rocked roads or mix in with the road surface. Excavated material must be scattered outside the grubbing limits where side slopes are less than 45%. On side slopes greater than 45%, excavated material must be end hauled to the location specified in Clause 4-37 WASTE AREA LOCATION.

4-28 DITCH DRAINAGE

Ditches must drain to cross-drain culverts or ditchouts. Ditches shall not drain into streams or stream culverts.

4-29 DITCHOUTS

The Purchaser shall construct ditch outs as identified on the CULVERT LIST, 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 prevents sediment delivery into streams. Ditch outs 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

Purchaser may sidecast waste material on side slopes up to 45% if the waste material is compacted and free of organic debris. On side slopes greater than 45%, all waste material must be end hauled or pushed to the designated embankment sites and waste areas identified in Clause 4-37 WASTE AREA LOCATION.

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 at the discretion of the Contract Administrator.

Road	Waste Area Location	<u>Notes</u>
E392412G	2+50	Right Side
E392424E	33+83	Left Side

4-38 PROHIBITED WASTE DISPOSAL AREAS

Purchaser shall not deposit waste material 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.
- Within a wetland management zone.
- On side slopes steeper than 45%.
- In locations that interfere with the construction of the road prism.
- In locations that impede drainage.
- Within the operational area for cable landings.
- Against standing timber.
- Outside the clearing limits.

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.

4-49 BORROW SOURCE

Purchaser shall obtain borrow material from the listed borrow source(s) or borrow sources identified or approved by the Contract Administrator. Development of the borrow source must be in accordance with a written BORROW SOURCE DEVELOPMENT PLAN to be submitted by the Purchaser and approved in writing by the Contract Administrator.

<u>Source</u>	<u>Location</u>	<u>Notes</u>
E392401F	23+09	Left side
E392412P	3+10	Right side

4-50 BORROW APPLICATION

Purchaser shall apply borrow in accordance with quantities shown below. Borrow must be spread, shaped, and compacted full width concurrent with hauling operations.

Road	<u>Stations</u>	Cubic Yards (Compacted)
E392401F	23+09 to 23+84	75-150 CY
E392412P	4+80 to 5+80	150-250 CY

4-55 ROAD SHAPING

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

4-58 CLEAR ROAD SURFACE OF LOOSE ROCK

On the following road(s), Purchaser shall remove loose rocks greater than 4 inches in diameter from the road surface using a rock rake or other method approved in writing by the Contract Administrator. Rocks over 4 inches in diameter must be sidecast except on slopes over 45 percent where rocks must be placed in a location specified in Clause 4-37 WASTE AREA LOCATION. Purchaser shall complete work prior to any grading, compaction, and application of rock surfacing that occurs at the location specified below.

<u>Road</u>	<u>Stations</u>	
E392424E	3+71 to 17+27	

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

Purchaser shall compact constructed and reconstructed subgrades by routing equipment over the entire width except ditch. Purchaser shall obtain written approval from the Contract Administrator for subgrade compaction 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

Purchaser shall remove berms from road shoulders to permit the escape of runoff. The construction of ditchouts is required where ponding could result from the effects of sidecast debris.

5-5 CULVERTS

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

5-6 CULVERT TYPE

Purchaser shall install culverts made of new steel material 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 CULVERT LIST. Temporary stream culverts must be located in the natural channel of the stream. Temporary culverts must be removed as indicated in Clause 9-21 ROAD ABANDONMENT.

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

Culvert installation must 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". Culverts 18 inch diameter and over shall be banded using lengths of no less than 10 feet, and no more than one length less than 16 feet. Shorter section of banded culvert shall be installed at the inlet end.

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 must be installed with a depth of cover of not less than 1 foot of compacted subgrade over the top of the culvert at the shallowest point. Stream crossing culverts must be installed with a depth of cover specified in the CULVERT AND DRAINAGE SPECIFICATIONS DETAIL- D1 and recommended by the culvert manufacturer for the type and size of the pipe.

5-20 ENERGY DISSIPATERS

Purchaser shall install energy dissipaters at culvert inlets and outlets to prevent erosion. Energy dissipater installation is subject to approval by the Contract Administrator. The type of energy dissipater and the amount of material must be consistent with the specifications listed on the CULVERT AND DRAINAGE SPECIFICATION. Rock used for energy dissipaters must be light loose rip rap. Placement must with a zero-drop-height only. No placement by end dumping or dropping of rock is allowed. Light loose rip rap shall meet the specifications in Clause 6-50 LIGHT LOOSE RIP RAP.

5-21 DOWNSPOUTS AND FLUMES

Downspouts and flumes longer than 15 feet must be staked on both sides at a maximum interval of 10 feet with 6-foot heavy-duty steel posts, and fastened securely to the posts with 1/2-inch bolts.

5-25 CATCH BASINS

Purchaser shall construct catch basins 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

Purchaser shall construct headwalls in accordance with the CULVERT AND DRAINAGE SPECIFICATION DETAIL at all permanent cross drain culverts. Rock used for headwalls must meet the specifications for Light Loose Rip Rap. Rock must 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 may not restrict the flow of water into culvert inlets or catch basins. Placement must be with a zero-dropheight only. No placement by end dumping or dropping of rock is allowed. Light loose rip rap shall meet the specifications in Clause 6-50 LIGHT LOOSE RIP RAP.

