



TIMBER NOTICE OF SALE

SALE NAME: CAMP DRAPER

AGREEMENT NO: 30-092221

AUCTION: October 27, 2016 starting at 10:00 a.m., **COUNTY:** Klickitat
Pacific Cascade Region Office, Castle Rock, WA

SALE LOCATION: Sale located approximately 5 miles west of Glenwood, Washington.

PRODUCTS SOLD AND SALE AREA: All ponderosa pine timber not marked with blue leave tree paint and bounded by timber sale boundary tags and pink flagging on part(s) of Sections 8 and 9 all in Township 6 North, Range 12 East, W.M., containing 256 acres, more or less.

CERTIFICATION: This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

ESTIMATED SALE VOLUMES AND QUALITY:

Species	Avg Ring DBH Count	Total MBF	Total Tons	Price \$/Ton	MBF by Grade						
					1S	2S	3S	4S	5S	6S	UT
Ponderosa pine	16	2,692	18,156	\$11.65				794	1,330	491	77
Sale Total		2,692	18,156								

MINIMUM BID: \$11.65/ton (est. value \$211,000.00) **BID METHOD:** Sealed Bids

PERFORMANCE SECURITY: \$42,200.00 **SALE TYPE:** Tonnage Scale

EXPIRATION DATE: December 15, 2018 **ALLOCATION:** Export Restricted

BIDDABLE SPECIES: Ponderosa pine

BID DEPOSIT: \$21,100.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

HARVEST METHOD: Ground Based Yarding will not be permitted from November 1 to April 30 unless authorized in writing by the Contract Administrator. Yarding restricted to dry and/or frozen conditions during the winter season.

ROADS: 22.00 stations of required reconstruction. 116.58 stations of required prehaul maintenance. 110 cubic yards of crushed rock to be applied. Road construction will not be permitted from November 1 to April 30 unless authorized in writing by the Contract Administrator. The hauling of forest products will not be permitted from November 1 to April 30 unless authorized in writing by the Contract Administrator.

ACREAGE DETERMINATION

CRUISE METHOD: Acres traversed with a Garmin 60CSx . 3 voids totaling 7 acres deducted from cruise acres. Variable plot cruise.

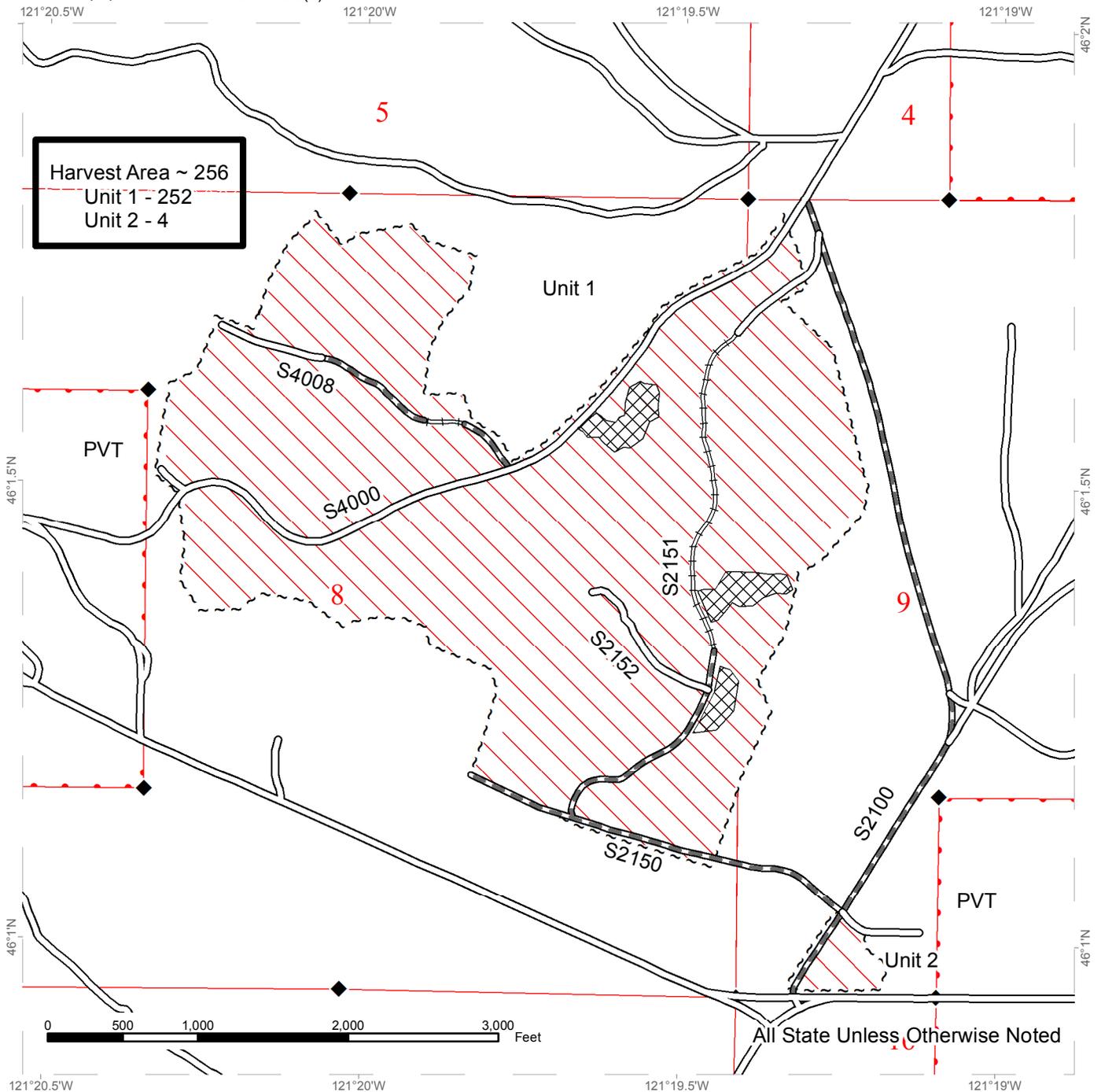
FEES: \$1,000 lump-sum payment for small diameter trees and tops not covered by the H-150 clause. \$47,783.00 is due on day of sale. \$1.33 per ton is due upon removal. These are in addition to the bid price.

SPECIAL REMARKS: Ponderosa pine is the only harvested species. No other minor species in the stand shall be cut.

TIMBER SALE MAP

SALE NAME: CAMP DRAPER
AGREEMENT #: 92221
TOWNSHIP(S): T06R12E
TRUST(S): Normal School(8)

REGION: Southeast Region
COUNTY(S): KLUICKITAT
ELEVATION RGE: 1876-2125



Legend

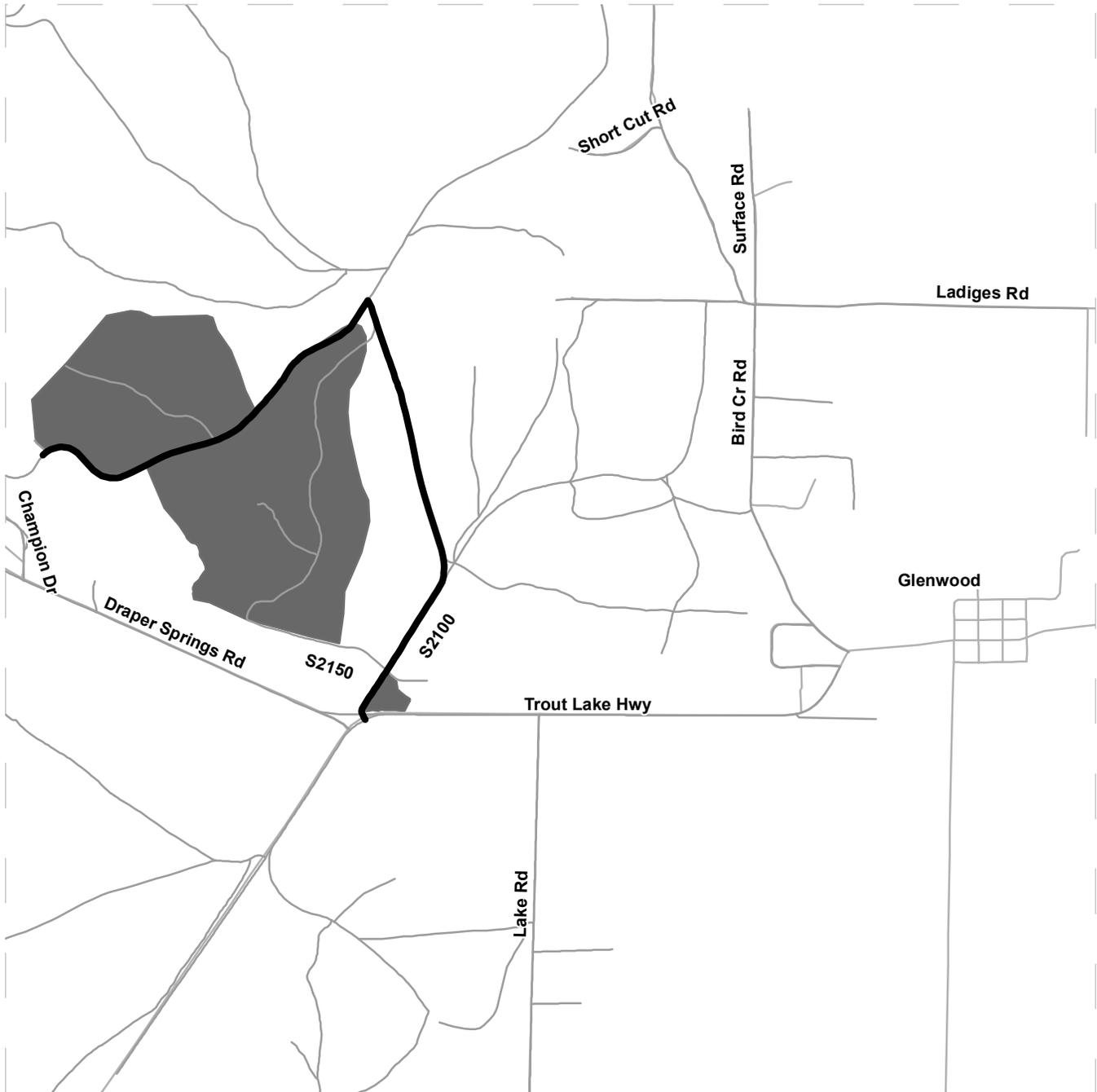
Sale Area	Existing Roads	Public Land Survey Sections
Sale Boundary Tags	Required Pre-Haul Maintenance	DNR Managed Lands
Void Area	Required Reconstruction	
	Monumented Corners	



DRIVING MAP

SALE NAME: Camp Draper Timber Sale
AGREEMENT#: 30-092221
TOWNSHIP: Section 06 Township 06 North Range 12 East
TRUST: 08

REGION: Southeast
COUNTY: Klickitat
ELEVATION RGE: 1876-2120



Timber Sale Unit
 Other Road
 Haul Route

DRIVING DIRECTIONS:

From Glenwood, proceed 1.5 miles west on the Trout Lake County Road to the S2100 Road junction. Turn right onto the S2100 Road and proceed northeasterly for approximately 0.1 miles to the S2150 Road junction. Turn left onto the S2150 Road and proceed westerly for approximately 0.4 miles to the S2151 Road. Turn right onto the S2151 Road. Sale area is located west of the S2151 Road.

0 0.2 0.4 0.8
 Miles



**STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES**

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

Export Restricted Tonnage Scale AGREEMENT NO. 30-092221

SALE NAME: CAMP DRAPER

**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 a Bill of Sale and Contract for Forest Products with the State for the right to harvest and remove forest products from the timber sale area.

