STATE OF MONTANA
GOOD NEIGHBOR AUTHORITY - TIMBER SALE CONTRACT FOR STUMPAGE SOLD BY THE TON
VERSION 18 – DECEMBER 2024

DEPARTMENT OF NATURAL RESOURCES & CONSERVATION **2705 Spurgin Road** **Missoula, MT 59804**	**NAME, ADDRESS AND PHONE NUMBER OF PURCHASER:**	
	Tax I.D. Number	
LAND OFFICE **Central**	**SALE NAME** **GNA Buffalo Springs SYU Re-offer**	**SALE NUMBER** **GNA1076**
UNIT OFFICE **Helena**	**AWARD DATE**	**TERMINATION DATE** **October 15, 2029**

THIS TIMBER SALE CONTRACT (hereinafter called Contract or agreement) IS MADE AND ENTERED INTO by and between the State of Montana, acting through its Department of Natural Resources & Conservation, Forestry Division (hereinafter called the State) and (, a sole proprietorship; or , a partnership; or , Inc. a corporation) (hereinafter called Purchaser) having an office and principal place of business at the address shown above. Purchaser's bid for all timber and timber products described in this Contract has been accepted by the State after having been estimated, appraised and advertised for sale as required by law. Therefore, in consideration of the mutual promises contained in this agreement, the State agrees to sell and the Purchaser agrees to purchase the designated timber located on the areas described in this Contract at the specified rates of payment and in strict conformity with the requirements, standards, specifications and conditions set forth in this Contract.

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-ATTACHMENTS-

The following attachments are hereby made a part of this contract:

ATTACHMENT A: Timber Sale Maps	5 Pages
ATTACHMENT B: Road Construction, Improvements and Maintenance Specifications	30 Pages
ATTACHMENT C: Forest Fire Regulations	2 Pages
ATTACHMENT D: Working in Bear Habitat Brochure	1 Page
ATTACHMENT E: Forest Resources Conservation and Shortage Relief Act	6 Pages
ATTACHMENT F: Helena/Lewis & Clark National Forest Food Storage Order #R1-2023-02	5 Pages
ATTACHMENT G: Federal Sustained Yeild Unit	1 Page
ATTACHMENT H: MDOT Approach Permit	3 Pages

SAMPLE

TABLE 1 - LEGAL DESCRIPTION OF THE GROSS SALE AREA The timber designated for sale under this Contract is within the following sale area			
Subdivisions	**Section**	**Twn**	**Rge**
ALL	**5**	**11N**	**7E**
ALL	**6**	**11N**	**7E**
N1/2 & SE1/4	**7**	**11N**	**7E**
N1/2 & SW1/4	**8**	**11N**	**7E**
NW1/4	**9**	**11N**	**7E**
Total approximate acres in gross sale area:	**1,798 acres**		
Number of harvest units (Including Right-of-Way):	**18 Required Units** **5 Optional Units**		
Total acres in harvest units (Including Right-of-Way):	**409 Required Acres** **132 Optional Acres**		

TABLE 1 (continued) - ESTIMATED SALE VOLUME The state does not guarantee the product weight, by species or in total, to equal the estimated advertised weight in quantity or product designation.	
Product	**Estimated Quantity (Tons)**
Required Sawlogs	**8,474 tons**
Required Other Material (pulp/firewood/post/pole)	**2,063 tons**
Optional Sawlogs	**1,168 tons**
Optional Other Material (pulp/firewood/post/pole)	**4,145 tons**
Total Estimated Volume	**15,850 tons**

TABLE 1 (continued) - PAYMENT RATES			
Payment	**Amount**		**Requirements**
Performance Bond Amount:	**20% of bid value**		See Section II.A.1-3.
	Product	**Amount**	
Stumpage Rate per ton:	**Sawlogs** **Other Material**	**Bid Rate** **$1.00/ton**	See Section II.B.1-3.
Required Deposits (slash, etc.)	**N/A**		

TABLE 1 – (continued) – ROAD USE AND MAINTENANCE PAYMENTS		
Road Name or Number	**Rate**	**Requirements**
N/A		

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I. GENERAL TERMS

A. DEFINITION OF CONTRACT LANGUAGE: The following definitions apply to terms used in this Contract:

1. Administrator – The Good Neighbor Authority Bureau Chief, Forestry Division, Department of Natural Resources & Conservation

2. Draw – A swale or drainageway that may not have perceptible or definite beds or banks.

3. Environmental Law – Includes, but is not limited to, the following laws and any regulations promulgated under these laws: the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA") (42 U.S.C. § 9601 *et seq*.), as amended; the Resource Conservation and Recovery Act ("RCRA") (42 U.S.C. §§ 6901 – 6987), as amended; the Clean Air Act (42 U.S.C. § 7401, *et seq*.), as amended; the Safe Drinking Water Act (42 U.S.C. § 300f *et seq*.), as amended; the Clean Water Act (33 U.S.C. § 1401 *et seq*.), as amended; the Clean Air Act of Montana (Mont. Code Ann. § 75-2-101 *et seq*.), as amended; the Montana Water Quality Act (Mont. Code Ann. § 75-5-101 *et seq*.), as amended; the Montana Solid Waste Management Act (Mont. Code Ann. § 75-10-201 *et seq*.), as amended; the Montana Hazardous Waste Act (Mont. Code Ann. § 75-10-401 *et seq*.), as amended; the Montana Comprehensive Environmental Cleanup and Responsibility Act (Mont. Code Ann. § 75-10-701 *et seq*.) as amended; and the Montana Underground Storage Tank Act (Mont. Code Ann. § 75-11-501 *et seq*.) as amended.

4. Forest Officer – The State field representative assigned the job of contract administration for this timber sale Contract. Except as otherwise expressly stated in the Contract, the Forest Officer is not authorized to modify the contract on behalf of the State.

5. Hazardous or deleterious substance – Means a substance that, because of its quantity, concentration, or physical, chemical, or infectious characteristics, may pose an imminent and substantial threat to public health, safety, or welfare or the environment, and is:

   a. A substance that is defined as a hazardous substance by section 101(14) of CERCLA, 42 U.S.C. § 9601(14), as amended.

   b. A substance identified by the administrator of the United States Environmental Protection Agency as a hazardous substance pursuant to section 102 of CERCLA, 42 U.S.C. § 9602, as amended.

   c. A substance that is defined as a hazardous waste pursuant to section 1004(5) of RCRA, 42 U.S.C. § 6903(5), as amended, including a substance listed or identified in 40 CFR 261.

   d. Any petroleum product.

6. Operating period – The annual time period during which field activities (logging, hauling, construction, etc.) may be conducted.

7. Paid or payment – Except as otherwise expressly stated in the Contract, full remuneration by either cash, money order or certified check.

8. Purchaser – The signatory party to this Contract other than the Administrator. Purchaser is also defined to include employees and agents of the Purchaser authorized to conduct activities as required for execution of the timber sale Contract. As an independent contractor, neither the Purchaser, its employees or agents shall be considered employees of the State of Montana or the United States Forest Service pursuant to work performed under this Contract.

9. Sawlog – A green or dead log as further defined under Section VII.C.

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10. State – The State of Montana and its agents and employees, including but not limited to the Department of Natural Resources & Conservation.

11. USFS - The United States Forest Service and its agents and employees.

12. Stream – A stream is a natural watercourse of perceptible extent that has a sandy or rocky bottom or definite banks and confines and conducts continuously or intermittently flowing water.

13. Stumpage – The rate paid in dollars per ton as specified in Table 1 for Sawlogs and/or Other Material.

14. Supervisor – A person designated by the Purchaser in charge of operations on site at the sale area at all times when construction or harvesting operations are in progress. The Supervisor shall have authorization to receive notices from the Forest Officer and take appropriate action with regard to breach and/or violations of the terms of the contract.

B. REMOVAL OF TIMBER AND TITLE TRANSFER:

1. Provided the Purchaser has paid for timber as required in Section II.B.1, ADVANCE STUMPAGE PAYMENT, the Purchaser has the right to cut and remove timber from the sale area provided all Contract requirements related to the commencement of operations have been met.

2. Title to all timber included in this contract shall be retained by the USFS until:

   a. The timber has been paid for.

   b. The timber has been measured, as described in Section III.A. MEASUREMENT AND LOG ACCOUNTABILITY.

   c. The timber has been properly marked, branded and ticketed as described in Section III.C & E. MEASUREMENT AND LOG ACCOUNTABILITY and Attachment E, which is attached hereto and incorporated herein by reference, and removed from the gross sale area.

3. Title to timber remaining on the gross sale area at termination of the contract shall remain with the USFS.

4. As documented in this contract, or otherwise agreed to, all roads and other improvements become the property of the USFS as they are constructed.

C. TERM OF CONTRACT: This Contract is effective upon approval and execution by the Administrator and shall terminate on the Termination Date shown on page 1 unless terminated sooner for successful completion or for gross or persistent breach and/or failure to promptly and properly remedy contract violations of the Contract terms pursuant to Section IV. B, TERMINATION.

D. PRE-OPERATIONS MEETING: No activity may occur on the sale area until a pre-operations meeting is conducted between the Purchaser and the State. The Purchaser shall notify the Forest Officer at least seven (7) days prior to the start of operations to schedule the pre-operations meeting. The Forest Officer will specify to the Purchaser what information the Purchaser must provide to the State at the pre-operations meeting.

E. ANNUAL OPERATING PLAN: Purchaser may be required to submit a written annual operating plan, as specified by, and at the request of the Forest Officer.