5-27 ARMORING FOR CULVERTS

Armoring for stream crossing culverts and cross-drain culverts is outlined in the CULVERT LIST.

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 400 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

Purchaser shall construct rolling dips in accordance with the ROLLING DIP DETAIL and as specified on the CULVERT AND DRAINAGE LIST. Rolling dips must be installed concurrently with construction of the subgrade and must be maintained in an operable condition.

5-33 NATIVE SURFACE ROADS

If overwintered, native surface roads must be waterbarred by November 1. Purchaser shall construct waterbars according to the attached DRIVABLE WATERBAR DETAIL at a maximum spacing that will produce a vertical distance of no more than 10 feet between waterbars or between natural drainage paths, and with a maximum spacing of 300 feet.

6-2 ROCK SOURCE ON STATE LAND

Rock used in accordance with the quantities on the ROCK LIST may be obtained from the following source(s) on state land at no charge to the Purchaser. Purchaser shall obtain written approval from the Contract Administrator for the use of material from any other source. Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before starting any operations in the listed locations.

<u>Source</u>	<u>Location</u>	Rock Type
Portrait Pit	E-382407E Rd. STA 3+00	1 1/4-Inch Minus Crushed
		Rock

6-5 ROCK FROM COMMERCIAL SOURCE

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

6-11 ROCK SOURCE DEVELOPMENT PLAN BY PURCHASER

The Contractor shall submit a rock source development plan to the Contract Administrator. The plan must be approved before the use of rock from State Land. Upon completion of operations, the rock source shall be left in the condition specified in the ROCK SOURCE DEVELOPMENT PLAN, and approved in writing by the Contract Administrator. The Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before starting any operations in the rock source.

Rock source development plans prepared by the Contractor must show the following information:

- Rock source location.
- Rock source overview showing access roads, development areas, stockpile locations, waste areas, and floor drainage.
- Rock source profiles showing development areas, bench locations including widths, and wall faces including heights.
- Rock source reclamation plan describing how the area will be left in a condition that will ensure public safety and minimize environmental impacts.

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.

6-21 IN-PLACE PROCESSING

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. Purchaser shall remove any existing organic debris before the start of in-place crushing operations. The use of in-place processing methods is subject to written approval by the Contract Administrator.

6-22 FRACTURE REQUIREMENT FOR ROCK

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

6-50 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>	Approximate Size Range
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")

6-55 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(s) must be removed from state land. 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, and placed in the site(s) designated for stockpiling or disposal. 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 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 NCSPA 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

Purchaser shall keep metal gates closed and locked except during periods of haul. Purchaser shall keep 4-wire gates closed during periods of haul except for passing vehicles, unless approved by the Contract Administrator. All gates that remain open during haul must be locked or securely fastened in the open position. All gates must be closed at termination of use.

<u>Road</u>	<u>Station</u>	<u>Type</u>
E392412G	9+55	Metal
E392413G	2+66	Metal

SECTION 9 - POST-HAUL ROAD WORK

9-1 EARTHEN BARRICADES

Purchaser shall construct barricades in accordance with the SPOILS BERM DETAIL. Barricades shall be constructed on the following roads after the completion of timber haul and before the termination of this contract.

<u>Road</u>	<u>Stations</u>
E392401F(A)	1+00
E392518G	81+43
E392518K	0+50

9-3 CULVERT MATERIAL REMOVED FROM STATE LAND

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

9-5 POST-HAUL MAINTENANCE

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

9-10 LANDING DRAINAGE

Purchaser shall provide for drainage of the landing surface, to the approval, in writing, of the Contract Administrator.

9-11 LANDING EMBANKMENT

Purchaser shall slope landing embankments to the original construction specifications.

9-20 ROAD DECOMMISSIONING

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

<u>Road</u>	<u>Stations</u>	<u>Type</u>
E392518G	81+00 to 141+00	Light Decommissioning

9-21 ROAD ABANDONMENT

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

<u>Road</u>	<u>Stations</u>	<u>Type</u>
E392401F(A)	0+00 to 14+90	Light Abandonment
E392401N	0+00 to 9+93	Light Abandonment
E392518K	0+00 to 4+71	Light Abandonment

9-22 LIGHT ABANDONMENT

- Remove road shoulder berms except as directed.
- Construct non-drivable waterbars according to the attached NON-DRIVABLE WATERBAR DETAIL at a maximum spacing that will produce a vertical drop of no more than 10 feet between waterbars or between natural drainage paths and with a maximum spacing of 100 feet, or as marked in the field.
- Skew waterbars at least 30 degrees from perpendicular to the road centerline on roads in excess of 3 percent grade.
- Key waterbars into the cut-slope to intercept the ditch. Waterbars must be outsloped to provide positive drainage. Outlets must be on stable locations.
- Block roads with earthen barricades in accordance with the attached EARTHEN BARRICADE DETAIL.
- Remove culverts.
- Scatter woody debris onto abandoned road surfaces.
- Fill all ditches
- Outslope the road surface to 4%.