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

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

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

G-010 Products Sold and Sale Area

Purchaser was the successful bidder on October 27, 2016 and the sale was confirmed on _____. The State, as owner, agrees to sell to Purchaser, and Purchaser agrees to purchase, cut, and remove the following forest products: All ponderosa pine timber not marked with blue leave tree paint and bounded by timber sale boundary tags and pink flagging, located on approximately 256 acres on part(s) of Sections 8, and 9 all in Township 6 North, Range 12 East W.M. in Klickitat County(s) as shown on the attached timber sale map and as designated on the sale area.

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

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

G-020 Inspection By Purchaser

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

G-030 Contract Term

Purchaser shall remove the forest products conveyed and complete all work required by this contract prior to December 15, 2018.

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-050 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 contract value based on the contract payment rate and advertised volume.

For the second extension, not to exceed 1 year, payment of at least 90 percent of the contract value based on the contract payment rate base and advertised volume.

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

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

To determine the unpaid portion of the contract, multiply the contract payment rate for each item by the remaining volume for each item based on the volumes from the Timber Notice of Sale. In addition, all cash deposits that

can be used for timber payments, except the initial deposit, will be deducted from the unpaid portion of the contract.

- e. Payment of \$7.00 per acre per annum for the acres on which an operating release has not been issued .
- f. In no event will the extension charge be less than \$200.00.
- g. Extension payments are non-refundable.

G-053 Surveys - Sensitive, Threatened, Endangered Species

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

G-060 Exclusion of Warranties

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

- a. The MERCHANTABILITY of the forest products. The use of the term "merchantable" in any document is not intended to vary the foregoing.
- b. The CONDITION of the forest products. The forest products will be conveyed "AS IS."
- c. The ACREAGE contained within any sale area. Any acreage descriptions appearing in the timber notice of sale, timber sale contract, or other documents are estimates only, provided solely for administrative and identification purposes.
- d. The VOLUME, QUALITY, OR GRADE of the forest products. The State neither warrants nor limits the amount of timber to be harvested. The descriptions of the forest products to be conveyed are estimates only, made solely for administrative and identification purposes.
- e. The CORRECTNESS OF ANY SOIL OR SURFACE CONDITIONS, PRE-SALE CONSTRUCTION APPRAISALS, INVESTIGATIONS, AND ALL OTHER PRE-BID DOCUMENTS PREPARED BY OR FOR THE STATE. These documents have been prepared for the State's appraisal purposes only.
- f. THAT THE SALE AREA IS FREE FROM THREATENED OR ENDANGERED SPECIES or their habitat. The State is not responsible for any interference with forestry operations that result from the presence of any

threatened or endangered species, or the presence of their habitat, within the sale area.

- g. THAT THE FORESTRY OPERATIONS to be performed under this contract WILL BE FREE FROM REGULATORY ACTIONS by governmental agencies. The State is not responsible for actions to enforce regulatory laws, such as the Washington Forest Practices Act (chapter 76.09 RCW), taken by the Department of Natural Resources or any other agency that may affect the operability of this timber sale.
- h. Items contained in any other documents prepared for or by the State.

G-062 Habitat Conservation Plan

The State has entered into a Habitat Conservation Plan (HCP) with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service (the Services) to address state trust land management issues relating to compliance with the Federal Endangered Species Act. The activities to be carried out under this contract are located within the State's HCP area and are subject to the terms and conditions of the HCP, and the Services' Incidental Take Permit Nos. 812521 and 1168 (collectively referred to as ITP), or as amended hereafter by the Services. The ITP authorizes the incidental take of certain federally listed threatened and endangered species, as specified in the ITP conditions. All HCP materials, including the ITP, are available for review at the State's Regional Offices and the administrative headquarters in Olympia, Washington.

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

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

G-064 Permits

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

G-065 Regulatory Disclaimer

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

G-066 Governmental Regulatory Actions

a. Risk

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

b. Sale Area

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

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

c. Adjustment of Price

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

G-070 Limitation on Damage

In the event of a breach of any provision of this contract by the State, the exclusive remedy available to Purchaser will be limited to a return of the initial deposit, unapplied payments, and credit for unamortized improvements made by Purchaser.

The State shall not be liable for any damages, whether direct, incidental or consequential.

G-080 Scope of State Advice

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

G-090 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, added forest products become a part of this contract and shall be paid for at the same rate and manner as other forest products under this contract.

G-100 Forest Products Not Designated

Any forest products not designated for removal, which must be removed in the course of operations authorized by the State, shall be approved and designated by the Contract Administrator. Added forest products become a part of this contract and shall be paid for at the same rate and manner as other forest products under this contract.

G-110 Title and Risk of Loss

Title to the forest products conveyed passes at confirmation of the sale. Purchaser bears the risk of loss of or damage to and has an insurable interest in the forest products in this contract from the time of confirmation of the sale of forest products. In the event of loss of or damage to the forest products after passage of title, whether the cause is foreseeable or unforeseeable, the forest products shall be paid for by Purchaser. Breach of this contract shall have no effect on this provision. Title to the forest products not removed from the sale area within the period specified in this contract shall revert to the State as provided in RCW 79.15.100.

G-116 Sustainable Forestry Initiative® (SFI) Certification

Forest products purchased under this contract are certified as being in conformance with the Sustainable Forestry Initiative program Standard under certificate number: BV-SFIS-US09000572.

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® program Standard. Purchaser shall designate in writing the name(s) of the individual(s) who will be on-site and provide proof of their successful completion of an approved training program prior to active operations.

G-120 Responsibility for Work

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

G-121 Exceptions

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

Road is defined as the road bed, including but not limited to its component parts, such as 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. 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.

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

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

G-140 Indemnity

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

G-150 Insurance

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

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

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

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

Before starting work, Purchaser shall furnish State of Washington, Department of Natural Resources with a certificate(s) of insurance, executed by a duly authorized

representative of each insurer, showing compliance with the insurance requirements specified in the contract. Insurance coverage shall be obtained by the Purchaser prior to operations commencing and continually maintained in full force until all contract obligations have been satisfied or an operating release has been signed by the State.

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

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

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

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

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

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

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

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

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

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

Business Auto Policy (BAP). Purchaser shall maintain business auto liability and, if necessary, commercial umbrella liability insurance with a limit not less than \$1,000,000.00 per accident. Such insurance shall cover liability arising out of "Any Auto". Business auto coverage shall be written on ISO form CA 00 01, or substitute liability form providing equivalent coverage. If necessary the policy shall be endorsed to provide contractual liability coverage and cover a "covered pollution cost or expense" as provided in the 1990 or later editions of CA 00 01. Purchaser waives all rights against State for the recovery of damages to the extent they are covered by business auto liability or commercial umbrella liability insurance.

G-160 Agents

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

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

G-170 Assignment and Delegation

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

G-180 Modifications

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

G-190 Contract Complete

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

G-200 Notice

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

G-210 Violation of Contract

G-220 State Suspends Operations

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

G-210 Violation of Contract

- a. If Purchaser violates any provision of this contract, the Contract Administrator, by written notice, may suspend those operations in violation. If the violation is capable of being remedied, Purchaser has 30 days after receipt of a suspension notice to remedy the violation. If the violation cannot be remedied (such as a violation of WAC 240-15-015) or Purchaser fails to remedy the violation within 30 days after receipt of a suspension notice, the State may terminate the rights of Purchaser under this contract and collect damages.
- b. If the contract expires pursuant to clause G-030 or G-031 without Purchaser having performed all its duties under this contract, Purchaser's right to operate is terminated and Purchaser shall not have the right to remedy the breach. This provision shall not relieve Purchaser of any payment obligations.
- c. The State has the right to remedy the breach in the absence of any indicated attempt by Purchaser or if Purchaser is unable, as determined by the State, to

remedy the breach. Any expense incurred by the State shall be charged to Purchaser and shall be paid within 30 days of receipt of billing.

- d. If Purchaser's violation is a result of a failure to make a payment when due, in addition to a. and b. above, interest shall accrue on the unpaid balance at 12 percent per annum, beginning the date payment was due.

G-220 State Suspends Operation

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

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

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

If it reasonably appears that the damage that the State is suffering, or can reasonably be expected to suffer if the operation is allowed to continue, will prevent harvest for a period that will exceed 6 months, and Purchaser has complied with this contract, the provisions of clause G-066 shall govern just as if the harvest was prevented by an applicable foreign or domestic governmental regulation or order.

G-230 Unauthorized Activity

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

G-240 Dispute Resolution

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

- a. In the event of a dispute, Purchaser must make a written request to the Region Manager for resolution prior to seeking other relief.
- b. The Region Manager will issue a written decision on Purchaser's request within ten business days.

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

G-250 Compliance with All Laws

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

G-260 Venue

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

G-270 Equipment Left on State Land

All equipment owned or in the possession of Purchaser, its employees, agents, or invitees, including independent contractors, shall be removed from the sale area and other State land by the termination date of this contract. Equipment remaining unclaimed on State land 60 days after the expiration of the contract period is subject to disposition as provided by law. Purchaser shall pay to the State all costs of moving, storing, and disposing of such equipment. The State shall not be responsible for any damages to or loss of the equipment or damage caused by the moving, storing or disposal of the equipment.

G-280 Operating Release

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

G-310 Road Use Authorization

Purchaser is authorized to use the following State roads and roads for which the State has acquired easements and road use permits; the S2100, S2150, S2151, S4000, and S4008. The State may authorize in writing the use of other roads subject to fees, restrictions, and prior rights.

G-330 Pre-work Conference

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

G-340 Preservation of Markers

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

G-360 Road Use Reservation

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

G-370 Blocking Roads

Purchaser shall not block the S4000 road, unless authority is granted in writing by the Contract Administrator.

G-430 Open Fires

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

G-450 Encumbrances

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

Lease, including the terms and provisions thereof,
For: Permit Range
In Favor of: Neil and Jill Kayser
Disclosed by Application No.: 11-A74832
Granted: 1/1/2013
Expires: 12/31/2022

Lease, including the terms and provisions thereof,
For: Permit Range

In Favor of: Neil and Jess Kayser
Disclosed by Application No.: 11-B74716
Granted: 1/1/2013
Expires: 12/31/2022

Easement, including the terms and provisions thereof,
For: Overhead Power Lines
In Favor of: Klickitat County PUD No. 1
Disclosed by Application No.: 50-021727
Granted: 10/4/1951
Expires: Indefinite

Easement, including the terms and provisions thereof,
For: Overhead Power Lines
In Favor of: Klickitat County PUD No. 1
Disclosed by Application No.: 50-021728
Granted: 10/4/1951
Expires: Indefinite

Easement, including the terms and provisions thereof,
For: Road
In Favor of: WA State Department of Natural Resources
Disclosed by Application No.: 50-028094*
Granted: 3/8/1963
Expires: Indefinite

Easement, including the terms and provisions thereof,
For: Road
In Favor of: John Hancock Life Insurance Company (successor in interest to St. Regis Paper Company)
Disclosed by Application No.: 50-028767
Granted: 2/25/1963
Expires: Indefinite

Easement, including the terms and provisions thereof,
For: County Road
In Favor of: Klickitat County
Disclosed by Application No.: 50-CR1673
Granted: 9/30/1939
Expires: Indefinite

Easement, including the terms and provisions thereof,
For: County Road
In Favor of: Klickitat County
Disclosed by Application No.: 50-CR1674
Granted: 9/21/1939

Expires: Indefinite

Water Right, including the terms and provisions thereof,
For: Stream
In Favor of: WA State Department of Natural Resources
Disclosed by Application No.: 78-004401
Granted: 5/15/1974
Expires: Indefinite

Special Notations:

Property is subject to Commissioner's Order #201225 dated August 22, 2012 for Forest Health Hazard Warning Designation.