F. CONTRACT TERM EXTENSION:

1. In the event that Purchaser's operations are delayed and Purchaser is not able to complete the requirements of this Contract prior to the harvest completion date or the termination date, the State may grant an extension of the term of this Contract. An extension will be considered by the State under only the following circumstances:

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a. The State determines an extension is in the USFS and State's best interests;

b. Purchaser applies for the extension in writing at least 30 days prior to the termination date.

c. The State notifies the Purchaser that an extension is required.

d. Purchaser has provided the State with written notice from the surety that the performance bond on this contract has been extended for a period commensurate with the requested contract extension.

e. Purchaser has made a good faith effort to complete the sale.

f. The extension request is not based on poor log and/or market conditions.

2. If the contract term extension is granted, Purchaser shall conduct continuous operations through the operating periods and/or resume operations at the start of the next operating period until the requirements of this Contract are completed. No extension shall be granted for a period longer than eighteen (18) months after the termination date as provided herein unless a longer extension is determined to be in the State's and USFS's best interest.

3. If the extension is requested and granted because of delays resulting from matters within Purchaser's control, the following will apply:

   a. Purchaser shall pay an extension fee of $500.00.

   b. Stumpage rates for any volume cut, skidded or hauled during the extension period will be escalated a minimum of 10%.

   c. No de-escalation will occur from the time the extension is granted by the Administrator, as documented in a signed modification, through the remainder of the Contract.

4. An extension may be granted to the Purchaser without penalty if the State prohibits logging activity for more than 2 weeks during the operating period described in this Contract.

5. All conditions of this contract shall remain in force during any period of extension, unless those conditions are amended by the terms of the extension.

6. In the event the Contract terminates pursuant to Section I.C, TERM OF CONTRACT due to expiration of the time period within which its performance shall have been completed, and the State has not granted an extension, the Purchaser shall immediately cease all operations within the Gross Sale Area as shown in Table 1. Operations beyond the contract termination date for which the State has not granted an extension will be treated as trespass.

G. LIABILITY FOR LOSS: The Purchaser is responsible for loss, degradation, or damage to timber while the timber is in his, her or its custody, including but not limited to, timber which has been felled, skidded or decked and/or timber which has been lost, damaged or stolen after removal from the sale area but before scaling or weight is recorded.

H. SUPERVISION: When construction or harvesting operations are in progress, the Purchaser shall have exclusive control over the manner in which the Contract is executed if, as determined by the State, the Purchaser has and is complying with all terms and conditions provided herein. Purchaser is required to have a supervisor(s) in charge of operations on the sale area at all times. Such supervisor(s) shall have authorization to receive notices from the Forest Officer and take appropriate action with regard to breach and/or violations of the terms and conditions of the Contract.

I. COMPLAINTS:

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1. Complaints by the Purchaser concerning any action or decision of a Forest Officer, including suspension orders, must be made in writing to the Administrator postmarked within 30 days of the disputed action or decision. In the interim, Purchaser must comply with the directions of the Forest Officer.

2. Upon receipt of a complaint, the Administrator, or a designated representative, shall promptly hold an informal conference with the Purchaser and the Forest Officer to review the disputed action. The Purchaser shall be given adequate notice of the conference and shall be given the opportunity to present evidence and an argument to rebut the reasons given by the Forest Officer for the disputed action. After review, the Administrator shall notify the Purchaser in writing of his decision. The decision of the Administrator is final on behalf of the State, except regarding termination of the contract.

J. ASSIGNMENT: This contract shall not be assigned in whole or in part unless approved in writing by the Administrator. Any person or entity that is currently suspended or debarred from bidding on or operating government contracts is also suspended or debarred from bidding or operating (including as a sub-contractor) on this contract.

K. MODIFICATIONS:

1. This Contract, together with the attachments listed herein, contains the entire agreement of the parties and no statements, promises or inducements made by either party, or agents of either party, that are not contained in such written Contract shall be valid or binding. This Contract, except as described in Section I.K.2 below, cannot be enlarged, modified or altered except upon written agreement signed by all parties to this contract. Only the Administrator, his successor, or his designated representative is authorized to enter into such modification on behalf of the State.

2. To protect cultural or natural resources the State may modify provisions of the Contract without prior agreement by the Purchaser.

L. EQUAL EMPLOYMENT OPPORTUNITY: Pursuant to Section 49-3-207, MCA, any hiring by the Purchaser under this agreement must be on the basis of merit and qualifications and there must be no discrimination on the basis of race, color, religious creed, political ideas, sex, marital status, physical or mental handicap, national origin or ancestry by any person performing this Contract.

M. LIABILITY INSURANCE:

1. Prior to the commencement of any work to be performed under this Contract, the Purchaser or their agents shall obtain, carry and keep in good standing for the remainder of the Contract period, with any extensions:

   a. Comprehensive general liability insurance coverage to the limit of $1,000,000.00 per occurrence and $2,000,000.00 per aggregate. Each such policy shall include endorsements, which shall name the State, US Forest Service, its elected and appointed officials, agents and employees as additional insured and shall provide that the State shall be given 30 days written notice, at the address stated above, prior to cancellation or any material change in such policy.

   b. Automobile Liability Insurance: The Purchaser shall purchase and maintain coverage with split limits of $500,000 per person (personal injury), $1,000,000 per accident occurrence (personal injury), and $100,000 per accident occurrence (property damage), OR combined single limits of $1,000,000 per occurrence to cover such claims as may be caused by any act, omission, or negligence of the contractor or its officers, agents, representatives, assigns, or subcontractors.

2. In lieu of such coverage, the Purchaser may provide proof of self-insurance in at least an amount equal to that provided above.

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3. Prior to the commencement of any work to be performed under this Contract, Purchaser shall deliver to the State a certificate of insurance from the insurer(s) of the Purchaser or their agents certifying that coverage in at least the amounts stated above is in force. Such certificate shall be submitted to the State for approval of the insurer(s), the amount, and the form. The State reserves the right to require a certified copy of any such policy or to examine the policy itself.

4. A self-insured Purchaser shall provide an equivalent certificate of insurance subject to the approval of the State.

5. It is further understood and agreed that this Contract shall terminate immediately in the event that the mandatory liability insurance coverage required under this part is for any reason not obtained or is discontinued.

N. WORKERS' COMPENSATION INSURANCE:

1. Prior to the commencement of any work under this Contract, Purchaser shall provide written verification to the Administrator that any and all individuals who are to be engaged in work under this Contract, including but not limited to employees, agents or independent contractors of the Purchaser or of its subcontractors, are either insured for workers' compensation coverage or are exempted from such coverage as certified independent contractors pursuant to § 39-71-401 MCA.

2. It is expressly understood and agreed that no such individual may engage in work in furtherance of this Contract at any time during its period unless either insured for workers' compensation coverage or exempted from such coverage as indicated above.

3. It is understood and agreed that this Contract shall terminate immediately in the event that workers' compensation coverage or exemptions required under this part is discontinued for any individuals engaged in work under this Contract.

O. SAFETY: The Purchaser, employees, subcontractors and their employees shall conduct their activities in a safe and workmanlike manner, shall cooperate in making it possible for the Forest Officer to safely, efficiently, and economically perform his, her or its administrative duties, and shall comply with federal and State safety standards for logging operations as established by the United States Department of Labor, Occupational Safety and Health Administration (OSHA; 29 Code of Federal Regulations 1910 and any other such applicable regulations promulgated by OSHA) and as required by Title 50, Chapter 71 of the Montana Code Annotated, and any regulations promulgated to implement the statutes found in that Title and Chapter of the Montana Code Annotated. The Purchaser, and not the State, is responsible for instituting and maintaining all precautions, procedures and programs for the safety of all persons on the project site, and the State hereby disclaims any and all responsibility for injuries or accidents occurring at the site.

P. SAWMILLS PROHIBITED: No sawmills shall be allowed to operate on the gross sale area.

Q. LOG CHIPPERS OR GRINDERS: No log chippers or grinders shall be allowed to operate on the gross sale area unless written approval to do so is granted by the Forest Officer. In order for approval to be granted, the Purchaser shall identify a method acceptable to the State for the measurement of all wood to be ground or chipped. If the Purchaser intends to operate a log chipper outside of the gross sale area, provisions must be made for obtaining certified weights of either the material removed from the sale or of the resultant products.

R. SALE DELAYED OR PRECLUDED BY JUDICIAL ACTION OR GOVERNMENT REGULATORY ACTION:

1. In the event judicial action, change in applicable law, or implementation of government regulatory action renders proceeding with this Contract unlawful, the State will suspend or terminate the Contract in whole or in part. Upon notice of such suspension or termination, Purchaser shall

SAMPLE

immediately cease all or any portion of such operations under the Contract as directed by the State. If a court of competent jurisdiction has entered a final judgment rendering further proceeding with this Contract unlawful, or government regulatory action takes effect, the State may terminate the Contract or, at the State's option, suspend the Contract in whole or in part, pending appeal of the court's final judgment. If the Contract is suspended, the State shall not be liable to the Purchaser for damages or losses resulting from the delay. In the event the Contract is terminated due to judicial action, a change in law, or government regulations, the State shall be liable to Purchaser only as follows:

a. The State shall refund any portion of advance stumpage payments or down payments not needed to compensate the State for timber removed.

b. The State shall release any portion of the performance bond not needed to compensate the State for timber removed or other losses suffered by the State due to breach of contract by the Purchaser.