9-22 LIGHT DECOMMISSIONING

- Remove road shoulder berms except as directed.
- Construct drivable waterbars according to the attached DRIVABLE WATERBAR DETAIL at a maximum spacing that will produce a vertical drop of no more than 10 feet between waterbars or between natural drainage paths and with a maximum spacing of 100 feet, or as marked in the field.
- Skew waterbars at least 30 degrees from perpendicular to the road centerline on roads in excess of 3 percent grade.
- Key waterbars into the cut-slope to intercept the ditch. Waterbars must be outsloped to provide positive drainage. Outlets must be on stable locations.
- Block roads with earthen barricades in accordance with the attached EARTHEN BARRICADE DETAIL.

SECTION 10 MATERIALS

10-15 CORRUGATED STEEL CULVERT

Metallic coated steel culverts must meet AASHTO M-36 (ASTM A-760) specifications. Culverts must 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 must conform to the following specifications for gage and corrugation as a function of diameter.

<u>Diameter</u>	<u>Gauge</u>	<u>Corrugation</u>
18"-36"	16 (0.064")	2 ² / ₃ " X ¹ / ₂ "
48"	14 (0.079")	2 ² / ₃ " X ¹ / ₂ "
54" to 96"	12 (0.109")	3" X 1"

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.

Sturctures

 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

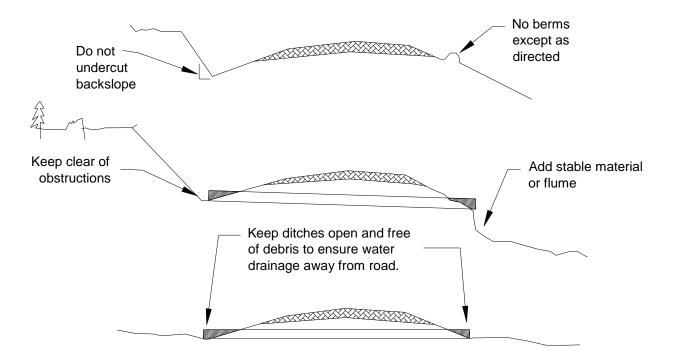
 Perform preventative maintenance work to safeguard against storm damage, such as blading to ensure correct runoff, ditch and culvert cleaning, and waterbar maintenance.

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.

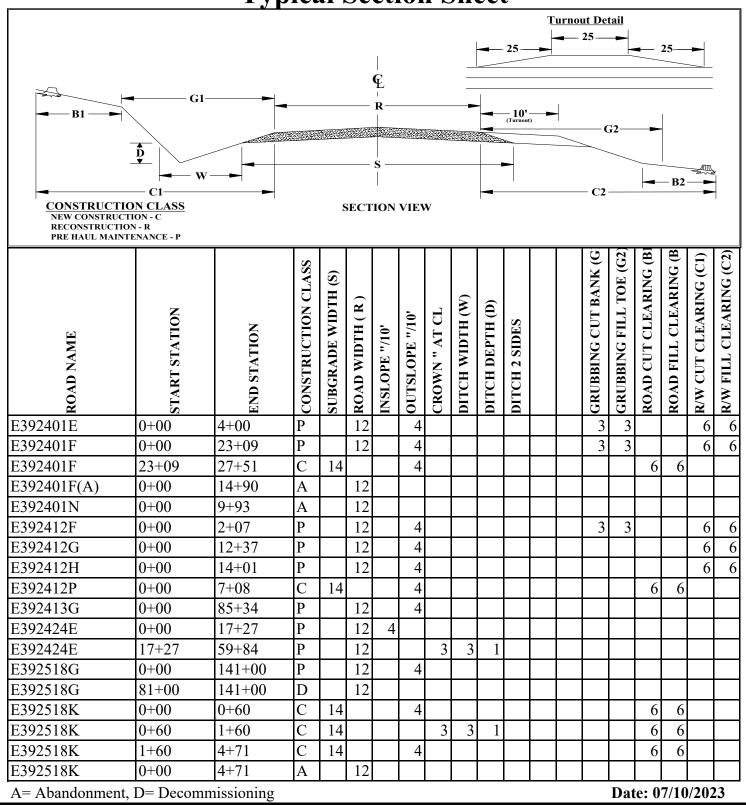


State of Washington

Department of Natural Resources

Application No.: 30-104762 Name of Sale: Jupiter

Typical Section Sheet



STATE OF WASHINGTON

DEPARTMENT OF NATURAL RESOURCES

Application No.: 30-104762 Name of Sale: Jupiter Date: 03-21-2023

CULVERT & DRAINAGE LIST

E392412P	E392412P	E392412P	E392424E	E392424E	E392518G	E392518K					
Station	2+19	5+55	29+39	33+32	63+22	1+10					
Diameter (i		18	18	18	18	36					
Gauge		16	16	16	16	16					
Skew											
Culvert (ft)	,	36	30	38	38	36					
Downspout											
Flume											
- Inlet C.Y.	1	1	1	1	1	1					
- Outlet C.Y.	X	1	1	1	1	1					
Catchbasin											
Ditch											
Staked											
≺ Rolling Dip	1										
Notes 12 2 6 10 11	12	1,2,3,6,10,11	1,2,3,6,10,11	1,2,3,6,10,11	1,2,3,6,10,11	1,2,3,6,10,11,13					