Property is within the Glenwood Agreement Area under 55-000023 (dated February 1, 1963).

*DNR to DNR road easement sent to Rights of Way program for cancellation.

Section P: Payments and Securities

P-010 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 the 'Payment for Forest Products' clause, 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-024 Payment for Forest Products

Purchaser agrees to pay the following rate per ton for forest products conveyed plus \$47,783.00 on day of sale and \$1.33 per ton upon removal in fees. Fees collected shall be retained by the state unless the contract is adjusted via the G-066 clause.

DATA MISSING

Species that are conveyed but are not listed in the table above shall be paid for at a rate to be determined by the State.

P-026 Lump Sum Payment on Day of Sale

On the day of sale Purchaser shall pay \$1,000.00 for small diameter trees and tops below the Required Removal specification in H-150. The following contract clauses will not apply to the forest products referenced: H-150, H-151, D-030 and all "L" clauses.

P-040 Weighing and Scaling Costs

Purchaser agrees to pay for all scaling and weighing costs for logs and other products sold under this contract. Purchaser also agrees to pay for all costs associated with the transmission and reporting of scale or weight data.

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-052 Payment Procedure

If a third party Log and Load Reporting Service (LLRS) is required by this contract the State will compute and forward to the Purchaser statements of charges provided for in the contract. Purchaser shall deliver payment to the Southeast region office on or before the date shown on the billing statement.

If a third party LLRS is not required by this contract, Purchaser shall pay for forest products removed on a monthly basis. Payments will be submitted to the Southeast region office on or before the fourteenth of the month following the month in which the timber was removed or, according to an alternate payment schedule as approved by the State with at least one payment each month for timber removed. The alternate payment schedule, once approved by the State, shall become part of this contract and may be changed only with written approval of the State.

Payment will be based on the contract rate multiplied by the tons (tonnage contracts) or volume (mbf contracts) removed during the month or payment period. Included with the payment will be a summary report along with all related load tickets and the corresponding certified weight tickets for the payment period. The summary report will be generated using a computer spreadsheet and list the load tickets in ascending numerical order with the corresponding ticket number and weight or volume for each load.

P-070 Payment for Products: Damage, Theft, Loss or Mismatch

Forest products included in this agreement which are destroyed, damaged, stolen, lost, or mismatched shall be paid for by Purchaser on demand of the State. The rates contained in clause P-024 shall apply.

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 \$42,200.00. 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 L: Log Definitions and Accountability

L-060 Load Tickets

Purchaser shall complete and use load tickets as directed by the Contract Administrator and, if required, use other identification as directed by the State to ensure accounting of forest products removed from the sale area. A load ticket must be fixed, as designated by the Contract Administrator, to each truck and trailer load prior to leaving the landing.

Purchaser shall account for all load tickets issued by the Contract Administrator. The State may treat load tickets not accounted for as lost forest products. All costs associated with computing the billings for lost loads shall be borne by Purchaser.

L-071 Log and Load Reporting Service

This contract requires the use of a State approved third party Log and Load Reporting Service (LLRS). Purchaser shall ensure log volume measurement data and/or load and weight data is received by the LLRS within of logs being measured or weighed. Purchaser agrees to pay the LLRS for log and load data supplied to the State.

If during the term of this contract, the State discontinues use of the LLRS, the State will notify the Purchaser in writing and the Purchaser will then be responsible to send log scale and/or weight information to the State.

L-110 State Approval of Log Scaling and Weighing Locations

Forest Product measurement and weighing facilities required by this contract must be approved by the State. Forest products sold under the contract which require log scaling shall be scaled, measured, or counted by a State approved third party log scaling organization. Forest products sold under the contract which require weighing shall be weighed at a location that meets Washington State Department of Agriculture approval.

Prior to forest products being hauled, the Contract Administrator must authorize in writing the use of State approved measurement and/or weighing facilities that are at or en-route to final destinations. Forest products from this sale shall be measured or weighed at facilities, which are currently approved for use by the State and are currently authorized for this sale. The State reserves the right to verify load volume and weights with State employees or contractors at the State's own expense. The State reserves the right to revoke the authorization of previously approved measurement locations.

Section H: Harvesting Operations

H-010 Cutting and Yarding Schedule

Ground Based Yarding will not be permitted from November 1 to April 30 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.

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 or D-041).

H-012 Leave Tree Damage Definition

Leave trees are trees required for retention within the sale boundary. Purchaser shall protect leave trees from being cut, damaged, or removed during operations.

Leave tree damage exists when more than 5 percent of the leave trees are damaged in a unit and when one or more of the following criteria occur as a result of Purchaser's operation, as determined by the Contract Administrator:

- a. A leave tree has one or more scars on its trunk exposing the cambium layer, which in total exceeds 144 square inches.
- b. A leave tree top is broken or the live crown ratio is reduced below 30 percent.
- c. A leave 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 leave tree has been cut or damaged, the Purchaser may be required to pay liquidated damages for Excessive Leave Tree Damage as detailed in clause D-040.

H-016 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. A skid trail will not exceed 15 feet in width, including rub trees.
- b. Skid trails shall not cover more than 20 percent of the total acreage on one unit.
- c. Location of the skid trails must be marked by Purchaser and 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. Purchaser will not have more than two skid trails open to active skidding at any one time. All other skid trails used for skidding timber will be closed.
- h. Once a skid trail is closed, Purchaser will not reopen a skid trail unless approved in writing by the Contract Administrator.
- i. 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 6 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-025 Timing Requirements for Timber Removal

All cut timber must be removed within 30 days of being felled.

H-030 Timber Falling

Trees shall be felled and logs shall be bucked to obtain the greatest practicable utilization of forest products and other valuable materials conveyed.

H-040 Purchaser Harvest Plan

Purchaser shall, as part of the plan of operations, prepare an acceptable harvest plan for Unit 1. The plan shall address the protection of existing seedlings as part of H-011, which are part(s) of this contract. The harvest plan shall be approved by the Contract Administrator prior to beginning the harvest operation. Purchaser shall not deviate from the harvest plan without prior written approval by the Contract Administrator.

H-052 Branding and Painting

Forest products shall be branded with a brand furnished by the State prior to removal from the landing. All purchased timber shall be branded in a manner that meets the requirements of WAC 240-15-030(2)(a)(i). All timber purchased under a contract designated as export restricted shall also be painted in a manner that meets the requirements of WAC 240-15-030(2)(a)(ii).

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

H-080 Snags Not to be Felled

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

H-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-130 Hauling Schedule

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

H-140 Special Harvest Requirements

Purchaser shall accomplish the following during the harvest operations:

Directional fall and skid timber while preserving and protecting as much as possible the existing Douglas-fir seedlings in Unit 1.

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

H-150 Required Removal of Forest Products

Purchaser shall remove from the sale area and present for scaling or weighing all forest products conveyed in the G-010 clause that meet the following minimum dimensions:

Species	Net bd ft	Log length (ft)	Log dib
Ponderosa pine	20	16	6

The State may treat failure to remove forest products left on the sale area that meet the above specifications as a breach of this contract. At the State's option, forest products that meet the above specifications and are left on the sale area may be scaled for volume or measured and converted to weight by the State or a third party scaling organization and billed to Purchaser at the contract payment rate. All costs associated with scaling, measuring and computing the billing will be borne by the Purchaser.

H-160 Mismatch

Mismatch is defined as forest products remaining on the sale area that would have met the specifications in clause H-150 if bucking lengths had been varied to include such products.

The State may treat mismatch as a breach of this contract. At the State's option, forest products that are left on the sale area may be scaled for volume by the State or a third party scaling organization and billed to Purchaser at the contract payment rate. All costs associated with scaling and computing the billing will be borne by Purchaser.

H-180 Removal of Specialized Forest Products or Firewood

Prior to the removal of conveyed specialized forest products or firewood from the sale area, Purchaser and the State shall agree in writing to the method of accounting for/and removal of such products.

H-190 Completion of Settings

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

H-220 Protection of Residual or Adjacent Trees

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

Section C: Construction and Maintenance

C-040 Road Plan

Road construction and associated work provisions of the Road Plan for this sale, dated 3/16/2016 are hereby made a part of this contract.

C-050 Purchaser Road Maintenance and Repair

Purchaser shall perform work at their own expense on the S2150, S2151, and S4008 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 the S2100 and S4000 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 State current Equipment Rate Schedule on file at the region and Olympia offices. The State shall reimburse Purchaser for said costs within 30 days of receipt and approval of the statement.

C-080 Landing Locations Approved Prior to Construction

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

C-140 Water Bars

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

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

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

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

S-010 Fire Hazardous Conditions

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

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

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

S-020 Extreme Hazard Abatement

Purchaser shall provide a written Extreme Hazard Abatement plan that meets the requirements of WAC 332-24 prior to the beginning of logging operations. The plan must be acceptable to the Contract Administrator. The plan will identify how Purchaser will accomplish abatement. Purchaser shall also provide, and keep current, a written timetable for completion of all specified work in the plan. The Contract Administrator's acceptance and approval of Purchaser's hazard abatement plan shall not be construed as any statement or warranty that the hazard abatement plan is adequate for Purchaser's purposes or complies with applicable laws.

S-030 Landing Debris Clean Up

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

S-040 Noxious Weed Control

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

S-060 Pump Truck or Pump Trailer

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

S-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.

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 4 to 6 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, the Purchaser is responsible for notifying the following:

Appropriate Department of Ecology regional office (contact information below).

DNR Contract Administrator

ECY - Northwest Region:

1-425-649-7000

(Island, King, Kitsap, San Juan, Skagit, Snohomish, and Whatcom counties)

ECY - Southwest Region:

1-360-407-6300

(Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, and Wahkiakum counties)

ECY - Central Region:

1-509-575-2490

(Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, and Yakima counties)

ECY - Eastern Region:

1-509-329-3400

(Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, and Whitman counties)

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-010 Liquidated Damages

The clauses in the DAMAGES section of this contract provide for payments by Purchaser to the State for certain breaches of the terms of this contract. These payments are agreed to as liquidated damages and not as penalties. They are reasonable estimates of anticipated harm to the State 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.

D-021 Failure to Remove Forest Products

Purchaser's failure to remove all or part of the forest products sold in this agreement prior to the expiration of the contract term results in substantial injury to the State. The value of the forest products sold at the time of breach is not readily ascertainable. Purchaser's failure to perform disrupts the State's management plans, the actual cost of which is difficult to assess. A resale involves additional time and expense and is not an adequate remedy. Therefore, Purchaser agrees to pay the State as liquidated damages a sum calculated using the following formula:

$$LD = .35V-ID-P+C+A$$

Where:

LD = Liquidated Damage value.

V = The unremoved value at the date of breach of contract. The value is determined by subtracting the removal tonnage to date from the cruised tonnage multiplied by the contract bid rates.

ID = Initial Deposit paid at date of contract that has not been applied to timber payments.

P = Advance payments received but not yet applied to specific contract requirements.

C = Charges assessed for contract requirements completed prior to breach of contract but not paid for.

A = Administrative Fee = \$2,500.00.

The above formula reflects the Purchaser's forfeiture of the initial deposit in accordance with clause P-010 by deducting the initial deposit from the amount owed. In no event shall the liquidated damages be less than zero. Interest on the liquidated damage is owed from the date of breach until final payment, calculated using the following formula: $\text{Interest} = r \times \text{LD} \times N$.

Where:

r = daily equivalent of an annual interest at current interest rate as established by WAC 332-100-030.

LD = Liquidated damage value.

N = Number of days from date of breach to date payment is received.