S. VENUE AND CHOICE OF LAW: In the event of litigation concerning this agreement , venue shall be in the First Judicial District, Lewis and Clark County, Montana, and this agreement shall be governed by the laws of the State of Montana both as to interpretation and performance.

T. AUTHORIZATION TO ENTER: The Purchaser is authorized to enter the sale area only for purposes related to the performance of this Contract. Any person or entity that is currently suspended or debarred from bidding on or operating government contracts is also suspended or debarred from bidding or operating (including as a sub-contractor) on this Contract.

U. OTHER OPERATIONS BY THE STATE: The State or USFS reserves the right to at any time conduct within the gross sale area forest management operations including, but not limited to, slash piling, burning, handwork, broadcast burning, mop-up, patrolling, thinning and tree planting during the term of this Contract.

V. INDEMNITY AND LIABILITY:

1. The Purchaser agrees to indemnify the State and the USFS, its officials, agents, and employees, while acting within the scope of their duties and hold the State harmless from and against all claims, demands, and causes of action of any kind or character, including the cost of defense, arising in favor of the Purchaser's employees or third parties on account of bodily or personal injuries, death or damage to property arising out of services performed, goods or rights to intellectual property provided or omissions of services or in any way resulting from the acts or omission of the Purchaser and/or its agents, employees, subcontractors or its representatives while engaged in work under this Contract, all to the extent of the Purchaser's negligence.

2. The Purchaser shall be responsible for, indemnify, defend and hold the State and the USFS harmless from and against any loss, cost (including, without limitation, reasonable legal, accounting, consulting, engineering and similar expenses), damage, claim, fine or liability, including the necessity for tests, inspections or other work, and any damage, claim, fine or liability arising as a result of such tests, inspections or other work, the State must perform:

   a. Based upon an actual or alleged violation by the Purchaser of, or failure by the Purchaser to comply with, any Environmental Law during the term of this Contract;

   b. Arising from the discharge, release, threatened release, handling, storage, treatment, deposit or disposal of any Hazardous or Deleterious Substances caused or exacerbated by the activities of the Purchaser on or in the gross sale area during the term of this Contract; or

   c. Otherwise arising out of or in connection with any environmental condition or action caused or created by the Purchaser.

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W. OTHER LAWS AND REGULATIONS: This Contract is subject to all applicable federal, state, county, and municipal laws, ordinances, and regulations in effect at the date of this Contract or which may, from time to time, be adopted, and which do not impair the obligations of this Contract and which do not deprive the Purchaser of an existing property right recognized by law. A violation by the Purchaser of any federal, state, county, and/or municipal laws, ordinances and/or regulations while conducting operations under the terms of this Contract, shall, in the discretion of the State, constitute sufficient reason for the suspension or termination of this Contract. If any part of the lands or premises under this Contract are used or allowed or permitted to be used for any purpose contrary to the laws of this state or the United States, such unlawful use shall, in the discretion of the State, constitute sufficient reason for the suspension or termination of this Contract.

X. FORCE MAJEURE: Neither party shall be responsible for failure to fulfill its obligations due to causes beyond its reasonable control, including without limitation, acts or omissions of government or military authority, acts of God, materials shortages, transportation delays, fires, floods, labor disturbances, riots, wars, terrorist acts, or any other causes, directly or indirectly beyond the reasonable control of the nonperforming party, so long as such party is using its best efforts to remedy such failure or delays. Force majeure will not relieve the Purchaser from liability for damage or otherwise excuse performance of this Contract should the Purchaser cause a fire for which they would be liable under § 50-63-103, MCA.

Y. CERTIFICATION REGARDING DEBARMENT AND SUSPENSION: The Purchaser must complete and deliver to the State form AD-1047, Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary covered transactions and form AD-1048 Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower tier Covered Transactions.

II. CHARGES AND PAYMENTS

A. PERFORMANCE BOND:

1. As a guarantee of the faithful performance of this Contract, Purchaser shall furnish a bond, with sufficient sureties, to the State in an amount equal to the potential loss to the State in the event of Purchaser's breach or default under the terms of this Contract as determined by the Administrator. The performance bond may be in cash, bond, irrevocable letter of credit, or certificate of deposit with sufficient sureties. A letter of credit must be automatically renewable without amendment for the term of the Contract. The bond shall not be less than five percent (5%) of the estimated value of the timber sold. The performance bond the Purchaser must submit for this Contract is shown in Table 1.

2. Upon full performance of the terms of the Contract, the State shall release the performance bond.

3. Upon substantial performance of the terms of the Contract, the Administrator may release a portion of the performance bond not needed to compensate the State for any remaining timber to be removed or any other losses that may be suffered by the State due to breach of Contract by the Purchaser. The bond shall not be reduced to less than five percent (5%) of the estimated value of the total Contract volume.

B. PAYMENTS: The Purchaser agrees to make payments to the Treasurer of the State of Montana as follows:

1. ADVANCE STUMPAGE PAYMENTS: The Purchaser is required to pay for all timber in advance of cutting at the rates shown in Table 1. Advance stumpage payments will be held by the State to cover the Purchaser's estimated timber cutting for at least six (6) weeks of operations. Advance stumpage payments may be reduced just before completion of the sale or when cutting requirements are to be suspended for at least 3 months. Advance stumpage payments may be in cash, bond, irrevocable letter of credit, or certificate of deposit with sufficient sureties.

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2. INITIAL ADVANCE STUMPAGE PAYMENT: The initial advance payment will be made by the Purchaser prior to the start of timber cutting operations.

3. PAYMENT SCHEDULE: Payments in full for individual invoices will be made by the Purchaser as called for by the Administrator; in no event will payments be made by the Purchaser more than 14 days from the date of billing.

C. ROAD USE AND MAINTENANCE PAYMENTS:

1. PAYMENTS: The Purchaser is required to make payments for road use and maintenance at the rates listed in Table 1 or as amended by revisions to road use permits. Payments will be made as called for by the Administrator or as otherwise directed in this Contract.

2. ALTERNATE HAUL ROUTES: The Purchaser is authorized by the State to use the haul route described in this Contract and attachments. If the Purchaser chooses to use an alternate haul route, that haul route must be approved by the State. Road use charges, maintenance requirements and payments may be adjusted to reflect the haul route used by the Purchaser. The Purchaser is responsible for obtaining any right-of-way required for an alternate haul route and for meeting all requirements of any agreements associated with that right-of-way. Proof of any such agreement must be provided to the State prior to use. Stumpage fees are not subject to a downward adjustment under this clause.

III. MEASUREMENT AND LOG ACCOUNTABILITY

A. PRODUCT MEASUREMENT:

1. The State will determine the value of products removed from the sale based on the total gross weight of material hauled. Weight tickets will be used to obtain the total value.

2. When mixed products with different payment rates per ton are hauled on one load, the entire load will be charged at the rate of the product with the highest value contained in the load.

3. Upon request by the State, the most recent load delivered to a receiving mill must be made available for inspection by the State or their representatives. The weight ticket identifying the load must remain affixed to the load.

B. WEIGHT TICKETS: The Purchaser is required to furnish weight tickets to the State as agreed to by the Forest Officer and the Purchaser.

1. All weight tickets shall be mailed or delivered with corresponding load tickets, as outlined below, directly to the DNRC Unit or Land Office administering this Contract. In this case, send truck tickets to **DNRC Central Land Office; 8001 N Montana Ave., Helena, MT, 59602**. This requirement may be waived or changed by the Forest Officer.

2. Weight tickets shall show gross, tare and net weights and the corresponding load ticket number of each product load. Weight tickets must be from State of Montana certified scales, and all weight tickets must have mechanically stamped weights for the gross and tare weights unless otherwise permitted in writing by the Forest Officer. Weight tickets will be mailed or delivered to the State on a bi-weekly basis or as otherwise agreed to by the Forest Officer. A weight ticket will be considered as missing if not furnished within 4 weeks of the load delivery date. Failure to comply with this provision may be treated by the State as a contract violation.

3. Truck ticket information may be provided to DNRC electronically if all required ticket information is provided. The information must be provided to the State on a bi-weekly basis prior to the tenth (10^{th}) and twenty-fourth (24^{th}) of each month. The paper copy of the weight tickets must also continue to be provided to the State. The requirement to supply the paper copy of the weight tickets may be waived by the Administrator.

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C. LOAD TICKETS: The Purchaser will be issued load ticket books with consecutively numbered tickets for uniquely identifying truckloads of logs. A load ticket shall be attached to the driver's side bunk log of each product load prior to hauling, with the Scaler's copy given to the State from the delivery point. The Purchaser shall complete each ticket with the sale information required by the State. The Purchaser shall provide to the Forest Officer a complete list of destinations to which loads will be delivered. The State, at its discretion, may require a separate ticket book for each destination. Failure to comply with this provision may be treated by the State as a contract violation.

D. SORTING OF PRODUCTS: The State may require separate ticket books for any loads sorted by the Purchaser by size or species or by specific products intended for different delivery points. Load tickets designated for a specific product must only be used for that specific product. When a load ticket is used with an incorrect product the State may treat such misuse as a contract violation

E. LOAD MARKING: The Purchaser is required to mark all loads of logs before removal from the loading area to assist in identification while in transit or at the point of delivery. Marking shall be accomplished by painting "GNA" in blue paint and the last three digits of the truck load ticket number on log ends of at least three logs on each load, both front and back. The driver's side bunk log shall be one of the marked logs. Failure to comply with this provision may be treated by the State as a contract violation.