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 D112. Install Armored Dip See D6
- 13. Temporary Culvert

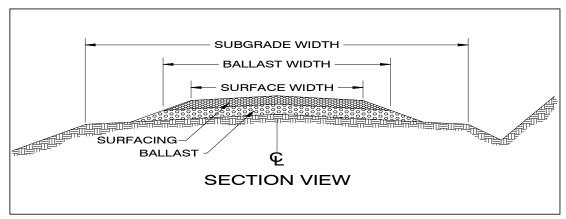
STATE OF WASHINGTON

DEPARTMENT OF NATURAL RESOURCES

Application No.: 30-104762

Name of Sale: Jupiter

ROCK LIST

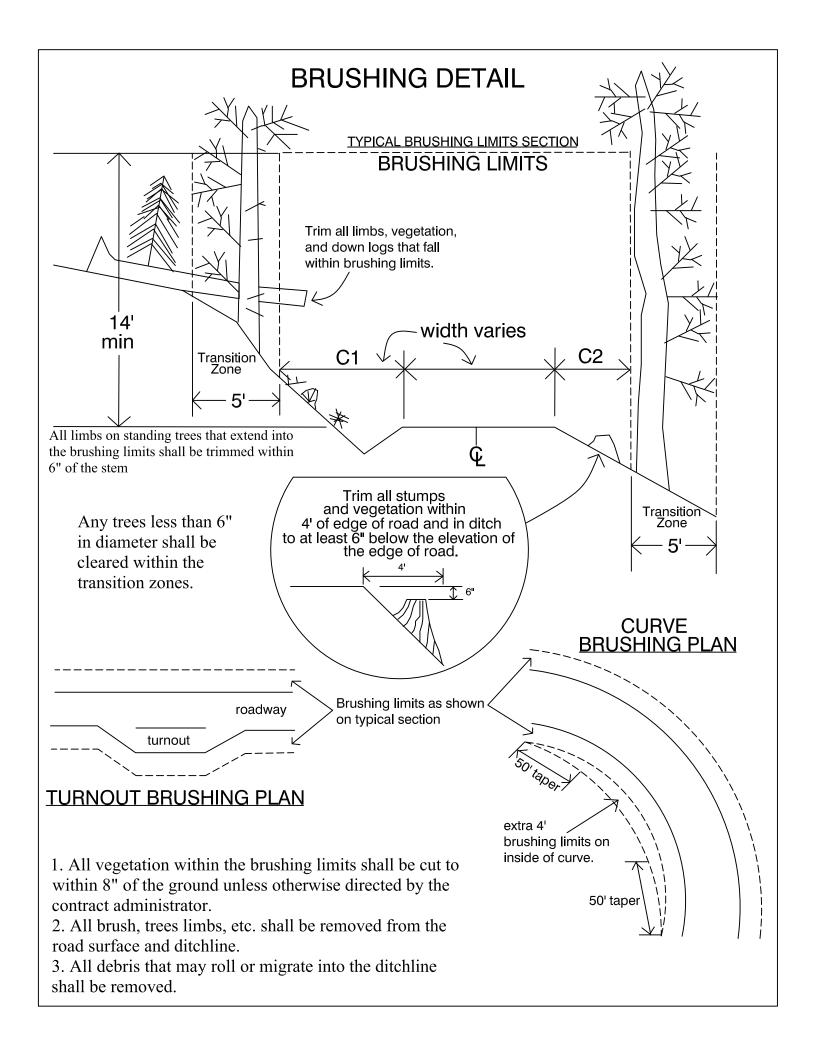


- 1. ROCK DEPTHS ARE DEFINED AS COMPACTED DEPTHS.
- 2. LOOSE YARD QUANTITIES ARE DEPENDANT ON SOURCE.
- 3. ROCK SLOPES SHALL BE 1.5(H): 1(V).
- 4. ALL ROCK SOURCES ARE SUBJECT TO APPROVAL BY THE CONTRACT ADMINISTRATOR.