D-030 Inadequate Log Accountability

Removal of forest products from the sale area without adequate branding and/or valid load tickets attached to the load and scaling forest products in a location other than the facility approved by the State can result in substantial injury to the State. Failure to properly account for loads and scaling and/or weighing information can result in loss to the State. The potential loss from not having proper branding, ticketing, scaling and/or weighing location and accountability is not readily ascertainable. Purchaser's failure to perform results in a loss of log weight and scale accountability, increases the potential for unauthorized removal of forest products, and increases the State's administration costs, the actual costs of which are difficult to assess.

Enforcement actions for unauthorized removal of forest products for each improperly branded load, improperly ticketed load, lost or unaccounted for tickets, or use of a facility not authorized for this sale or improper submission of scaling data are impractical, expensive, time consuming and are not an adequate remedy. Therefore, Purchaser agrees to pay the State, as liquidated damages, a sum of \$100 each time a load of logs does not have branding as required in the contract, \$250 each time a load of logs does not have a load ticket as required by the contract, \$250 each time a load ticket has not been filled out as required by the plan of operations, \$250 each time a load is weighed or scaled at a location not approved as required under this contract, \$250 each time a log ticket summary report is not submitted properly, and if a third party Log and Load Reporting Service is required, \$250 each time scaling or weight data is not properly submitted to the Log and Load Reporting Service per clause L-071, and \$250 each time a ticket is either lost or otherwise unaccounted for.

D-040 Leave Tree Excessive Damage

When Purchaser's operations exceed the damage limits set forth in clause H-012, Leave Tree Damage Definition, the trees damaged result in substantial injury to the State. The value of the damaged leave trees at the time of the breach is not readily ascertainable. Therefore, Purchaser agrees to pay the State as liquidated damages at the rate of \$500.00 per tree for all damaged trees in Unit 1 and Unit 2.

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

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

Purchaser

Todd Welker
Southeast Region Manager

Date: _____
Address: _____

Date: _____

CORPORATE ACKNOWLEDGEMENT

STATE OF _____)

_____)

COUNTY OF _____)

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

_____ to me known to be the _____ of the corporation that

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

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

Notary Public in and for the State of

My appointment expires _____



WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

FOREST EXCISE TAX ROAD SUMMARY SHEET

Region:

Timber Sale Name:

Application Number:

EXCISE TAX APPLICABLE ACTIVITIES

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

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

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

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

Pre-Haul Maintenance: **linear feet**
Existing road to receive maintenance work (specifically required by the contract) prior to haul

EXCISE TAX EXEMPT ACTIVITIES

Temporary Optional Construction: **linear feet**
Optional roads to be constructed and then abandoned

Temporary Optional Reconstruction: **linear feet**
Optional roads to be reconstructed and then abandoned

New Abandonment: **linear feet**
Abandonment of roads constructed or reconstructed under the contract

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

(Revised 4/09)

Cruise Narrative

Sale Name: Camp Draper	Region: Southeast
App. #: 30-092221	District: Klickitat
Lead Cruiser: K. Bailey	Completion date: 3/17/16
Other Cruisers: BF, EC, MM	

Unit acreage specifications:

Unit #	Cruised acres	Cruised acres agree with sale acres? Yes/No	If acres do not agree explain why.
1	252	YES	
2	4	YES	
Total	256		

Unit cruise specifications:

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, full/half)	Sighting height (4.5 ft, 16 ft.)	Grid size (Plot spacing or % of area)	Plot ratio (Cru./Tally)	Total number of plots
1	VP	27.78	4.5	250' X 250'	1:1	175
2	VP	20	4.5	150' X 150'	Cruise All	8

Sale/Cruise Description:

Minor species cruise intensity:	There are no minor species to be removed in this sale. 100% Ponderosa Pine.					
Minimum cruise spec:	40% Of Form- Factor at 16 feet D.O.B or 5 inch Top, and merchantable top.					
Avg. ring count by sp:	DF =		WH =		SS =	
Leave/take tree description:	Leave trees are marked with a blue band at DBH. No Douglas-fir or grand fir to be harvested.					

Field observations:

This is located to the Southwest of Glenwood, WA. It is well roaded and there are no gates. With very gentle slopes, this sale should provide for good ground based logging techniques. The pine is 100% marked to leave with a blue band at DBH. The only species to be removed from this sale is Ponderosa pine, all other species are to leave. The average tree was 15.5" at DBH with 68' feet of bole. The quality of the timber was good and seemed very average for this area. Defect was fairly minimal and consisted of forked tops, crooks, spike knots, sweep, scaring and some light mistletoe.

Grants: 08

Prepared by: K. Bailey

Title: Timber Cruiser

Species, Sort Grade - Board Foot Volumes (Project)

T06N R12E S08 Ty00U1 252.00 T06N R12E S08 Ty00U2 4.00	Project: CAMPDRAP Acres 256.00	Page 1 Date 3/17/2016 Time 1:37:43PM
--	---	--

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	
									5-5	6-11	12-15	16+	12-20	21-30	31-35	36-99					
PP	CU	CU			100.0		30										1	7		0.00	15.3
PP	D	4S		29	2.1	3,169	3,103	794			84	16		0	14	86	38	13	243	1.60	12.8
PP	D	5S		49	4.3	5,430	5,194	1,330		100				1	3	44	34	8	86	0.74	60.6
PP	D	6S		19	.9	1,936	1,919	491	100					11	29	21	29	5	31	0.31	62.1
PP	D	UT		3		300	300	77	67	30	3			29	24	19	23	6	32	0.34	9.5
PP Totals				100	3.2	10,865	10,516	2,692	20	50	25	5	3	8	30	59	29	7	66	0.64	160.2
Totals					3.2	10,865	10,516	2,692	20	50	25	5	3	8	30	59	29	7	66	0.64	160.2

TC PSTATS			PROJECT STATISTICS					PAGE	1			
			PROJECT		CAMPDRAP			DATE	3/17/2016			
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
06N	12E	08	CAMPDRAP	00U1	256.00	183	734	S	W			
06N	12E	08	CAMPDRAP	00U2								
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			183	734	4.0							
CRUISE			89	404	4.5	21,608	1.9					
DBH COUNT REFOREST												
COUNT			78	330	4.2							
BLANKS			16									
100 %												
STAND SUMMARY												
			SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
PONDEROS			404	84.4	15.5	68	28.1	110.7	10,865	10,516	2,955	2,949
TOTAL			<i>404</i>	<i>84.4</i>	<i>15.5</i>	<i>68</i>	<i>28.1</i>	<i>110.7</i>	<i>10,865</i>	<i>10,516</i>	<i>2,955</i>	<i>2,949</i>
CONFIDENCE LIMITS OF THE SAMPLE												
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR												
CL	68.1	COEFF	SAMPLE TREES - BF				# OF TREES REQ.	INF. POP.				
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
PONDEROS			76.3	3.8	186	193	201					
TOTAL			<i>76.3</i>	<i>3.8</i>	<i>186</i>	<i>193</i>	<i>201</i>	233	58	26		
CL	68.1	COEFF	SAMPLE TREES - CF				# OF TREES REQ.	INF. POP.				
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
PONDEROS			65.0	3.2	51	53	55					
TOTAL			<i>65.0</i>	<i>3.2</i>	<i>51</i>	<i>53</i>	<i>55</i>	169	42	19		
CL	68.1	COEFF	TREES/ACRE				# OF PLOTS REQ.	INF. POP.				
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
PONDEROS			80.0	5.9	79	84	89					
TOTAL			<i>80.0</i>	<i>5.9</i>	<i>79</i>	<i>84</i>	<i>89</i>	256	64	28		
CL	68.1	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.	INF. POP.				
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
PONDEROS			70.2	5.2	105	111	116					
TOTAL			<i>70.2</i>	<i>5.2</i>	<i>105</i>	<i>111</i>	<i>116</i>	197	49	22		
CL	68.1	COEFF	NET BF/ACRE				# OF PLOTS REQ.	INF. POP.				
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
PONDEROS			71.6	5.3	9,960	10,516	11,072					
TOTAL			<i>71.6</i>	<i>5.3</i>	<i>9,960</i>	<i>10,516</i>	<i>11,072</i>	204	51	23		
CL	68.1	COEFF	NET CUFT FT/ACRE				# OF PLOTS REQ.	INF. POP.				
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
PONDEROS			70.5	5.2	2,796	2,949	3,103					
TOTAL			<i>70.5</i>	<i>5.2</i>	<i>2,796</i>	<i>2,949</i>	<i>3,103</i>	199	50	22		
CL	68.1	COEFF	V BAR/ACRE				# OF PLOTS REQ.	INF. POP.				
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
PONDEROS					90	95	100					
TOTAL			<i>70.9</i>	<i>5.2</i>	<i>90</i>	<i>95</i>	<i>100</i>	201	50	22		

T06N R12E S08 T00U2	T06N R12E S08 T00U2
Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt	BdFt
06N 12E 08 CAMPDRAP 00U2 4.00 8 34 S	W

S T	So rt	Gr ad	%	Bd. Ft. per Acre				Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre	
									Net BdFt	Def%	Gross	Net	Log Scale Dia.				Log Length					Ln Ft
				5-5	6-11	12-15	16+						12-20	21-30	31-35	36-99						
PP	CU	CU		100.0		62												5	7		0.00	8.1
PP	DM	4S	50	3.3	4,481	4,334	17			81	19				38	62		36	14	249	1.74	17.4
PP	DM	5S	43	5.6	3,940	3,717	15		100				1	4	30	65		34	9	93	0.84	39.8
PP	DM	6S	5		508	508	2	100						24	44	32		32	5	33	0.34	15.3
PP	DM	UT	2		98	98	0	68	32				14	86				21	5	19	0.33	5.1
PP	Totals		100	4.8	9,089	8,657	35	7	43	41	9	1	4	34	61			31	9	101	0.93	85.7
Type	Totals			4.8	9,089	8,657	35	7	43	41	9	1	4	34	61			31	9	101	0.93	85.7

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	CAMPDRAP			DATE	3/17/2016	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
06N	12E	08	CAMPDRAP	00U1	252.00	175	700	S	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
				PLOTS	TREES	TREES	TREES			
TOTAL		175	700	4.0						
CRUISE		81	370	4.6	21,453		1.7			
DBH COUNT										
REFOREST										
COUNT		78	330	4.2						
BLANKS		16								
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
PONDEROS	370	85.1	15.5	68	28.3	111.1	10,893	10,546	2,963	2,957
TOTAL	370	85.1	15.5	68	28.3	111.1	10,893	10,546	2,963	2,957
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL:	68.1 %	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	75.6	4.0		178	186	193				
TOTAL	75.6	4.0		178	186	193	228	57	25	
CL:	68.1 %	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	65.1	3.4		49	51	53				
TOTAL	65.1	3.4		49	51	53	169	42	19	
CL:	68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	76.8	5.8		80	85	90				
TOTAL	76.8	5.8		80	85	90	235	59	26	
CL:	68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	67.7	5.1		105	111	117				
TOTAL	67.7	5.1		105	111	117	183	46	20	
CL:	68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	69.1	5.2		9,995	10,546	11,096				
TOTAL	69.1	5.2		9,995	10,546	11,096	191	48	21	
CL:	68.1 %	COEFF	NET CUFT FT/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	68.1	5.1		2,805	2,957	3,109				
TOTAL	68.1	5.1		2,805	2,957	3,109	185	46	21	
CL:	68.1 %	COEFF	V-BAR/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS				90	95	100				
TOTAL	207.5	15.7		90	95	100	1,719	430	191	