F. PROMPT DELIVERY: The Purchaser will deliver loads from the timber sale area to a receiving log yard directly without diversion. "Over-nighting" loads during transit are expressly forbidden unless approved by Forest Officer prior to hauling. Failure to comply with this provision may be treated by the State as a contract violation.

G. SCALE RULE:

1. Any sawlogs scaled by the State shall be scaled using the Scribner Decimal "C" log rule. Log scaling will follow the procedures listed in the National Forest Log Scaling Handbook (FSH 2409.11) excluding Region 1 supplements.

2. In cases where conversion is required, a conversion factor of **7.50** tons per thousand board feet will be used for sawlogs.

H. LOG BRANDING: This contract is subject to the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, *et seq.*). The Purchaser must comply with log branding and accounting rules in Attachment E.

IV. CONTRACT VIOLATIONS AND PENALTIES

A. SUSPENSION:

1. FAILURE TO PAY ADVANCE STUMPAGE: If Purchaser fails to submit advance stumpage payments as directed by the Administrator pursuant to the terms of this Contract within 30 days of the request for such payments, all operations covered by this Contract shall immediately cease upon written or oral order from the State until all required advance stumpage payments, or guarantee of payment satisfactory to the State, have been made. The cutting and removal of timber may resume only upon receipt of written notice to the Purchaser from the State that acknowledges adequate payment or guarantee.

2. LOSS OF BOND: If the surety bond or other bond securing performance of this Contract is canceled or otherwise becomes ineffective, operations covered by this Contract shall immediately cease upon written or oral order from the State to the Purchaser. Cutting and removal of timber may resume only upon receipt of written notice from the State that acknowledges adequate bond.

3. OTHER CONTRACT VIOLATIONS:

SAMPLE

a. Should the Forest Officer observe a condition that violates the terms of this Contract, the Forest Officer may verbally notify the Purchaser or its employees or subcontractors of such condition and immediately suspend all or part of the operations in the sale area to prevent harm to the interests of the State or the public. Should the Purchaser or its employees or subcontractors fail to comply with any verbal suspension order, the Administrator may terminate the Contract pursuant to Section IV. B. Termination. The Forest Officer may rescind his/her verbal suspension order upon satisfactory cure of the Purchaser's violation and operations may resume.

b. Suspension orders may be given in writing or verbally to the Purchaser, or to his, her or its employees or subcontractors. Once given, the Purchaser, and his, her or its employees or subcontractors shall immediately comply with such order of suspension and failure to do so shall constitute grounds for termination of this Contract. Suspension orders are reviewable under the provisions described in Section I.I. COMPLAINTS.

c. The Administrator may issue a written notice of suspension depending upon the severity of the violation and Purchaser's ability to cure. Such notice shall contain information regarding: 1. The breach observed and harm anticipated; 2. The Contract provisions violated; 3. If possible, the measures required to cure the violation and allow operations to resume; and 4. The deadline within which the Purchaser must cure the violation. Should the Purchaser fail to cure the violation as required, or to obtain a written variance from the Administrator, the Administrator may charge the Purchaser a $250 per day penalty for every day that the violation persists. Operations may resume only upon written notice from the Administrator. If satisfactory measures or remedies cannot be found to cure the violation, the Administrator may immediately terminate the Contract pursuant to Section IV.B. TERMINATION.

B. TERMINATION:

1. Gross or persistent Contract violations and/or failure to promptly and properly remedy Contract violations by the Purchaser pursuant to the terms of this Contract shall be grounds for termination of the Contract by the State.

2. If this Contract is terminated by the State, the Administrator shall immediately notify the Purchaser of the termination and the reasons for it by certified mail. Such notice shall describe in what respects the Contract has been breached, the means, if any, by which the breach can be remedied and the consequences of such termination. The Contract shall be terminated 18 days from the date the notice is mailed to the Purchaser at the address stated in this Contract.

3. Upon receipt of the notice of termination the Purchaser shall immediately cease all operations pursuant to and permitted by the Contract until the termination is resolved as provided pursuant to this Section of the Contract, Section IV.B. TERMINATION.

4. If the Contract is reinstated the Purchaser will not be penalized for any delays that resulted from the appeal.

5. If the Contract is terminated for breach, it is understood that the State may refuse to accept bids or proposals submitted under 77-5-212 MCA from the Purchaser on future State timber sales and permits for a minimum period of 2 years.

C. LIABILITY FOR DAMAGES:

1. The Purchaser shall be liable for any damages sustained by the State arising from Purchaser's breach of the terms of this Contract and the State may cause all or part of the performance bond to be forfeited to recover such damages.

2. In the event that a portion of the timber sale under this Contract is resold as a result of the Purchaser's forfeiture and the stumpage rate pursuant to the resold contract is lower than the

SAMPLE

stumpage rate provided herein, the difference between the original rate and the new rate shall be considered damages and the Purchaser shall be liable to the State for those damages. The State may cause all or part of the Purchaser's performance bond to be forfeited to recover such damages.

D. STATE'S OPTION TO COMPLETE CONTRACT REQUIREMENTS: If the Purchaser fails to complete the requirements described in this Contract in a timely manner or if the Contract is terminated pursuant to Section IV.B. TERMINATION, the State reserves the right to complete the work itself or through a contractor. The Purchaser will be billed for any additional costs incurred by the State due to the Purchaser's failure to perform the requirements of this Contract. These additional costs may include State employee time and expenses that were extraordinary to the normal administration of the Contract, such as time and expenses incurred to hire a replacement contractor. Purchaser's failure to make payment within 14 days from the date of billing may cause all or part of the performance bond to be forfeited to recover such costs.

E. WAIVER OF PENALTIES: The penalties specified in this section shall be regarded as liquidated damages and may be waived or reduced at the discretion of the Administrator in exceptional cases.

F. FOREST PRACTICES LAWS: The Purchaser shall conduct logging operations in compliance with all applicable state and federal rules and laws relating to forest practices in the State of Montana. The Purchaser shall be responsible for all reclamation and penalties that result from violations of applicable forest practices rules and laws.

G. LOGGING REQUIREMENT VIOLATIONS:

1. HIGH STUMPS: The Purchaser may be charged $25.00 for each tree stump cut higher than 12 inches on the side adjacent to the highest ground except in unusual cases when this height is not considered practical.

2. LONG BUTTS: The Purchaser may be required to pay $25.00 per long butt for cutting long butts that contain useable material in excess of the minimum net scale in percentage of gross shown in Table 2.

3. LARGE TOPS: The Purchaser may be required to pay for cutting tops larger than the Top Diameter Inside Bark (DIB) shown in Table 2. This charge will be at the current contract rate for the net volume by species, or $25.00 per large top, whichever is greater.

4. UNDESIGNATED TREES:

   a. Undesignated or reserve trees that are cut or damaged as a result of Purchaser's operations shall be considered cut in trespass and the Purchaser may be charged three times the highest Contract stumpage rate (minimum $10.00/ton) for the Contract product class(es) the tree contains.

   b. If the Forest Officer determines that a suitable replacement for a reserve tree as described above is not available, Purchaser agrees to pay the State $500.00 per tree, in addition to the rates charged in Section IV.G.4.a. UNDESIGNATED TREES.

5. FAILURE TO REMOVE: The State may charge the Purchaser for trees that are designated for cutting under the terms of this Contract and/or logs that meet the Manufacturing and Recovery Standards shown in Table 2 that are not removed from the sale area or presented for measurement. This charge may be up to triple the Contract stumpage rate plus the Forest Improvement rate for the class of material contained in those trees fixed in accordance with the terms of this Contract. If the State removes such material from the sale area, the Purchaser will be required to reimburse the State for all applicable cutting, yarding, processing, loading and hauling costs.

SAMPLE

6. LOSS IN WEIGHT DUE TO PURCHASER DELAY: A 15% increase in net weight of logs may be added by the State for loss in weight due to delay by the Purchaser in delivering cut logs to the manufacturing point. A delay is defined as in excess of 30 days after felling.

H. MEASUREMENT AND LOG ACCOUNTABILITY VIOLATIONS:

1. MISSING LOAD TICKETS: The Purchaser will be charged up to $500.00 for each unused load ticket that the Purchaser has lost or misplaced while in his, her or its possession. An unused ticket is defined as a ticket that is not turned into the State with an associated truckload weight.

2. FAILURE TO ATTACH OR COMPLETE LOAD TICKET: The Purchaser may be charged $500.00 per load for failure to attach a load ticket to each product load prior to hauling, or for failure to complete the load ticket with all required information.

3. MISSING WEIGHT TICKETS:

   a. The Purchaser may be charged triple the Contract stumpage rate [stumpage x 3 = penalty] for each truck weight ticket not furnished to the State.

   b. The Forest Officer will notify the Purchaser of each missing weight ticket.

   c. The load weight will be determined by averaging weights from other loads hauled by the Purchaser to the same mill within the same billing period, or 30 tons for single loads and 38 tons for loads with a pup trailer attached.

   d. For Other Material, as defined by this Contract, the minimum stumpage for purposes of penalty shall be $10.00 per ton or the Contract stumpage rate multiplied by 3, whichever is higher.

4. IMPROPERLY LABELED PRODUCT: The Purchaser may be charged up to $1,500.00 per load for loads with an incorrect load ticket for the product (Sawlog or Other Material) in the load. In addition, the stumpage paid for an improperly ticketed load shall be at the highest Contract stumpage rate for products hauled pursuant to this Contract.