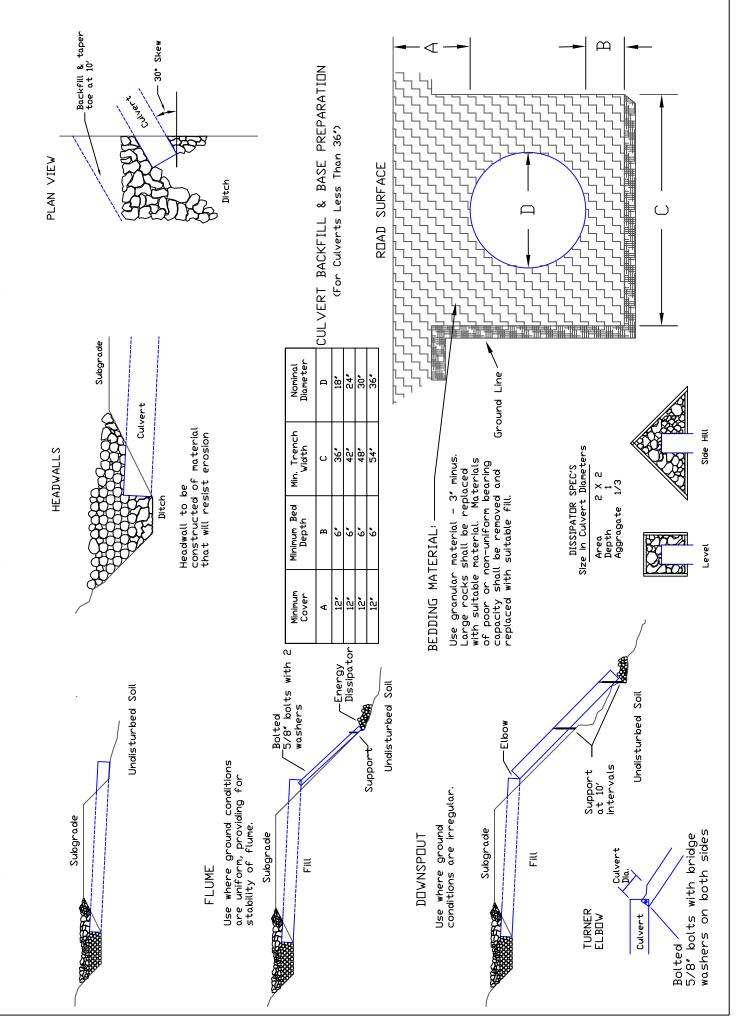
ROAD NAME	START STATION	END STATION	SUBGRADE WIDTH (ft)	BALLAST* SOURCE	BALLAST* WIDTH (ft)	BALLAST* DEPTH (in)	BALLAST* QTY (cu.yd./sta)	BALLAST QTY (cu.yd. total)	SURFACE SOURCE	SURFACE WIDTH (ft)	SURFACE DEPTH (in)	SURFACE QTY (cu.yd./sta)	SURFACE QTY (cu.yd. total)	SURFACE SPECIFICATION*	FABRIC WIDTH (ft)
E392424E	3+71	17+27					0	0.0		12	6	24	320	Α	
E392518G	46+15	47+15					0	0.0		12	3	11	11	Α	
E392518K	0+60	1+60					0	0.0		12	4	15	15	Α	

DATE: 03-22-2023

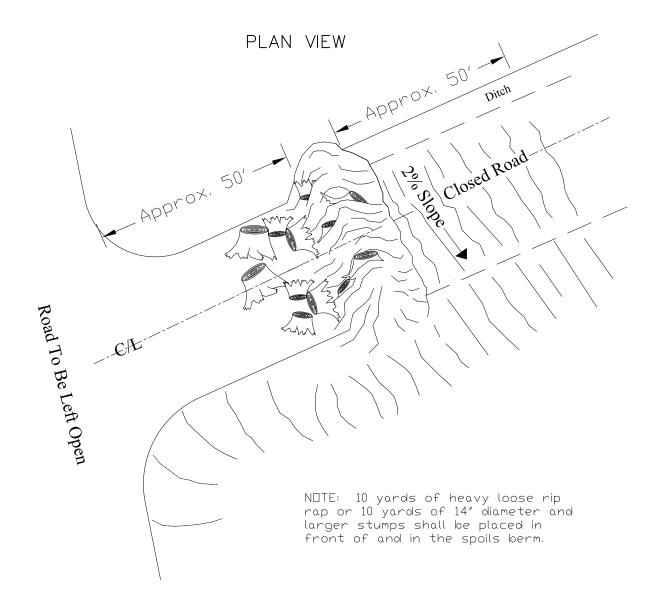
^{** &}quot;A" calls for 1 1/4-Inch Minus Rock

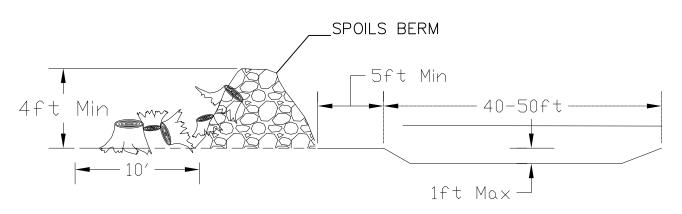


CULVERT AND DRAINAGE SPECIFICATIONS DETAIL - D1

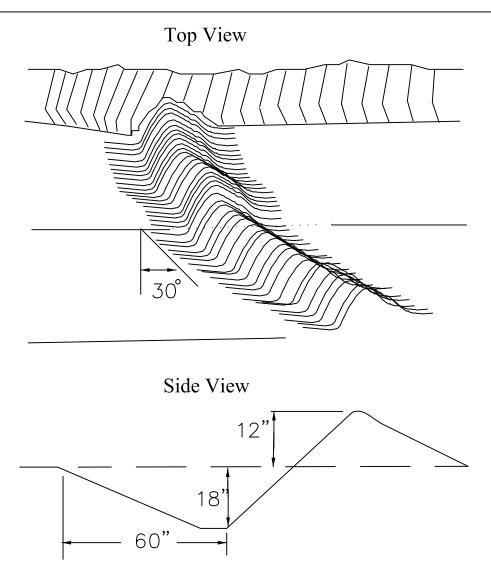


SPOILS BERM DETAIL-D8





Note: $\frac{1}{3}$ of stumps or rip rap shall be partially buried in the spoils berm and/or road surface.