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	CAMPDRAP			DATE	3/17/2016	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
06N	12E	08	CAMPDRAP	00U2	4.00	8	34	S	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		8	34	4.3						
CRUISE		8	34	4.3	155		21.9			
DBH COUNT										
REFOREST										
COUNT										
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
PONDEROS	34	38.9	20.0	72	19.0	85.0	9,089	8,657	2,471	2,448
TOTAL	34	38.9	20.0	72	19.0	85.0	9,089	8,657	2,471	2,448
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL:	68.1 %	COEFF	SAMPLE TREES - BF				# OF TREES REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	70.8	12.1		241	274	307				
TOTAL	70.8	12.1		241	274	307	200	50	22	
CL:	68.1 %	COEFF	SAMPLE TREES - CF				# OF TREES REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	53.9	9.2		68	75	82				
TOTAL	53.9	9.2		68	75	82	116	29	13	
CL:	68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	72.0	27.1		28	39	49				
TOTAL	72.0	27.1		28	39	49	236	59	26	
CL:	68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	69.7	26.3		63	85	107				
TOTAL	69.7	26.3		63	85	107	221	55	25	
CL:	68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	78.1	29.5		6,108	8,657	11,207				
TOTAL	78.1	29.5		6,108	8,657	11,207	278	69	31	
CL:	68.1 %	COEFF	NET CUFT FT/ACRE				# OF PLOTS REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	72.3	27.3		1,781	2,448	3,115				
TOTAL	72.3	27.3		1,781	2,448	3,115	238	59	26	
CL:	68.1 %	COEFF	V-BAR/ACRE				# OF PLOTS REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PONDEROS	78.1	29.5		72	102	132				
TOTAL	78.1	29.5		72	102	132	278	69	31	

Species Summary - Trees, Logs, Tons, CCF, MBF

T06N R12E S08 Ty00U1	252.0
T06N R12E S08 Ty00U2	4.0

Project **CAMPDRAP**
Acres **256.00**

Page No **1**
Date: **3/17/2016**
Time **1:37:44PM**

Species	Total	Total	Total	Net Cubic Ft/		CF/	Total CCF		Total MBF	
	Trees	Logs	Tons	Tree	Log	LF	Gross	Net	Gross	Net
PONDEROS	21,608	37,075	18,156	34.94	20.36	0.64	7,565	7,550	2,781	2,692
Totals	21,608	37,075	18,156	34.94	20.36	0.64	7,565	7,550	2,781	2,692

Wood Type Species	Total	Total	Total	Net Cubic Ft/		CF/	Total CCF		Total MBF	
	Trees	Logs	Tons	Tree	Log	LF	Gross	Net	Gross	Net
C	21,608	37,075	18,156	34.94	20.36	0.64	7,565	7,550	2,781	2,692
Totals	21,608	37,075	18,156	34.94	20.36	0.64	7,565	7,550	2,781	2,692

COPY



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

FPA/N No: 2706088
Effective Date: 7/8/2016
Expiration Date: 7/8/2019
Shut Down Zone: 609W
EARR Tax Credit: Eligible [] Non-eligible
Reference: DNR-Camp Draper
T6R12E sec 8,9

**Forest Practices Application/Notification
Notice of Decision**

Decision

- Notification Operations shall not begin before the effective date.
- Approved This Forest Practices Application is subject to the conditions listed below.
- Disapproved This Forest Practices Application is disapproved for the reasons listed below.
- Closed Applicant has withdrawn FPA/N.

FPA/N Classification

Class II Class III Class IVG Class IVS

Number of Years Granted on Multi-Year Request

4 years 5 years

Conditions on Approval / Reasons for Disapproval

No Conditions.

NOTE: Western Gray Squirrels (WGS) and/or WGS habitat may exist within or adjacent to the FPA proposal. WGS is a protected species in Washington (WAC 232-12-011). For assistance in protecting any WGS nests or habitat, contact Amber Johnson from WDFW at (360) 701-2738. For additional information see WDFW's internet web page for the Western Gray Squirrel: http://wdfw.wa.gov/conservation/gray_squirrel/

Issued By: Steve Crow

Region: Southeast

Title: Forest Practices Forester

Date: 7/8/2016

Copies to: Landowner, Timber Owner and Operator.

Issued in person: Landowner Timber Owner Operator By: _____

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES
CAMP DRAPER TIMBER SALE ROAD PLAN
Klickitat County
Klickitat District

AGREEMENT NO.: 30-092221

STAFF ENGINEER: T. D. BAKER

DATE: MARCH 16, 2016

SECTION 0 – SCOPE OF PROJECT

0-1 ROAD PLAN SCOPE

Clauses in this road plan apply to all road related work, including landings, 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>	<u>Description</u>
S2100	0+00 to 58+13	Pre-haul Maintenance	Spot Rocking and Rocking
S2150	0+00 to 26+71	Pre-haul Maintenance	Grading and shaping existing road surface and turnouts
S2151	0+00 to 17+55	Pre-haul Maintenance	Brushing right of way; right of way debris disposal, grading and shaping existing road surface and turnouts.
S2151	17+55 to 38+33	Reconstruction	See Clause 0-5
S4008	0+00 to 4+68	Pre-haul Maintenance	Brushing right of way; right of way debris disposal, grading and shaping existing road surface and turnouts.
S4008	4+68 to 5+96	Reconstruction	See Clause 0-5
S4008	5+96 to 15+47	Pre-haul Maintenance	Brushing right of way; right of way debris disposal, grading and shaping existing road surface and turnouts.

0-5 RECONSTRUCTION

Reconstruction includes, but is not limited to clearing, grubbing, right of way debris disposal, realigning road segments, widening road segments, construction of turnarounds, compaction of road surface, and abandonment.

0-6 PRE-HAUL MAINTENANCE

Pre-haul maintenance includes, but is not limited to brushing right of way; right of way debris disposal; grading and shaping existing road surface and turnouts, and spot rocking.

0-9 ABANDONMENT

This project includes, but is not limited to abandonment listed in Clause 9-20 ROAD ABANDONMENT.

SECTION 1 – GENERAL

1-1 ROAD PLAN CHANGES

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

1-2 UNFORESEEN CONDITIONS

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

1-3 ROAD DIMENSIONS

Unless controlled by construction stakes, roads shall be constructed in accordance with the dimensions shown on the TYPICAL SECTION SHEET and the specifications within this road plan.

1-4 ROAD TOLERANCES

Roads shall be constructed within the tolerance listed below. The tolerance class for each road is listed on the TYPICAL SECTION SHEET.

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

1-6 ORDER OF PRECEDENCE

Any conflict or inconsistency in the Road Plan shall be resolved by giving the documents precedence in the following order:

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

In case of any ambiguity or dispute over interpreting the Road Plan, the Contract Administrator’s or designee’s decision will be final.

SUBSECTION TIMING

1-20 COMPLETE BY DATE

Reconstruction and pre-haul maintenance shall be completed before the start of timber haul.

1-21 HAUL APPROVAL

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

SUBSECTION RESTRICTIONS

1-25 ACTIVITY TIMING RESTRICTIONS

The specified activities are not permitted during the listed closure period unless authorized in writing by the Contract Administrator.

<u>Roads</u>	<u>Activities</u>	<u>Closure Period</u>
All	Road Work	October 31 to May 1

1-26 OPERATING DURING CLOSURE PERIOD

If permission is granted to operate during a closure period, the Purchaser shall provide a maintenance plan to include further protection of state resources. The Contract Administrator must approve the maintenance plan, in writing, before operation in the closure period.

1-29 SEDIMENT RESTRICTION

Silt-bearing runoff shall not be permitted to go into streams.

1-30 CLOSURE TO PREVENT DAMAGE

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

- Wheel track rutting exceeds 1 inches on jaw run rock roads.
- Wheel track rutting exceeds 4 inches on native surface roads.
- Surface or base stability problems persist.
- Weather is such that satisfactory results cannot be obtained in an area of operations.
- In the opinion of the Contract Administrator excessive road damage or rutting may occur.

Operations must stop unless authority to continue working or hauling is granted, in writing, by the Contract Administrator. In the event that surface or base stability problems persist, the Purchaser will be required to cease operations, or perform corrective maintenance or repairs, subject to specifications within this road plan.

1-33 SNOWPLOWING RESTRICTIONS

Snowplowing shall be permitted only after the execution of a SNOW PLOWING AGREEMENT, which is available from the Contact Administrator upon request.

SECTION 2 – MAINTENANCE

2-1 GENERAL ROAD MAINTENANCE

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

2-2 ROAD MAINTENANCE – PURCHASER MAINTENANCE

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

2-3 ROAD MAINTENANCE – DESIGNATED MAINTAINER

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

SECTION 3 – CLEARING, BRUSHING, GRUBBING, AND DISPOSAL
BRUSHING

3-1 BRUSHING

On the following roads, Purchaser shall cut vegetative material up to 3 inches in diameter, including limbs, as shown on the BRUSHING DETAIL. Brushing must be achieved by mechanical cutting of brush, trees, and branches. Purchaser shall remove brushing debris from the road surface, ditchlines, and culvert inlets and outlets.

<u>Road</u>	<u>Stations</u>
S2151	0+00 to 17+55
S4008	0+0 to 4+68
S4008	5+96 to 15+47

SUBSECTION CLEARING

3-5 CLEARING

Fell all vegetative material larger than 2 inches DBH or over 5 feet high between the clearing limits specified on the TYPICAL SECTION SHEET. Clearing shall be completed before starting excavation and embankment.

3-8 PROHIBITED DECKING AREAS

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

- Within the grubbing limits.
- In locations that interfere with the reconstruction of the road prism.
- In locations that impede drainage.
- Against standing trees unless approved by the Contract Administrator.

SUBSECTION GRUBBING

3-10 GRUBBING

Remove all stumps between the grubbing limits specified on the TYPICAL SECTION SHEET. Those stumps outside the grubbing limits but with undercut roots shall also be removed. Grubbing shall be completed before starting excavation and embankment.

SUBSECTION ORGANIC DEBRIS

3-20 ORGANIC DEBRIS DEFINITION

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

3-21 DISPOSAL COMPLETION

All disposal of organic debris shall be completed before timber haul.

3-23 PROHIBITED DISPOSAL AREAS

Organic debris shall not be deposited in the following areas:

- On locations where brush will fall into the ditch or onto the road surface.
- Against standing timber.

3-24 BURYING DEBRIS RESTRICTED

Organic debris shall not be buried unless otherwise stated in this plan.

3-25 SCATTERING DEBRIS

Contractor shall scatter organic debris outside of the clearing limits.

SECTION 4 – EXCAVATION

4-2 PIONEERING

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

- Drainage shall be provided on all uncompleted reconstruction.
- Road pioneering operations shall not undercut the final cut slope or restrict drainage.

4-3 ROAD GRADE AND ALIGNMENT STANDARDS

The following road grade and alignment standards shall be followed:

- Grade and alignment shall have smooth continuity, without abrupt changes in direction.
- Maximum grade shall not exceed 8 percent favorable and 10 percent adverse.
- Minimum curve radius is 60 feet at centerline.
- Sag vertical curves shall not have a grade change greater than 6% in 50 feet.
- Crest vertical curves shall not have a grade change greater than 4% in 50 feet.

4-5 CUT SLOPE RATIO

Excavation slopes shall be reconstructed no steeper than shown on the following table:

<u>Material Type</u>	<u>Excavation Slope Ratio</u>	<u>Excavation Slope Percent</u>
Common Earth (on side slopes up to 55%)	1:1	100
Common Earth (56% to 70% side slopes)	¾:1	133
Common Earth (on slopes over 70%)	½:1	200
Fractured or loose rock	½:1	200
Hardpan or solid rock	¼:1	400

4-6 EMBANKMENT SLOPE RATIO

Embankment slopes shall be reconstructed no steeper than shown on the following table:

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

4-7 SHAPING CUT AND FILL SLOPE

Excavation and embankment slopes shall be reconstructed to a uniform line and left rough for easier revegetation.