5. IMPROPERLY MARKED LOADS: The Purchaser may be charged forty dollars ($40.00) per load for each load not marked in accordance with Section III.E. LOAD MARKING.

I. FAILURE TO MEET COMPLETION DATES: The Purchaser may be charged $100.00 for each complete calendar day the Purchaser fails to meet the deadlines shown in Table 3 and Table B1.

J. LATE PAYMENTS: The Purchaser may be charged $100.00 per day beginning the 15th day after the billing date for failure to pay for forest products, pursuant to Section II.B PAYMENTS.

V. FIRE PROTECTION

A. BURNING OPERATIONS: No burning of any kind may be conducted without written authorization from the local Federal (Forest Service or BLM) unit where the burning is located. Prior to any burning operations, the written authorization must be provided to the Forest Officer.

B. FIRE REGULATIONS: The Purchaser is required to conduct all operations in accordance with the Montana Forest Fire Regulations, Attachment C, which by this reference is made a part of this Contract.

C. FIRE PREVENTION: During the time that this Contract remains in force, the Purchaser shall, to the greatest extent practicable, prevent forest fires on the area described in this Contract and in its vicinity, and shall require all employees, contractors and employees of contractors to do likewise.

SAMPLE

D. OPEN BURNING REQUIREMENTS: The Purchaser is required to conduct any burning of slash or other debris in accordance with the Montana Department of Environmental Quality open burning restrictions. The Forest Officer must be notified prior to the start of any burning operations.

E. FIRE SUPPRESSION: Unless prevented by circumstances over which he, she or it has no control, the Purchaser shall place qualified employees, contractors and employees of contractors and all equipment at the disposal of any authorized State, County, or Federal Forest Officer for the purpose of fighting forest fires. Payment for such services shall be made at rates to be determined by the Forest Officer, which shall be within a range of payment rates shown in the NWCG Standards for Interagency Incident Business Management Handbook. Any employees or equipment furnished by the Purchaser, contractors or employees of contractors, shall be relieved from fire fighting as soon as it is practicable for the Forest Officer to obtain other adequate labor or equipment.

F. FIRE COSTS: The costs borne by the Protecting Agency for suppressing fires that are intentionally lit by the Purchaser or that are caused by negligence or fault in the Purchaser's operations shall be paid by the Purchaser to the Protecting Agency. The Purchaser shall also be liable for property and resource damage resulting from these fires.

G. FIRE REPORTING: Any wildfires, which the Purchaser detects or suppresses, must be reported as soon as possible to the responsible fire protection agency and the State.

H. SUSPENSION OF OPERATIONS: When fire danger reaches extreme levels that cause operations to be curtailed through Stage II, Hoot Owl requirements or other measures, the State may suspend operations until fire conditions in and/or around the sale area improve. The State will grant a contract extension to compensate for the time suspended.

I. CONTACT INFORMATION: The Purchaser will provide the Forest Officer with phone numbers of the Purchaser and their employees and contractors when logging operations are in progress (including nights and weekends), in order to establish contact if a wildfire occurs within the sale area or on other lands accessed by road systems associated with the sale.

VI. RESOURCE PROTECTION

A. DAMAGE PREVENTION: The Purchaser shall use reasonable skill and care in all operations to prevent damage to soils, trails, meadows, stream banks, stream channels, wetlands, lakeshores or other natural features of the sale area.

B. STREAM PROTECTION:

1. Construction and logging equipment will not be operated in Streamside Management Zones. An exception may be provided for, under this Contract, through the procurement of an Alternative Practice (with approval of the Forest Officer). Additional protection measures may be required in Section VII.G, SPECIAL OPERATING REQUIREMENTS and in Contract Attachments.

2. The Purchaser shall notify the Forest Officer immediately if debris from logging or construction enters a stream or stream channel.

3. Under the direction of the Forest Officer, the Purchaser shall remove any debris in a stream resulting from logging or construction operations. This work will be completed in a manner that causes the least disturbance to the streams.

4. Logs shall not be hauled, skidded or yarded across streams unless the logs are fully suspended, or otherwise yarded as specified in this Contract. An approved Alternative Practice must be in place. The Forest Officer must approve all logging and construction plans, including changes, before implementation.

SAMPLE

5. All operations shall be conducted in a manner to comply with Montana Water Quality Standards, the Streamside Management Zone Law, and all applicable permits.

C. CULTURAL RESOURCES: If a cultural resource is discovered, the Purchaser shall immediately suspend all operations in the vicinity of the cultural resource and notify the Forest Officer. Operations may only resume if authorized by the Forest Officer. Cultural resources identified and protected elsewhere in this Contract are exempted from this clause. Cultural resources, once discovered or identified, are not to be disturbed by the Purchaser, or his, her or its employees and/or sub-contractors.

D. DISCOVERY OF THREATENED AND ENDANGERED SPECIES:

1. If a specific habitat feature for a federally listed threatened or endangered species is encountered, the Purchaser shall suspend all operations in the vicinity of the observation or discovery and immediately notify the Forest Officer. Operations may resume only if authorized by the Forest Officer. Habitat features identified and protected elsewhere in this Contract are exempted from this clause.

2. If a federally listed threatened or endangered species is encountered, the Purchaser shall immediately notify the Forest Officer. The Purchaser may be required to suspend operations in the vicinity of the observation or discovery. If suspended, operations may resume only if authorized by the Forest Officer.

E. SANITATION: The Purchaser's operations, as described by this Contract, shall comply with all applicable State laws, rules and regulations concerning sanitation in operations. Refuse resulting from the Purchaser's activities, including the use, servicing, repair, or abandonment of equipment, shall be removed, buried or otherwise disposed of in a manner that complies with all State laws and meets the approval of the Forest Officer. The Purchaser shall not service tractors, trucks and similar pieces of equipment on lands that directly drain into or are within 100 feet of lakes, streams or recreational facilities. No logging camp will be located on the gross sale area without prior approval by the Forest Officer.

F. HAZARDOUS SUBSTANCES: In addition to the indemnification provided in Section I.W.2. INDEMNITY AND LIABILITY, with respect to Hazardous Substances, the following duties shall apply:

1. The Purchaser shall know and comply with regulations governing the storage, handling, application, disposal, and reporting of pesticides, herbicides, containers, biological waste, petroleum products, dust abatement compounds, and other hazardous substances. The Purchaser shall obtain the approval of the Forest Officer to store, handle, apply or dispose of these substances on the gross sale area.

2. The Purchaser shall not transport, handle, store, load, apply, or dispose of any hazardous substance in such a manner as to pollute water supplies or waterways, or cause damage or injury to people, land, desirable plants, and animals.

3. **Contractors will have spill prevention and containment materials on site to minimize the risk of an accidental spill of petroleum products.**

4. **The Purchaser and/or Contractor shall notify the Forest Officer immediately of Hazardous Material Spills.**

G. PROTECTION OF IMPROVEMENTS: The Purchaser shall to the greatest extent practicable protect from damage all gates, signs, telephone lines, power lines, fences, irrigation ditches, cattle guards, drainage structures, road improvements, and any other improvements or infrastructure within the gross sale area and/or along haul routes. Damages caused by the Purchaser, his, her or its employees or subcontractors, and expenses associated with the repair or replacement of damaged structures and improvements are the sole responsibility of the Purchaser.

SAMPLE

H. PROPERTY CORNER RESTORATION: The Purchaser is required to replace any General Land Office township, section, quarter or meander corners, monuments or witness trees on or adjacent to the timber sale area which may have been moved, disturbed or lost, as a result of the Purchaser's logging or construction operations. Any necessary replacements must be carried out by a licensed surveyor at the Purchaser's expense.

I. PASSABLE ROADS: The Purchaser will leave all roads and trails free from obstruction by logs, brush or debris following the completion of logging operations. Temporary or permanent obstructions may be acceptable if approved by the Forest Officer.

J. NOXIOUS WEED MANAGEMENT: All equipment used in road construction and off-road logging activity must be pressure-washed by the Purchaser and inspected by the Forest Officer prior to entering the sale area. This cleaning will remove all dirt, plant parts, and material that may carry noxious weed seeds into the sale area. Other equipment and vehicles entering and leaving the sale area shall be cleaned prior to start up and kept reasonably clean during the course of operations. All subsequent move-ins of logging and construction equipment shall be treated the same as the initial move-in.

K. AQUATIC INVASIVE SPECIES MANAGEMENT: All equipment operated in or adjacent to streams, lakes, or other bodies of water must be pressure by the purchaser and inspected by the forest officer prior to entering the sale area. This cleaning will remove all dirt, plant parts, and other material that may carry aquatic invasive species. Drafting from water sources with known aquatic invasive species is prohibited. When drafting, intake hoses must be fitted with a screen mesh equal to or smaller than 3/32 inches. If drafting from streams occurs place intake hoses in low velocity portions of the stream channel.

L. WILDLIFE PROTECTION:

1. The Purchaser is authorized to enter areas closed by gates, barricades or berms with motorized vehicles only for the purposes related to the performance of this Contract. Motorized vehicle entry for purposes other than contract performance, such as hunting or transporting game animals will be considered trespass and prosecuted to the fullest extent of the law (Montana Code Annotated § 45-6-203).

2. The Purchaser is prohibited from carrying firearms while conducting contract operations [ARM 36.11.432(1)(c); 36.11.443(2)].

3. The Purchaser will store human or pet food, livestock food, garbage, and other attractants in a bear-resistant manner.