- 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

Northeast Region Colville, Washington

Designed By: Stash Slabinski 9/06/05

Drawn By: Stash Slabinski 9/06/05

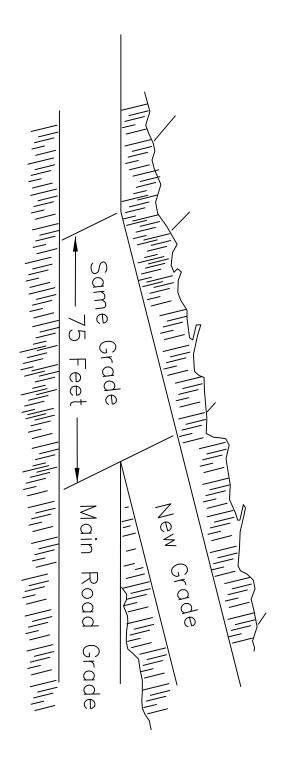


WASHINGTON STATE DEPARTMENT OF

Natural Resources

Revised: 1 OF 1

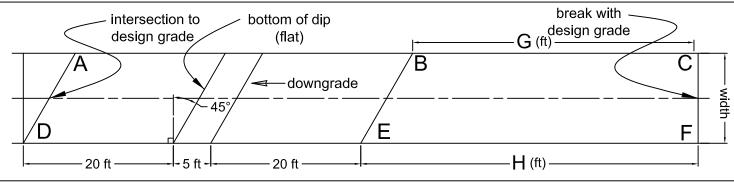
Intersection Detail



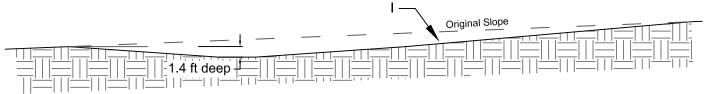
Main road and spur must have he same grade until there is horizontal separation from each other.

STANDARD 45° ROLLING DIP

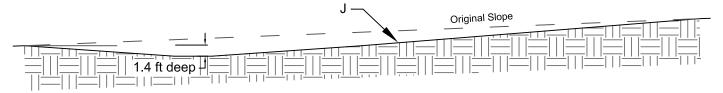
PLAN OF ROLLING DIP

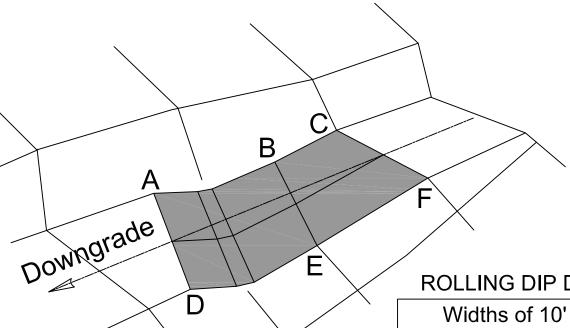






FILL SLOPE

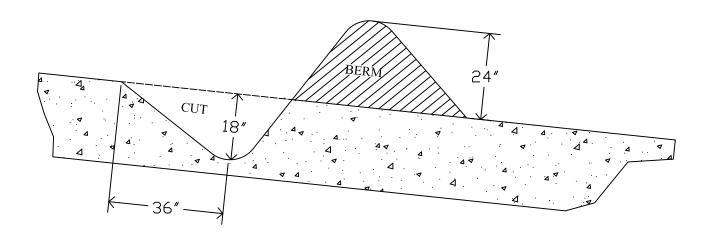




ROLLING DIP DEMENSIONS

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

Non-Driveable Water Bar Detail



Notes:

- 1. WATERBAR CONSTRUCTION FOR FOREST ROADS WITH NO TRAFFIC. SPECIFICATIONS ARE AVERAGE AND MAY BE ADJUSTED TO CONDITIONS.
- 2. TIE BERM INTO BANK. IF DITCH EXISTS, TIE CUT INTO DITCH.
- 3. CONSTRUCT CROSS DRAIN BERM APPROXIMATELY 24 IN. HIGH.
- 4. CUT WATERBAR A MINIMUM OF 18 IN.
- 5. ENSURE PROPER DRAINAGE AT OUTLET.
- 6. SKEW WATERBAR 30 DEGREES DOWNGRADE WITH ROAD CENTERLINE.