4-10 WIDEN THE EXISTING SUBGRADE

On the following roads, the Purchaser shall widen the subgrade and fill slopes to the dimensions shown on the TYPICAL SECTION SHEET. If necessary, the Purchaser shall reconstruct excavation slopes to provide sufficient width for the road surface and any ditches. Excavated slopes shall be consistent with Clause 4-5.

<u>Road</u>	<u>Stations</u>
S2151	17+55 to 38+33
S4008	4+68 to 5+96

4-14 ONE-FOOT EXCAVATION LIMIT

On the following roads, where side slopes are 0% to 15%, the cut at centerline shall not exceed one foot.

<u>Road</u>	<u>Stations</u>	<u>Type</u>
S2151	17+55 to 38+33	Reconstruction
S4008	4+68 to 5+96	Reconstruction

SUBSECTION SHAPING

4-50 CONSTRUCTION ROAD SHAPING

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

4-51 DRY WEATHER SHAPING

The Contract Administrator may require the application of additional water to the subgrade, embankment, and/or rock to facilitate shaping activities. The method is subject to approval, in writing, by the Contract Administrator.

SUBSECTION COMPACTION

4-55 FILL COMPACTION

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

4-56 SUBGRADE COMPACTION

Constructed or reconstructed subgrades shall be compacted full width in accordance with the COMPACTION LIST. Subgrade compaction shall be approved, in writing, by the Contract Administrator before timber haul.

4-57 DRY WEATHER COMPACTION

The Contract Administrator may require the application of water to the subgrade embankment and/or rock to facilitate compaction activities. The method is subject to approval, in writing, by the Contract Administrator.

SECTION 6 – ROCK AND SURFACING

SUBSECTION ROCK SOURCE

6-5 ROCK FROM COMMERCIAL SOURCE

Rock used in accordance with the quantities on the ROCK LIST - SURFACING shall be obtained from any commercial source at the Purchaser's expense. Commercial rock shall meet the gradation requirements listed in Clause 6-28. Rock sources are subject to written approval by the Contract Administrator before their use.

6-28 1 ¼-INCH MINUS CRUSHED ROCK

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

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

SUBSECTION SEED

8-25 GRASS SEED

Purchaser shall evenly spread the seed mixture listed below on all exposed soil inside the grubbing limits at a rate of 22 pounds per acre of exposed soil. Grass seed must meet the following specifications:

1. Weed seed may not exceed 0.5% by weight.
2. All seed species must have a minimum 90% germination rate, unless otherwise specified.
3. Seed must be certified.
4. Approximately 15 pounds is needed for the Camp Draper Timber Sale.
5. Seed must be furnished in standard containers showing the following information:
 - a. Common name of seed
 - b. Net weight
 - c. Percent of purity
 - d. Percentage of germination
 - e. Percentage of weed seed and inert material.

Seed must conform to the following mixture	%
Bluebunch Wheatgrass	30%
Idaho Fescue	20%
Poa Secunda	20%
Thickspike Wheatgrass	20%
Blue Flax	5%
White Yarrow	5%

SECTION 9 – POST HAUL ROAD WORK

SUBSECTION STRUCTURES

9-1 EARTH BARRICADES

On the following roads, Purchaser shall construct barricades in accordance with the EARTH BARRICADE DETAIL.

<u>Road</u>	<u>Stations</u>
S4008	2+49

SUBSECTION ABANDONMENT

9-20 ROAD ABANDONMENT

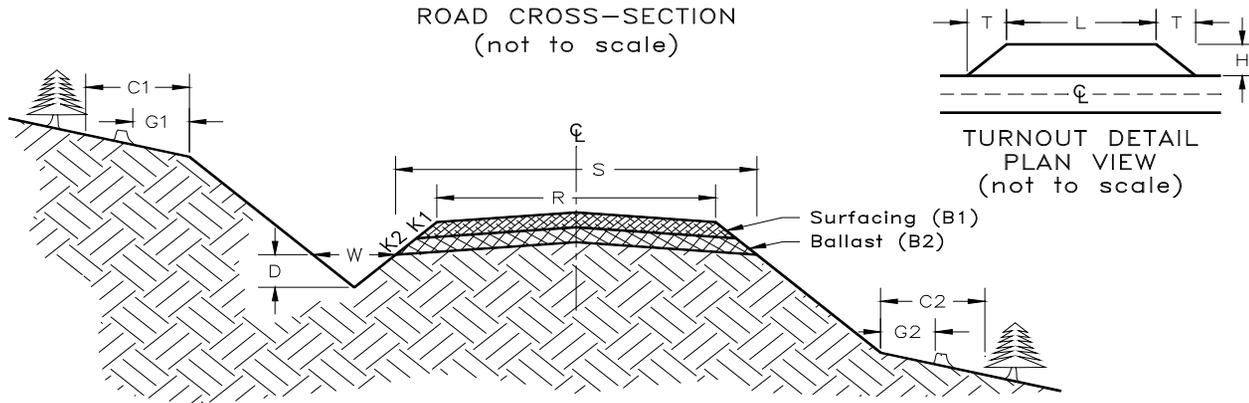
The following roads shall be abandoned by the Purchaser before the termination of this contract.

<u>Road</u>	<u>Stations</u>	<u>Type</u>
S4008	5+96 to 15+47	Light

9-22 LIGHT ABANDONMENT

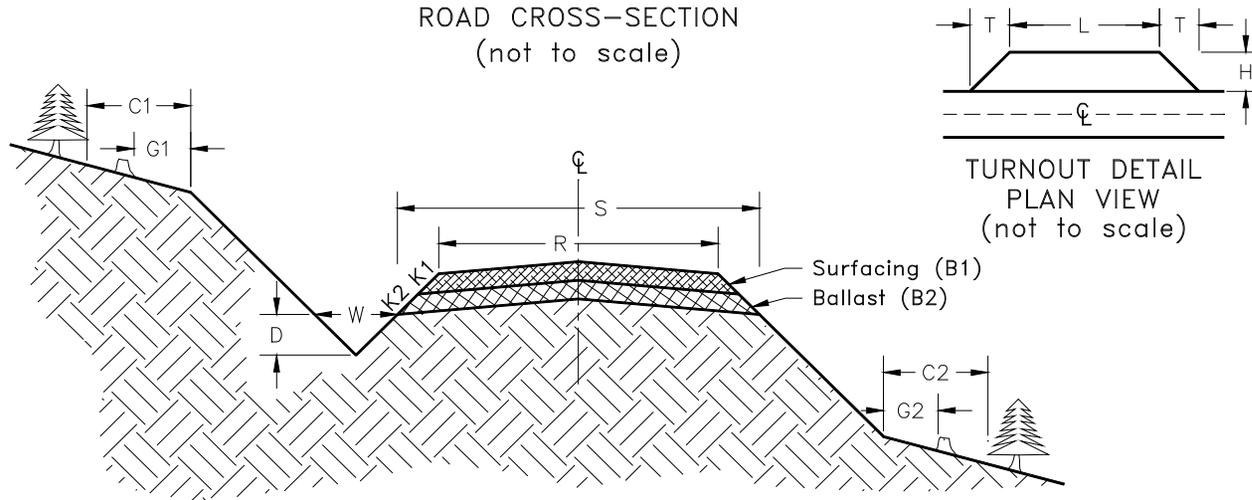
- Rip the surface to a minimum depth of eight inches.
- Apply grass seed
- Scatter woody debris onto abandoned road surfaces.
- Utilize old stumps in conjunction with earth barricade installation to block vehicular access onto the abandoned road surfaces.

TYPICAL SECTION SHEET



ROAD	CONSTRUCTION/ RECONSTRUCTION/ PRE-HAUL	FROM STATION	TO STATION	TOL. CLASS	SUBGRADE WIDTH S	CROWN INCHES @ CENTERLINE	OUTSLOPE INCHES IN 10 FEET	ROAD WIDTH R	DITCH		GRUBBING LIMITS		CLEARING LIMITS	
									WIDTH W	DEPTH D	G1	G2	C1	C2
S2100	PRE-HAUL	0+00	58+13	C		4"		14'						
S2150	PRE-HAUL	0+00	26+71	C	12		4"	12'	NA					NOT POSTED SEE BRUSHING DETAIL
S2151	PRE-HAUL	0+00	17+55	C	12		4"	12'	NA					NOT POSTED SEE BRUSHING DETAIL
S2151	RECONSTRUCTION	17+55	38+33	C	12		4"	12'	NA	1'	1'			NOT POSTED SEE BRUSHING DETAIL
S4008	PRE-HAUL	0+00	4+68	C	12		4"	12'	NA					NOT POSTED SEE BRUSHING DETAIL
S4008	RECONSTRUCTION	4+68	5+96	C	12		4"	12'	NA	1'	1'			NOT POSTED SEE BRUSHING DETAIL
S4008	PRE-HAUL	5+96	15+47	C	12		4"	12'	NA					NOT POSTED SEE BRUSHING DETAIL

ROCK LIST – SURFACING



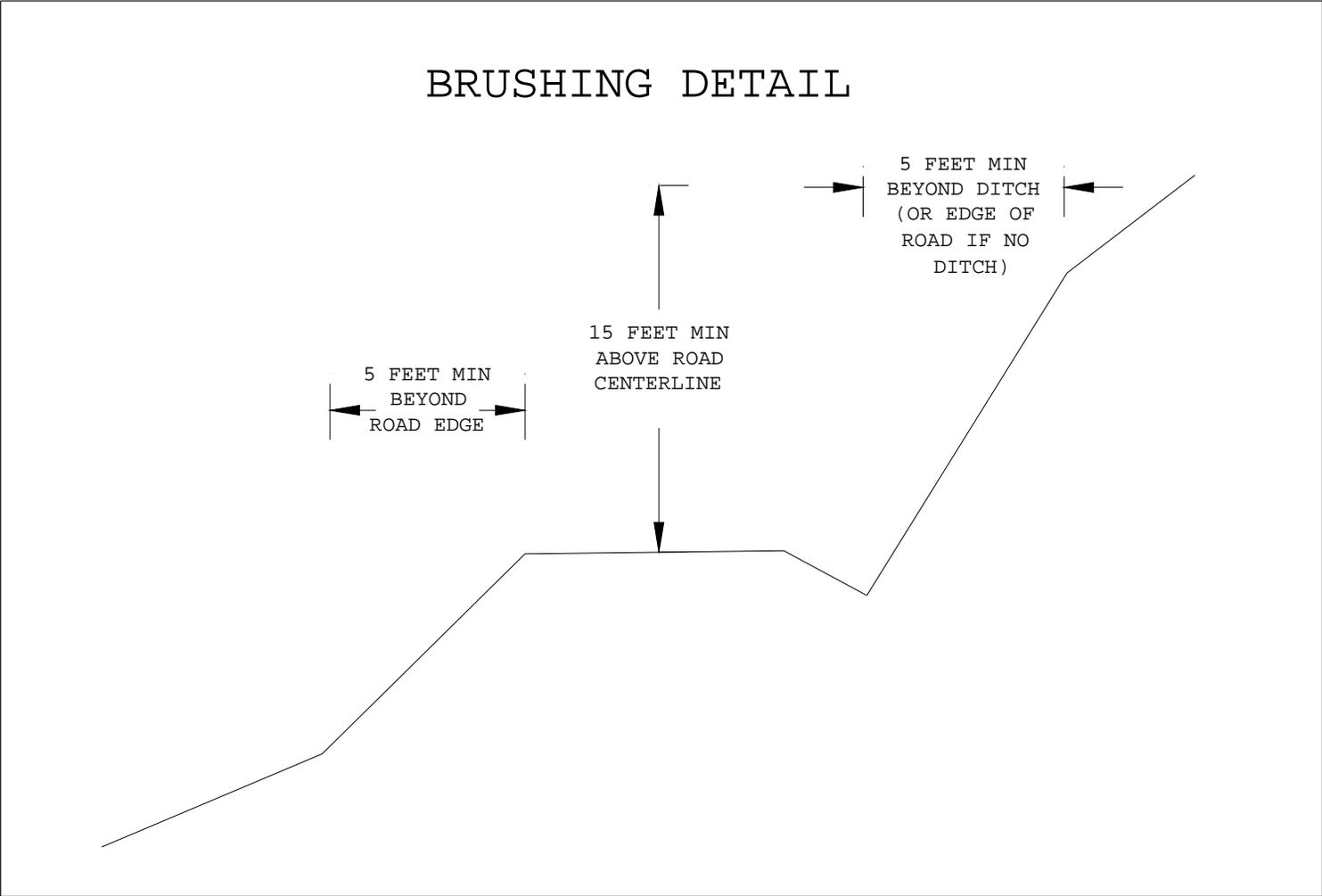
Road Number	From Station	To Station	Road Width R	Compacted Rock Depth B2	C.Y./ Station	# of Stations	C.Y. Subtotal	Rock Source	Turnout		
									Length L	Width H	Taper T
S2100	0+90	1+10	NA	Varies		Spot	10	Commercial			
S2100	11+54	11+74	NA	Varies		Spot	10	Commercial			
S2100	14+70	14+90	NA	Varies		Spot	10	Commercial			
S2100	17+62	19+76	12'	3"	14	2.14	30	Commercial			
S2100	23+35	23+55	NA	Varies		Spot	10	Commercial			
S2100	33+78	35+21	12'	3"	14	1.43	20	Commercial			
S2100	45+10	45+30	NA	Varies		Spot	10	Commercial			
S2100	52+49	52+69	NA	Varies		Spot	10	Commercial			