4. The Purchaser will not bury or discard attractants in the sale area, or burn attractants (such as food leftovers) in an open campfire.

5. The Purchaser will provide each employee with a copy of Attachment D "Working in Bear Habitat" Brochure.

6. The Purchaser will comply with Attachment F, the Helena/Lewis & Clark National Forest Food Storage Order #R1-2023-02.

7. The Purchaser will halt logging operations and notify the Forest Officer upon identification of a raptor nest or female grizzly bear.

M. PROTECTION OF SENSITIVE PLANTS: If previously undocumented populations of sensitive plants listed on the Regional Forester's Sensitive Species List are encountered, the Purchaser shall immediately notify the Forest Officer. The Purchaser may be required to suspend operations in the vicinity of the observation or discovery. If suspended, operations may resume only if authorized by the Forest Officer.

SAMPLE

VII. LOGGING

A. TREES DESIGNATED FOR CUTTING: All trees meeting the following requirements must be cut by the Purchaser.

1. TREES IN UNITS: Trees that meet the Minimum Log Size of Trees Designated for Cutting in Table 2 are to be cut in each unit according to the Marking specifications shown in Section VII.F. UNIT DESIGNATIONS.

2. RIGHT-OF-WAY TREES: All trees within road right-of-way boundaries must be cut.

3. DAMAGED TREES: Reserved trees, which are root-cut, damaged by felling or skidding, uprooted or broken off by the Purchasers operations may be designated for cutting by the Forest Officer. The Forest Officer may mark additional reserve trees to replace those that have been cut or damaged.

4. FIRE KILL, INSECT INFESTATIONS AND WIND THROWN: The Purchaser may be required to cut and remove at current contract rates, fire-killed, high hazard, disease infected, insect-infested or wind thrown (defined as blown down or wind-damaged to the extent that the tree is expected to fall or is dying) trees that occur in any part of the gross sale area while this Contract is in effect, if the Forest Officer determines that the stumpage value per ton of the additional timber is approximately equal to the value of the timber being harvested under this Contract .

B. TREES RESERVED FROM CUTTING:

1. LEAVE TREES: Trees, both live and dead, marked to leave or otherwise described to leave are reserved from cutting. Any trees not specifically required to be cut are reserved from cutting.

2. BOUNDARY AND BEARING TREES: Trees marking the boundaries of ownership, logging units, equipment restriction zones, streamside management zones, road rights-of-way, and bearing trees, are reserved from cutting unless otherwise designated by this Contract or by the Forest Officer.

3. VALID CLAIMS: Timber to which there exists a claim under valid contracts with the State of Montana is exempted from this sale.

4. FIVE-NEEDLED PINES: No five-needled pine is to be cut, whether designated as a leave tree or not.

C. LOG MANUFACTURING AND RECOVERY STANDARDS:

1. SAWLOG STANDARDS: Trees cut by the Purchaser shall be manufactured to secure the maximum utilization of forest products according to III.G.1. All logs that meet or exceed the Manufacturing and Recovery Standards in Table 2 and this section shall be skidded to landings and hauled by the Purchaser.

   a. Logs shall be bucked to utilize the entire length of the tree to the top diameter specified under Manufacturing and Recovery Standards in Table 2.

   b. Logs meeting utilization specifications in Table 2 shall be manufactured in such a manner as to minimize waste during bucking operations.

   c. A tree or log larger than 5.6” top DIB is considered to be a sawlog if it contains Scribner Decimal C Net Scale ≥ 33% of Gross.

SAMPLE

2. OTHER MATERIAL:

For Units 5b, 7b, 7f, 7g, 7h, 7ia, 7ib, 9a, 9b, 9c, 9d, 11:

The Purchaser may elect to remove other material that does not meet Sawlog Manufacturing and Recovery Standards in Table 2, only if approved by the Forest Officer. Such products shall be billed at the rate for other material shown in Table 1.

For Units 1, 2, 3a, 3b, 3c, 5a, 7a, 7c, 7d, 7e, 10:

The Purchaser **is required to cut, skid and haul Other Material** that does not meet Sawlog Manufacturing and Recovery Standards in Table 2. The Purchaser may elect to remove Other Material as approved by the Forest Officer. Such products shall be billed at the rate for Other Material shown in Table 1.

If the purchaser elects not to remove other material the **purchaser will be required to deck the material** as directed by the Forest Officer; this may require removal to areas on permanent National Forest System Roads.

a. All contract provisions apply to the removal of Other Material.

b. Other Material that has been manufactured by the Purchaser shall be decked and hauled separately from sawlogs. All decked non-sawlog material must be hauled, or disposed of by the Purchaser in accordance with instructions of the Forest Officer. All hauled loads will have a truck ticket assigned and will meet the specifications in Section III, MEASUREMENT AND LOG ACCOUNTABILITY.

c. Butt cut logs (the first log cut above the stump) that meet LOG MANUFACTURING AND RECOVERY STANDARDS in Table 2, but do not meet TREES DESIGNATED FOR CUTTING minimum top DIB and length, may be considered as Other Material, not sawlogs.

d. **Dead lodgepole pine is considered Other Material and not sawlog material.**

3. DOWN WOODY MATERIAL: **5** to 10 tons per acre of downed woody material larger than 3 inches in diameter shall be left scattered throughout the sale units. The Forest Officer will determine the appropriate amount of material and may designate pieces to be left for this purpose that would otherwise be skidded and hauled under Sections VII.C.1 or VII.C.2, LOG MANUFACTURING AND RECOVERY STANDARDS.

4. NUTRIENT RETENTION: Removal from the site of fine branches and leafy material shall be minimized unless whole tree yarding is specified in VII.F Unit Designations.

5. SNAGS: SNAGS: The purchaser will retain all leave tree (orange) marked snags (standing dead tree) and snag recruitment trees within each harvest unit. If marked snags present human safety concerns, the purchaser may substitute snag recruits for snags upon approval of the Forest Officer.

a. Unmarked snags greater than or equal to 20 inches in diameter at breast height (DBH) **are not** required to be cut or skidded from harvest units and may be left on-site at the discretion of the purchaser.

b. Any snag and recruitment tree greater than or equal to 20 inches DBH cut for safety purposes shall remain in the unit.

c. All unmarked snags (non-leave tree) less than 20 inches DBH meeting standards in Sections VII.C.1 or VII.C.2, LOG MANUFACTURING AND RECOVERY STANDARDS are to be cut and removed from the harvest unit.

SAMPLE

TABLE 2.					
	TREES DESIGNATED FOR CUTTING		**LOG MANUFACTURING AND RECOVERY STANDARDS**		
	The Purchaser must fell all trees marked or designated for cutting that contain a log of this minimum size.		The Purchaser must skid and haul all sawlogs that meet this minimum specification. The Purchaser must handle Other Material according to contract provision V. II. C.2		
PRODUCT	Top DIB	Length	Top DIB	Length	
Sawlogs	**5.6”**	**16.5’**	**5.6” – 8.5”** **8.6” +**	**10.5’** **8.5”**	**Sawlogs** meeting standards in Section VII.C.1.b through c.
Other Material	**3.0”**	**16.5’**	**3.0”**	**16.5”**	

D. TREE AND BOUNDARY MARKING:

1. TREES MARKED TO CUT: N/A
2. TREES MARKED TO LEAVE: Marked with a horizonal **orange** paint mark at Diameter Breast Height (DBH) and a mark below stump height.
3. HARVEST UNIT BOUNDARIES: Marked with three vertical **orange** paint stripes facing into the unit and a mark below stump height.
4. ROAD RIGHT-OF-WAY BOUNDARIES: N/A
5. PROPERTY BOUNDARIES: N/A
6. STREAMSIDE MANAGEMENT ZONE BOUNDARIES: N/A
7. EQUIPMENT RESTRICTION ZONE BOUNDARIES: N/A

E. HARVEST SCHEDULE: The purchaser must cut and remove trees from the sale or portions of the sale, such as units, by the dates shown on the HARVEST COMPLETION SCHEDULE, Table 3:

TABLE 3. HARVEST COMPLETION SCHEDULE		
Priority	Unit or Portion of Sale	Completion Date
1	**1, 2, 3a, 3b, 3c, 5a, 5b, 7a, 7b, 7c, 7d, 7e, 7f, 7g, 7h, 7ia, 7ib, 9a, 9b, 9c, 9d, 10, 11**	**September 1, 2029**

F. UNIT DESIGNATIONS: The following requirements are to be performed by the Purchaser in the harvest units listed below and as shown on the sale map, Attachment A. Paragraph headings refer to paragraphs listed in Section VII.G, SPECIAL OPERATING REQUIREMENTS.