	Non-Driveable Waterbar
	Detail
Northeast Region Colville, Washington	washington state department of Natural Resources
Designed By: Stash Slabinski 4/21/05 Drawn By: Stash Slabinski 4/21/05	Revised: 1 OF 1

JUPITER - Road Development Costs

REGION: Northeast CONTRACT: Jupiter ENGINEER: Mackenzie Karnstein

DISTRICT: Highlands DATE: Aug-23

	C	D	M.:	41 1 .	D
1	Construction	Reconstruction	Maintenance	Abandonment	Decommission
ROAD NUMBERS:	E392401F		E392401E	E392401F(A)	E392518G
	E392412P		E392401F	E392401N	
	E392518K		E392412F	E392518K	
			E392412G		
			E392412H		
			E392413G		
			E392424E		
			E392518G		
ROAD STANDARD:	Construction	Reconstruction	Maintenance	Abandonment	Decommission
~					
NUMBER OF STATIONS:	16.21	0.00	341.72	29.54	60.00
CLEARING & GRUBBING:	\$971.52	\$ -	\$ 7,914.13		
CEETRING & GROBBING.	ψ//1.52	Ψ	ψ 7,211.13		
EXCAVATION AND FILL:	\$ 6,033.35	\$ -	\$ 9,973.19		
MISC. MAINTENANCE:	\$ 369.00	\$ -	\$ 5,197.33	\$ 1,016.50	\$ 250.00
MISC. MILITARY CE.	ψ 507.00	Ψ	ψ 5,177.55	Ψ 1,010.50	Φ 230.00
ROAD ROCK:	\$ 411.33	\$ -	\$ 8,839.27		
1					
ADDITIONAL ROCK:					
		0.0	A. =0.		
CULVERTS AND FLUMES:	\$5,028	\$0	\$5,795		
1					
STRUCTURES/MATERIALS:	\$ -	\$0	\$0		

TOTAL COSTS:	\$12,813		\$37,719	\$ 1,016.50	\$ 250.00
COST PER STATION:	\$790	\$0	\$110	\$34	\$4

	\$/per move	# of moves	Total
MOBILIZATION:			\$3,540

TOTAL (All Roads) = \$55,338 SALE VOLUME mbf = 2,321.00 TOTAL \$/MBF = \$24

Engineer's Notes:		

FOREST ROAD AND TRAIL ACT COST-SHARE EASEMENT

THIS EASEMENT, dated this 17th day of 1989, from the United States of America, acting by and through the Forest Service, Department of Agriculture, hereinafter called Grantor, to Department of Natural Resources, an agency of the State of Washington, hereinafter called Grantee.

WITNESSETH:

WHEREAS, Grantee has applied for a grant of an easement under the Act of October 13, 1964 (78 Stat. 1089; 16 U.S.C. 532-538), for a road over certain lands or assignable easements owned by the United States in the County of Okanogan, State of Washington and administered by the Forest Service, Department of Agriculture.

NOW THEREFORE, Grantor, for and in consideration of reciprocal rights-of-way received by Grantor, does hereby grant to Grantee, its successors and assigns, and to successors in interest to any lands now owned or hereafter acquired by Grantee, hereinafter collectively referred to as Grantee, subject to existing easements and valid rights, a perpetual easement for a road over and across that easement of variable width acquired from:

Grantor:

Whitworth College, et al

Date:

May 23, 1984

Location:

Patented mining claims in sections 28, 29, 33 and

34, T. 39 N., R. 25 E., W.M.

Recorded:

Volume 54, Page 404, Auditor's Records of

Okanogan County, Washington

The word "premises" when used herein means said strip of land whether or not there is an existing road located thereon. Except where it is defined more specifically, the word "road" shall mean roads now existing or hereafter constructed on the premises or any segment of such roads.

The location of said easement is shown approximately on Exhibit A attached hereto.

This grant is made subject to the following terms, provisions, and conditions applicable to Grantee, its permittees, contractors, assignees, and successors in interest:

A. Except as hereinafter limited, Grantee shall have the right to use the road on the premises without cost for all purposes deemed necessary or desirable by Grantee in connection with the protection, administration, management, and utilization of Grantee's lands or resources, now or hereafter owned or controlled, subject to such traffic-control regulations and rules as Grantor reasonably may impose upon or require of other users of the road without reducing the rights herein granted. Grantee shall have the right to construct, reconstruct, and maintain roads within the premises.

Grantee's right to use the road shall include, but shall not be limited to, use for the purpose of operating and moving specialized logging vehicles and other equipment subject to the following limitations:

Subject to compliance with legal dimensions and weights of motor vehicles imposed by State law on comparable public roads and highways: Provided, That gross weights of equipment or vehicles shall not exceed the capacity of bridges and other structures, and Provided further, That cleated equipment shall not be used on paved roads.

- B. Grantee shall comply with all applicable State and Federal laws, Executive Orders, and Federal rules and regulations, except that no present or future administrative rules or regulations shall reduce the rights herein expressly granted.
- C. Grantee shall have the right to charge and to enforce collections from purchasers of timber or other materials when removed from Grantor's lands over the road at such rate per unit of material hauled, or at such higher rate as may be approved by the Regional Forester, as set forth in Okanogan Road Right-of-Way Construction and Use Agreement dated June 11, 1970, until such time as the amounts paid by such means or by credits received from Grantor shall total the amount set forth in said agreement. Timber or other materials hauled by Grantee from lands of the Grantor shall be regarded as though hauled by someone else.
- D. Grantee shall have the right to cut timber upon the premises to the extent necessary for constructing, reconstructing, and maintaining the road. Timber so cut shall, unless otherwise agreed to, be cut into logs of lengths specified by the timber owner and decked along the road for disposal by the owner of such timber.
- E. The costs of road maintenance shall be allocated on the basis of respective uses of the road.