SURFACE TOTAL 110 Cubic Yards

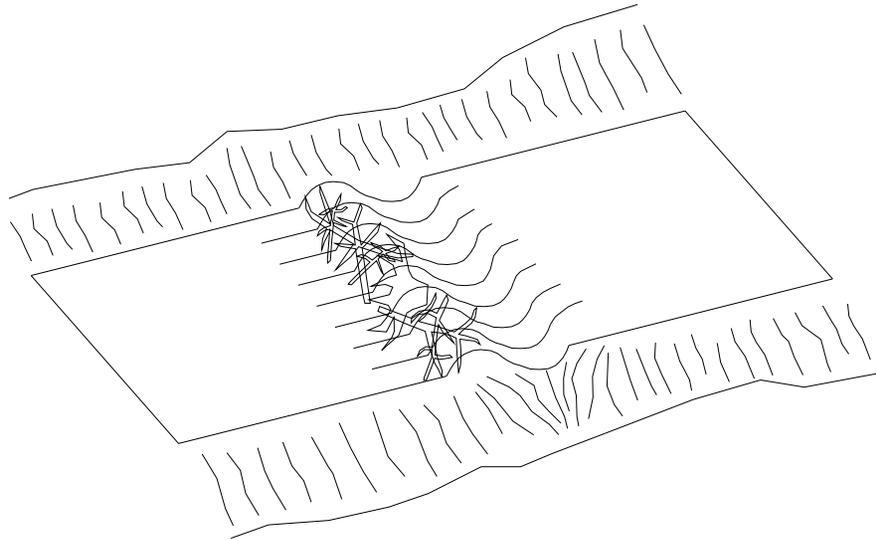
COMPACTION LIST

Road	From Station	To Station	Type	Max Depth Per Lift (inches)	Equipment Type	Equipment Weight (lbs)	Minimum Number of Passes	Maximum Operating Speed (mph)
S2100	0+90	1+10	Surface Rock		Tracked machine compact		3	
S2100	11+54	11+74	Surface Rock		Tracked machine compact		3	
S2100	14+70	14+90	Surface Rock		Tracked machine compact		3	
S2100	17+62	19+76	Surface Rock		Tracked machine compact		3	
S2100	23+35	23+55	Surface Rock		Tracked machine compact		3	
S2100	33+78	35+21	Surface Rock		Tracked machine compact		3	
S2100	45+10	45+30	Surface Rock		Tracked machine compact		3	
S2100	52+49	52+69	Surface Rock		Tracked machine compact		3	
S2151	17+55	38+33	Subgrade		Tracked machine compact		3	
S4008	4+68	5+96	Subgrade		Tracked machine compact		3	

BRUSHING DETAIL

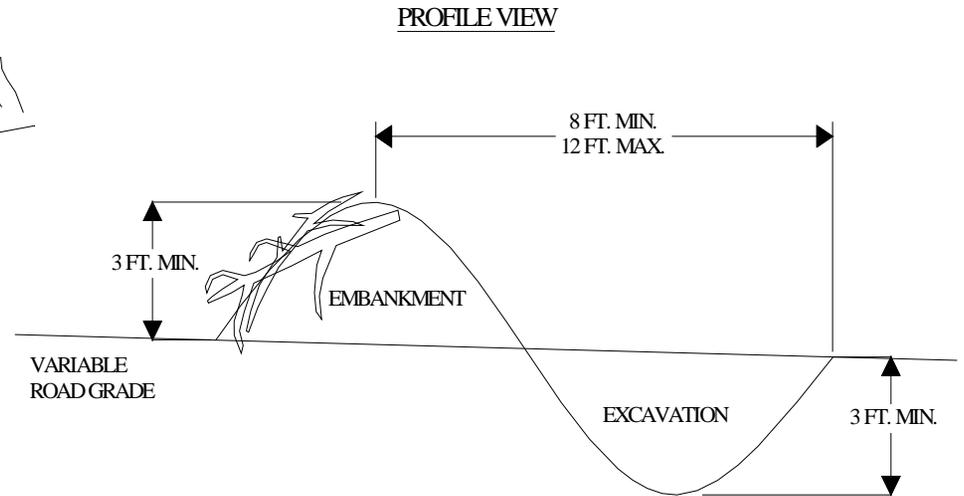


EARTH BARRICADE DETAIL



PLAN VIEW

SLASH AND ROOT WADS SHALL BE INCORPORATED IN THE EMBANKMENT SIDE OF THE EARTH BARRICADE.



PROFILE VIEW

NOTE: EMBANKMENT SIDE OF EARTH BARRICADE SHALL BE PLACED ON SIDE VEHICLE TRAFFIC WILL BE COMING FROM.

BOTTOM OF EXCAVATION SHALL BE OUTSLOPED SO AS TO DRAIN FREELY

FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS

Cuts and Fills

- Maintain slope lines as constructed. 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 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 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 and culverts clear of obstructions and functioning as intended.
- Inspect and clean culverts at least monthly, with additional inspections during storms and periods of high runoff. This shall be done even during periods of inactivity.

Structures

- Repair culverts, bridges, gates, fences, cattle guards, signs, and other road structures as required because of purchaser use.

Preventative Maintenance

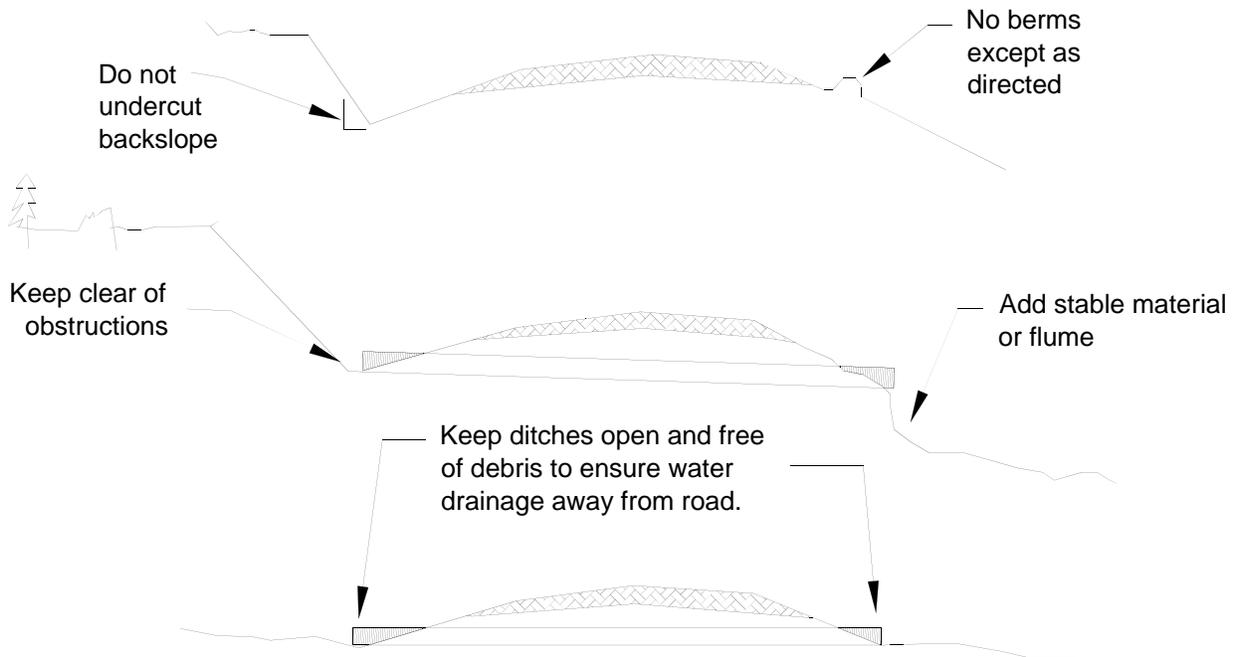
- Perform preventative maintenance work to safeguard against storm damage, such as blading to ensure correct runoff, ditch and culvert cleaning, and waterbar maintenance.