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HARVEST UNIT NUMBER(S)	ACRES	ESTIMATED VOLUME (Tons)	
Optional Units		Sawtimber	Other Material
1	6	200	29
3a	15	164	452
3c	39	320	309
YARDING METHOD: Whole Tree - Tractor			
MARKING: Orange Leave Tree			
OPERATING PERIOD: When conditions meet VII.L.1.a-c and VII.O. (EXCLUDING first 2 weeks of General Big Game Hunting rifle season). Acceptable cooperating conditions generally occur between July 1 and March 1 but can become unacceptable at any time.			
SPECIAL OPERATING REQUIREMENTS: 1. Meadow Protection			

HARVEST UNIT NUMBER(S)	ACRES	ESTIMATED VOLUME (Tons)	
Optional Unit		Sawtimber	Other Material
2	58	399	672
YARDING METHOD: Whole Tree - Tractor			
MARKING: Orange Leave Tree			
OPERATING PERIOD: When conditions meet VII.L.1.a-c and VII.N. (EXCLUDING first 2 weeks of General Big Game Hunting rifle season). Acceptable operating conditions generally occur between July 1 and March 1 but can become unacceptable at any time.			
SPECIAL OPERATING REQUIREMENTS: 1. Meadow Protection 2. Excavator Constructed Fireline (0.20 mile) 3. Pre-Designated Skid Trail and Log Landing Locations			

HARVEST UNIT NUMBER(S)	ACRES	ESTIMATED VOLUME (Tons)	
Optional Unit		Sawtimber	Other Material
3b	14	86	211
YARDING METHOD: Whole Tree - Tractor			
MARKING: Orange Leave Tree			
OPERATING PERIOD: When conditions meet VII.L.1.a-c and VII.N. (EXCLUDING first 2 weeks of General Big Game Hunting rifle season). Acceptable operating conditions generally occur between July 1 and March 1 but can become unacceptable at any time.			
SPECIAL OPERATING REQUIREMENTS: 1. Meadow Protection 3. Pre-Designated Skid Trail and Log Landing Locations			

SAMPLE

HARVEST UNIT NUMBER(S)	ACRES	ESTIMATED VOLUME (Tons)	
		Sawtimber	Other Material
5a	70	2808	368
5b	8	123	171
7a	16	443	251
7b	19	364	276
7c	55	786	686
7d	22	305	260
7e	20	62	151
7f	18	233	310
7h	41	480	539
10	22	592	316
YARDING METHOD: Whole Tree - Tractor			
MARKING: Orange Leave Tree			
OPERATING PERIOD: When conditions meet VII.L.1.a-c and VII.O. (EXCLUDING first 2 weeks of General Big Game Hunting rifle season). Acceptable cooperating conditions generally occur between July 1 and March 1 but can become unacceptable at any time.			
SPECIAL OPERATING REQUIREMENTS: 1. Meadow Protection			

HARVEST UNIT NUMBER(S)	ACRES	ESTIMATED VOLUME (Tons)	
		Sawtimber	Other Material
7g	36	412	240
YARDING METHOD: Whole Tree - Tractor			
MARKING: Orange Leave Tree			
OPERATING PERIOD: When conditions meet VII.L.1.a-c and VII.N. (EXCLUDING first 2 weeks of General Big Game Hunting rifle season). Acceptable operating conditions generally occur between July 1 and March 1 but can become unacceptable at any time.			
SPECIAL OPERATING REQUIREMENTS: 1. Meadow Protection 5. Sensitive Plant Population Avoidance			

HARVEST UNIT NUMBER(S)	ACRES	ESTIMATED VOLUME (Tons)	
		Sawtimber	Other Material
7ia	28	570	352
YARDING METHOD: Whole Tree - Tractor			
MARKING: Orange Leave Tree			
OPERATING PERIOD: When conditions meet VII.L.1.a-c and VII.N. (EXCLUDING first 2 weeks of General Big Game Hunting rifle season). Acceptable operating conditions generally occur between July 1 and March 1 but can become unacceptable at any time.			

SAMPLE

SPECIAL OPERATING REQUIREMENTS: 1. Meadow Protection 2. Excavator Constructed Fireline (Unit 7ia - 0.41 mile)

HARVEST UNIT NUMBER(S)	ACRES	ESTIMATED VOLUME (Tons)	
		Sawtimber	Other Material
7ib	26	370	397
YARDING METHOD: Whole Tree - Tractor			
MARKING: Orange Leave Tree			
OPERATING PERIOD: When conditions meet VII.L.1.a-c and VII.N. (EXCLUDING first 2 weeks of General Big Game Hunting rifle season). Acceptable operating conditions generally occur between July 1 and March 1 but can become unacceptable at any time.			
SPECIAL OPERATING REQUIREMENTS: 1. Meadow Protection 2. Excavator Constructed Fireline (Unit 7ib - 0.19 mile) 5. Sensitive Plant Population Avoidance			

HARVEST UNIT NUMBER(S)	ACRES	ESTIMATED VOLUME (Tons)	
		Sawtimber	Other Material
9a	2	77	11
9b	5	293	88
9c	10	188	67
9d	6	140	21
11	5	227	31
YARDING METHOD: Whole Tree - Tractor			
MARKING: Orange Leave Tree			
OPERATING PERIOD: When conditions meet VII.L.1.a-c and VII.N. (EXCLUDING first 2 weeks of General Big Game Hunting rifle season). Acceptable operating conditions generally occur between December 1 and March 1 but can become unacceptable at any time.			
SPECIAL OPERATING REQUIREMENTS: 1. Meadow Protection 4. Winter Logging			

G. SPECIAL OPERATING REQUIREMENTS: The following requirements are to be performed by the Purchaser in specific sale units as shown in Section VII.F, UNIT DESIGNATIONS.

1. Meadow Protection: Vehicular or skidding equipment shall not be used in meadows, except where road, landing, and skid trail locations are approved in advance of construction or by the Forest Officer.

2. Excavator Constructed Fireline: Firelines shall be constructed by excavator around the designated portions of the perimeter of each cutting unit. See Attachment A-4-Road and Fireline Construction Reference Map for fireline construction locations. The fireline will be constructed and cleared completely to expose mineral soil so that a continuous mineral soil line ranges from 18 to 36 inches in width and not any deeper than 6 inches. Do not bury or cover slash with soil during the construction of the fireline. Scatter all soil and duff material removed in fireline

SAMPLE

construction outside of the fireline. Scatter all vegetative material removed in fireline construction within the boundary of the cutting unit and avoid concentrating fuel next to the fireline. Water bars will be properly constructed and installed at intervals designated by the Forest Officer to ensure adequate water diversion.

3. Pre-Designated Skid Trail and Log Landing Locations: Designated skid trail and log landing locations shall be flagged by the Purchaser with fluorescent pink flagging at locations indicated on Attachment A-5 Special Operating Requirements Reference Map and approved by the Forest Officer prior to felling trees in the unit. The purpose of pre-designated skid trail and landing locations is to protect visual screening adjacent to the harvest boundary provided by sapling and pole-sized conifers. Log landings are permitted only at pre-designated locations and skidding across harvest unit boundaries is permitted only on designated skid trails. No skid trails or log landings shall be located outside harvest unit boundaries unless approved by Forest Officer prior to skidding.
4. Winter Logging: All ground-based equipment will be limited to winter operating conditions with frozen or snow-covered ground.
5. Sensitive Plant Population Avoidance: No ground disturbing activity (eg. Temp road construction, fireline construction, equipment operation staging or log landing operations) will occur within the known sensitive plant population area indicated on Attachment A-5.

H. LOGGING OPERATIONS PLAN: The Forest Officer shall approve a plan for felling, yarding, and landing logs (both Sawlogs and Other Material) in each harvest unit prior to the start of operations in that unit.

I. SKID TRAIL LAYOUT AND YARDING PLAN: The Purchaser must follow these requirements along with those shown under VII.G. SPECIAL OPERATING REQUIREMENTS when developing a yarding plan for each unit. The Forest Officer may approve exceptions to these requirements in writing.

1. The Purchaser shall lay out skid trails and have locations approved by the Forest Officer prior to felling trees.
2. All skid trails will be located within the harvest unit boundaries.
3. Any constructed skid trails shall be completed and approved by the Forest Officer prior to felling timber.
4. Skid trails will not be located in draws, and may only cross draws at locations flagged and approved by the Forest Officer.

J. LANDINGS AND LOG DECKS:

1. The Purchaser shall construct landings at locations approved by the Forest Officer prior to felling timber.
2. Landings shall be kept to the minimum size necessary to allow the safe handling of logs. The Forest Officer must approve landing size.
3. All deck locations shall be approved by the Forest Officer prior to clearing or use. Decks shall be located so as to minimize the number of trees cut for construction of the deck area.

K. FELLING:

1. In each harvest unit, a felling pattern shall be used which conforms to the logging operations plan and causes the least damage to reserve trees and other resources.
2. Felling shall be systematic and continuous to avoid lost logs and minimize the number of skidding trips.

SAMPLE

3. Trees shall be directionally felled away from features requiring protection within or adjacent to harvest units. Features requiring protection include streams, meadows, wet areas, and areas specified under Section VII.F. UNIT DESIGNATIONS. Wedges, jacks, winches, or other special equipment may be required to direct trees when felling. Trees falling into protection areas shall be winch-line skidded out of protected features. All necessary mitigation for damage caused by improper and/or non-approved felling into a protected zone is the responsibility of the Purchaser. The Forest Officer must approve all mitigation work.

4. Traffic Control Required For Felling along Roads: If felling operations occur along public roads, traffic guards with "STOP" signs shall be posted 500 feet in both directions from the units on open roads, providing a safety zone to warn oncoming traffic that logging operations are in progress. All traffic shall be stopped when tree felling is in progress. Traffic stops should not exceed 15 minutes at any one time. All saws will be shut off when traffic is moving through the safety zone. Wedges and/or jacks shall be used to ensure trees do not fall onto the roadway. In the event a tree falls across the roadway, all debris shall be removed immediately from the roadway and right-of-way. The Forest Officer must approve any extended road closures for logging operations.