During the periods when either party uses the road or Grantor permits use of the road by others for hauling of timber or other materials, the party so using or permitting such use shall perform or cause to be performed, or contribute or cause to be contributed that share of maintenance occasioned by such use of the road.

On any road maintained by Grantee, Grantee shall have the right to charge purchasers of National Forest timber and other commercial haulers, or to recover from available deposits held by the Grantor for such purchasers or haulers, reasonable maintenance charges based on the ratio that said hauling bears to the total hauling on such road. Grantor shall prohibit noncommercial use unless provision is made by grantor or by the noncommercial users to bear proportionate maintenance costs.

F. Grantee shall have the right to require any user of the road for commercial or heavy hauling purposes to post security guaranteeing

performance of such user's obligations with espect to maintenance of the road and with respect to payments of any charges hereinabove stated as payable to Grantee for use of the road: Provided, That the amount of such security shall be limited to the amount reasonably necessary to secure such payment as approved by the Regional Forester.

- G. If it is customary in the industry in this locality to require liability insurance at the time commercial users are allowed to use the road, the Grantee shall have the right to require any user of the road for commercial hauling to procure, to maintain, and to furnish satisfactory evidence of liability insurance in a form generally acceptable in the trade and customary in this area, insuring said party against liability arising out of its operation on the premises. The amount of the insurance that may be required shall be established by the Grantor based on the amount customarily carried by commercial haulers in this area.
- H. The Grantee shall maintain the right-of-way clearing by means of chemicals only after the Forest Supervisor has given specific written approval. Application for such approval must be in writing and must specify the time, method, chemicals, and the exact portion of the right-of-way to be chemically treated.

This easement is granted subject to the following reservations by Grantor, for itself, its permittees, contractors, and assignees:

- 1. The right to use the road for all purposes deemed necessary or desirable by Grantor in connection with the protection, administration, management, and utilization of Grantor's lands or resources, now or hereafter owned or controlled, subject to the limitations herein contained, and subject to such traffic-control regulations and rules as Grantor may reasonably impose upon or require of other users of the road without reducing the rights herein granted to Grantee: Provided, That all use by the public for purposes of access to or from Grantor's lands shall be controlled by Grantor so as not unreasonably to interfere with use of the road by Grantee or to cause the Grantee to bear a share of the cost of maintenance greater than Grantee's use bears to all use of the road.
- 2. The right alone to extend rights and privileges for use of the premises to other Government departments and agencies, States, and local subdivisions thereof, and to other users including members of the public except users of lands or resources owned or controlled by Grantee or its successors: Provided, That such additional use also shall be controlled by Grantor so as not unreasonably to interfere with use of the road by Grantee or to cause Grantee to bear a share of the cost of maintenance greater than Grantee's use bears to all use of the road.
- 3. The right to cross and recross the premises and road at any place by any reasonable means and for any purpose in such manner as will not interfere unreasonably with use of the road.

4. The right to all timber now or hereafter growing on the premises, subject to Grantee's right to cut such timber as hereinbefore provided.

Provided that so long as the Okanogan Road Right-of-Way Construction and Use Agreement dated June 11, 1970 remains in full force and effect, the terms and conditions thereof shall govern all aspects of use of the premises, including, but not limited to construction, reconstruction, and maintenance of the road and the allocation and payment of costs thereof.

The Chief, Forest Service, may terminate this easement, or any segment thereof, (1) by consent of the Grantee, (2) by condemnation, or (3) after a five (5) year period of nonuse, by a determination to cancel after notification and opportunity for hearing as prescribed by law; Provided: That the easement, or segment thereof, shall not be terminated for nonuse as long as the road, or segment thereof, is being preserved for prospective future use.

IN WITNESS WHEREOF, the Grantor, by its Director of Lands, Pacific Northwest Region, Forest Service, has executed this easement pursuant to the delegation of authority to the Chief, Forest Service, 7 CFR 2.60, and the delegation of authority by the Chief, Forest Service, dated August 22, 1984 (49 FR 34283), on the date and year first above written.

UNITED STATES OF AMERICA

CARLIN B. JACKSON

Director of Lands

Pacific Northwest Region

Forest Service

Department of Agriculture

ACKNOWLEDGMENT

STATE OF OREGON)

County of Multnomah)

On this /7th day of Moule, 1989, before me the undersigned a Notary Public within and for said State, personally appeared Carlin B. Jackson, Director of Lands, Pacific Northwest Region, Forest Service, the same person who executed the within and foregoing instrument, who being by me duly sworn according to law, did say that he is the Director of Lands, Pacific Northwest Region, Forest Service, and that said instrument was signed in behalf of the United States of America by its authority duly given

and by him delivered as and for its act and deed. And he did further acknowledge that he executed said instrument as the free act and deed of the United States of America, for the purposes and consideration herein mentioned and set forth, and I do hereby certify.

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

Notary Public for the State of Oregon Residing at Pull Nd
My Commission expires 8/3/9/