Termination of Use or End of Season

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

Debris

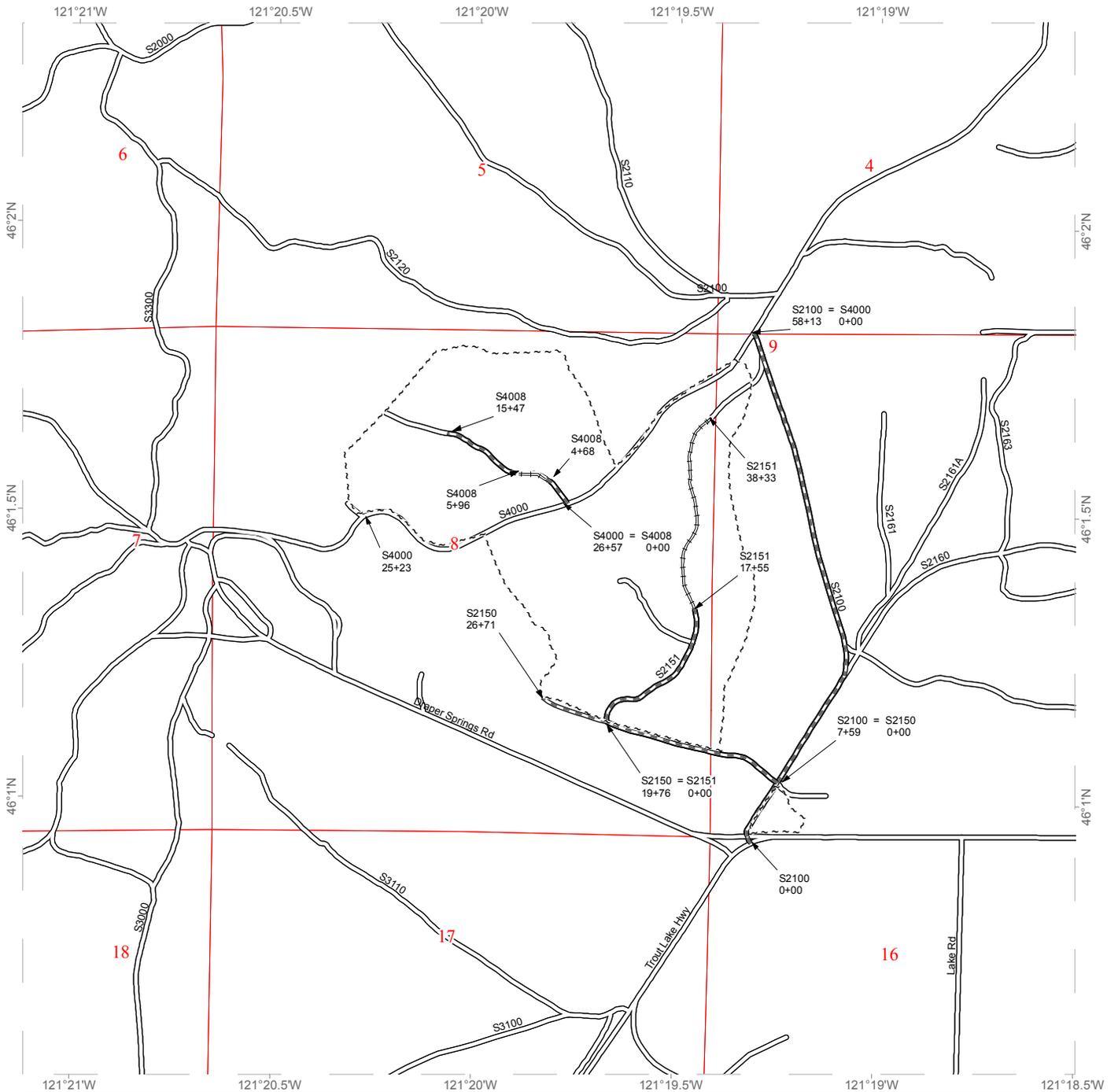
- Remove fallen timber, limbs, and stumps from the slopes, roadway, ditchlines, and culvert inlets.



ROAD PLAN MAP

SALE NAME: Camp Draper
AGREEMENT #: 30-092221
TOWNSHIP: Township 06 North Range 12 East
TRUST: 08

REGION: Southeast
COUNTY: Klickitat
ELEVATION RGE: 1876-2120



- Existing Roads
- Timber Sale Unit Boundary
- Pre-haul Maintenance
- Reconstruction



SOUTHEAST REGION - ROAD COST ESTIMATE - MOBILIZATION

SALE NAME: Camp Draper

CONTRACT NUMBER: 30-09221

PRE-HAUL MOBILIZATION:

Description	\$ per Move	# of Moves	Sub-total
Dump Trucks	\$140	4	\$560.00
Grader	\$230		\$0.00
Compactor	\$275		\$0.00
Excavator	\$575		\$0.00
Dozer (D8)	\$460		\$0.00
Front end loader	\$460		\$0.00
Rock crusher	\$1,725		\$0.00
Drill	\$460		\$0.00
Dozer (D5)	\$365	2	\$730.00
Backhoe	\$275		\$0.00

Total Pre-Haul Mobilization = \$1,290.00

POST-HAUL MOBILIZATION:

Description	\$ per Move	# of Moves	Sub-total
Dump Trucks	\$140		\$0.00
Grader	\$230		\$0.00
Excavator	\$460	2	\$920.00
Dozer (D5)	\$365		\$0.00
Backhoe	\$275		\$0.00

Total Post-Haul Mobilization = \$920.00

Total Mobilization: \$2,210.00

SOUTHEAST REGION - ROAD COST ESTIMATE - RECONSTRUCTION

SALE NAME: Camp Draper

CONTRACT NUMBER: 30-09221

I. CLEARING AND GRUBBING:

	Flat Rate -	% Side Slope	MBF/ac	Disposal Factor	Production Factor	Cost/ Station	Width Factor	Total Stations	Sub Total
S2151		20	30.0	1.00	2.44	\$48	1	20.78	\$2,433.75
S4008		20	30.0	1.00	2.44	\$48	1	1.28	\$149.91

Clear and Grub TOTAL = \$2,433.75

II. EXCAVATION:

	Flat Rate -	% Side Slope	Exc. Type Fact.	Production Factor	Cost/ Station	Width Factor	Total Stations	Sub Total
S2151		20	1.0	2.00	\$72	1.00	20.78	\$2,992.32
S4008		20	1.0	2.00	\$72	1.00	1.28	\$184.32

Excavation TOTAL= \$2,992.32

SHEET TOTAL = \$5,426.07

SOUTHEAST REGION - ROAD COST ESTIMATE - PRE-HAUL MAINTENANCE

SALE NAME: Camp Draper

CONTRACT NUMBER: 30-09221

I. MISC. MAINTENANCE ITEMS:

Road		Cost/ Station	Total Stations	Sub Total
S2150	shaping =	\$14.40	26.71	\$384.62
Road TOTAL =				\$384.62

Road		Cost/ Station	Total Stations	Sub Total
S2151	mechanical brushing =	\$11.40	17.55	\$200.07
	shaping =	\$14.40	17.55	\$252.72
Road TOTAL =				\$452.79

Road		Station	Stations	Total
S4008	mechanical brushing =	\$11.40	14.19	\$161.77
	shaping =	\$14.40	14.19	\$204.34
Road TOTAL =				\$366.10

III. BALLAST AND SURFACING :

Ballast source:
 Surface source: Commercial
 Riprap source :

Description cu.yds/sta x stations = cubic yards
 Ballast (4"-) 0
 Surfacing (1 1/4"-) 1000 Spot Rocking
 Riprap 0

* Haul Formula: (R.T.Miles/MPH+Delay)(\$/hr / Cy/load)

UNIT COSTS	Ballast	Surfacing	Riprap
Drill & Shoot			
Dig and load		\$0.50	
Crushing			
Purchase		\$10.00	
Haul *	#DIV/0!	\$5.55	#DIV/0!
Spread			
Compact			
Strip			
Reclamation			
Use tax	\$0.08	\$0.21	\$0.08
TOTAL (\$/cy)	#DIV/0!	\$16.26	#DIV/0!

R.T. Miles = 14.0			
Ave. Speed = 30	Ballast (4"-)	0 Cu. yds @	\$0.00 /cu. yd = \$0.00
Delay (Hrs.)= 0.1	Surfacing (1 1/4"	1000 Cu. yds @	\$16.26 /cu. yd = \$16,259.60
Cost / Hour = \$98.00	Riprap	0 Cu. yds @	\$0.00 /cu. yd = \$0.00
CY / Load = 10			

Rock total = \$16,259.60

Pre-haul Maintenance Total: \$17,463.12

› COST ESTIMATE - ROAD ABANDONMENT

SALE NAME: Camp Draper

CONTRACT NUMBER:

30-09221

I. MISC. ROAD ABANDONMENT COSTS:

<u>Road</u>		Cost/ Cost/ Station	Total Total Stations	Sub Sub Total
S4008	surface ripping =	\$7.20	9.51	\$68.47
	slash scattering =	\$10.00	9.51	\$95.10
		Cost / Item	# Items	
	earth barricade install =	\$60.00	1	\$60.00
		Cost / Pound	Total Pounds*	
	grass seeding =	\$5.00	8	\$40.00
			Road Total:	\$263.57

Abandonment Total: \$263.57

SUMMARY - Road Development Costs

REGION: Southeast
DISTRICT: Klickitat

SALE/PROJECT NAME: Camp Draper

CONTRACT #: 30-09221

ROAD NUMBERS:	S2100, S2150, S2151, S4008	S2151, S4008	S2151, S4008
ROAD STANDARD:	Pre-haul	Reconstruction	Abandonment
NUMBER OF STATIONS:	116.58	22.06	
BRUSHING	\$361.84	-	
SHAPING	\$841.68	\$5,760.31	
ROCKING	\$16,259.60		
MOBILIZATION:	\$1,084.74	\$205.26	
SUBTOTAL COSTS:	\$18,547.85	\$5,965.57	
COST PER STATION:	\$159.10	\$270.42	

POST-HAUL

RIPPING		\$68.47
SLASH SCATTERING		\$95.10
BARRICADES		\$60.00
GRASS SEED		\$40.00
DEMOBILIZATION		\$920.00
SUBTOTAL COSTS:		\$1,183.57
COST PER STATION		\$124.46

TOTAL (All Roads) = \$25,697.00
SALE VOLUME MBF = 2,700
TOTAL \$/MBF = \$9.52

Compiled by: Tara Baker

Date: 3/16/2016

SUMMARY - ROAD COST ESTIMATE

REGION: SOUTHEAST
 DISTRICT: Klickitat

SALE/PROJECT NAME: Camp Draper

CONTRACT #: 30-09221

MOBILIZATION:

Pre-haul:	\$1,290.00		
Post haul:	\$920.00		
		Total Cost for Mobilization:	\$2,210.00

RECONSTRUCTION:

S2151	Total Cost =	\$5,426.07	Total Stations of New Reconstruction:	22.06
	Total Stations =	20.78		
	Cost / Station =	\$261.12	Total Cost for New Reconstruction:	\$5,760.31

S4008	Total Cost =	\$334.23
	Total Stations =	1.28
	Cost / Station =	\$261.12

PRE-HAUL MAINTENANCE:

S2100 Spot Rocking	Total Cost =	\$16,259.60		
	Total Stations =	58.13		
	Cost / Station =	\$279.71		
S2150	Total Cost =	\$384.62		
	Total Stations =	26.71		
	Cost / Station =	\$14.40		
S2151	Total Cost =	\$452.79		
	Total Stations =	17.55		
	Cost / Station =	\$25.80		
S4008	Total Cost =	\$366.10	Total Stations for Pre-haul Maintenance:	116.58
	Total Stations =	14.19		
	Cost / Station =	\$25.80	Total Cost for Pre-haul Maintenance:	\$17,463.12

ABANDONMENT

S4008	Total Cost =	\$263.57	Total Stations for Abandonment:	9.51
	Total Stations =	9.51		
	Cost / Station =	\$27.72	Total Cost for Abandonment:	\$263.57

ROADS SUBTOTAL: \$25,697.00

TOTAL (ALL ROADS): \$25,697.00

SALE VOLUME MBF: 2,700.00

TOTAL COST PER MBF: \$9.52

LEGAL DESCRIPTION: SECTION 8 TOWNSHIP 06 NORTH RANGE 12 EAST
DATE: MARCH 16, 2016

SALE NAME: CAMP DRAPER
CONTRACT NUMBER: 30-09221

ROAD	S2100	S2150	S2151	S4000	S4008	TOTAL
PRE-HAUL SUMMARY						
REQUIRED PRE-HAUL MAINTENANCE STA.	58.13	26.71	17.55	---	14.19	116.58
ROCK	1000	---	---	---	---	1000
REQUIRED RECONSTRUCTION STA.	---	---	20.78	---	1.28	22.06
PURCHASER MAINT. STA.	---	26.71	38.33	---	38.33	103.37
DESIGNED MAIN. STA.	58.13	---	---	25.23	38.33	121.69
OUTSLOPED ROAD STA.	---	---	---	---	38.33	38.33
CROWNED ROAD STA.	58.13	---	---	25.23	---	83.36
POST HAUL SUMMARY						
ABANDONMENT	---	---	---	---	9.51	9.51
EARTH BARRICADES	---	---	---	---	1	1