L. YARDING AND MECHANICAL FELLING: The Purchaser must follow these requirements during logging operations, along with those shown under Section VII.G. SPECIAL OPERATING REQUIREMENTS. The Forest Officer will determine when restrictive conditions apply, and may approve exceptions to these requirements in writing.

1. Soil Compaction Restrictions: In order to prevent soil resource impacts, ground-based mechanical felling and yarding are restricted to periods when one or more of the following conditions occur:

   a. Soil moisture content at 4-inch depth less than 20% oven-dry weight.

   b. Minimum frost depth of 4 inches.

   c. Minimum snow depth of 18 inches, loose, or 12 inches, packed.

2. Suspended Operations for Soil Compaction and Displacement: The Purchaser will be required to restrict or suspend logging operations when soils are subject to compaction or displacement by heavy equipment.

3. Equipment Restrictions:

   a. Equipment shall not be operated in areas designated as EQUIPMENT RESTRICTION ZONES, WETLAND MANAGEMENT ZONES, RIPARIAN MANAGEMENT ZONES, or STREAMSIDE MANAGEMENT ZONES as shown in Section VII.D.6 and 7, unless authorized by this Contract or the Forest Officer.

   b. Equipment shall not be operated in soft soils, boggy areas or areas where skidding would cause excessive compaction and displacement.

   c. Any trees designated for harvest within such zones shall be winchline skidded to skid trails outside the zone.

   d. Slash will not be piled in or pushed into these zones.

   e. The Forest Officer must approve any designated crossings of restricted areas.

4. Protection of Reserved Trees: The Purchaser shall exercise reasonable care to prevent damage to trees reserved from cutting during logging operations.

M. CLEAN-UP AND COMPLETION: The Purchaser must follow these requirements and those shown under Section VII.G. SPECIAL OPERATING REQUIREMENTS during logging operations. The Forest

SAMPLE

Officer will determine when restrictive conditions apply, specifications and dates to meet these requirements and may approve exceptions in writing. The Forest Officer must approve all designated work prior to the removal of Purchaser's equipment.

1. Slashing: The Purchaser shall fell all submerchantable trees with logging-related root or stem damage, causing lean. The stem shall be completely severed from the stump below the lowest live limb. Maximum stump height shall be 12 inches on the uphill side. The total slash depth, including branches, must be within 18 inches of the ground.

2. Logging Debris Confined To Units: All debris from logging shall be confined within the harvest unit boundaries. Any logging debris outside a harvest unit must be returned to within the unit boundary.

3. Skidding Debris on Roads: The Purchaser shall remove logging slash remaining on any portion of a road cutbank or traveled way. Cut and fill slopes, ditches, or road surfaces damaged by skidding operations shall be restored to original conditions. Reseeding is required if vegetation is damaged by skidding.

4. Repair of Improvements: Damage caused by the Purchaser's operations to culverts, waterlines, fences, roads, bridges, gates, cattleguards, signs, and all other improvements must be adequately repaired or replaced.

5. Erosion Control:

    a. The Purchaser shall construct slash and debris erosion barriers, dips, water bars or ditches in skid trails, landings, and firelines as directed by the Forest Officer.

    b. The kinds and frequency of erosion control structures shall be adjusted to soil types, topography and climatic conditions as directed by the Forest Officer.

    c. The Purchaser is required to recontour any excavated skid trails, and provide for effective erosion control in the trail location as directed by the Forest Officer.

    d. Erosion control work shall commence as soon as skidding is completed on each skid trail or landing, and must be kept current with unit operations.

    e. Erosion control work shall be completed and approved by the Forest Officer in unfinished units before operations cease for inactive periods including heavy winter snowfall, spring breakup and restricted dates.

    f. All erosion control work in each unit shall be completed prior to notification pursuant to Section VII.M.7. Acceptance of Completed Harvest Units.

    g. The Purchaser shall maintain erosion control structures in active sale areas throughout the contract period or extensions thereof.

6. Landing and Decking Area Cleanup: The Purchaser is required to pile logging residues on landings and log-decking areas. Proper equipment (e.g. brush blade, log loader) shall be used to ensure that no dirt is incorporated into the piles. Mechanical scarification of landing and decking areas may be required. Where logs have been decked on the downhill or fill side of a road, the Purchaser may be required to pile residue with a log loader or by hand. Residue piles shall be a minimum of 15 feet away from any live trees. Piles shall be located and constructed as directed by the Forest Officer.

7. Systematic Harvest Unit Operations: When harvest operations are begun on a designated harvest unit, the harvest operations on that unit shall be fully completed before cutting may begin on other harvest units.

SAMPLE

8. Acceptance of Completed Harvest Units: The Forest Officer shall notify the Purchaser in writing when all contract requirements for each specified harvest unit or area have been met. After notice has been received, the Purchaser is not required to do additional work on the specified area except as provided in Section VII.A.4. FIRE KILL, INSECT INFESTATION, AND WIND THROWN.

9. RESEEDING: The purchaser shall apply seed to skid trails, landings, obliterated roads and other areas disturbed by logging as directed by Forest Officer. Appropriate seed mix specified per ATTACHMENT B, Table B-2 and Grass Seeding Specifications.

N. HAULING RESTRICTIONS: The Purchaser will be required to restrict or suspend hauling during periods when the compacted road surface would be damaged, as directed by the Forest Officer. Restrictions are required when hauling would cause rutting into the subgrade, or surfacing materials would be displaced, such as during heavy rainfall or spring breakup freezing and thawing cycles

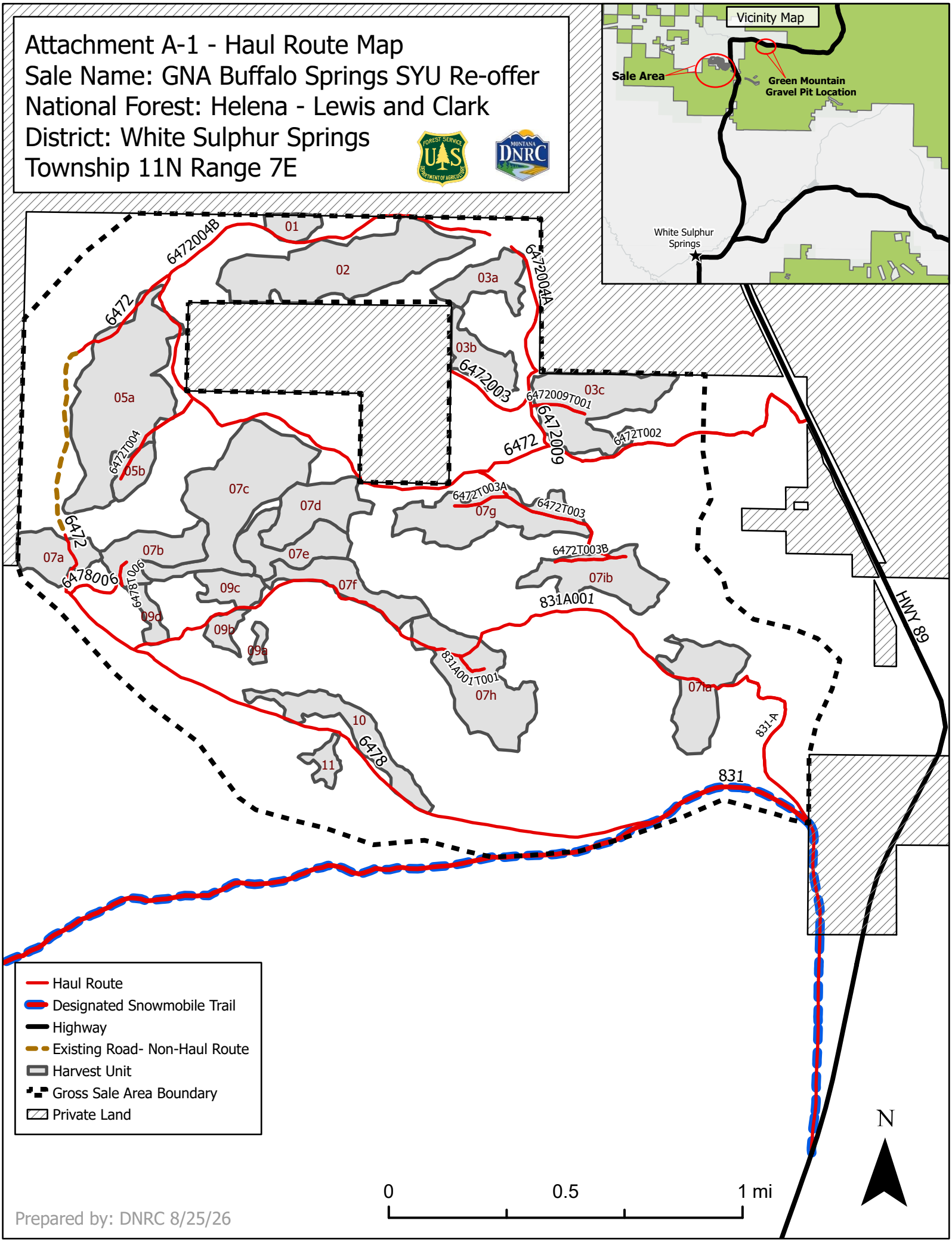
1. **No log hauling on weekends during snowmobile season, Dec 1 – May 15 and on Federal Holidays to minimize conflicts with public users unless otherwise approved by the District Ranger. Exceptions to holiday closures are MLK's Birthday, Washington's Birthday, and Columbus Day.**

2. **Logging operations are prohibited during the first two weeks of the general rifle season.**

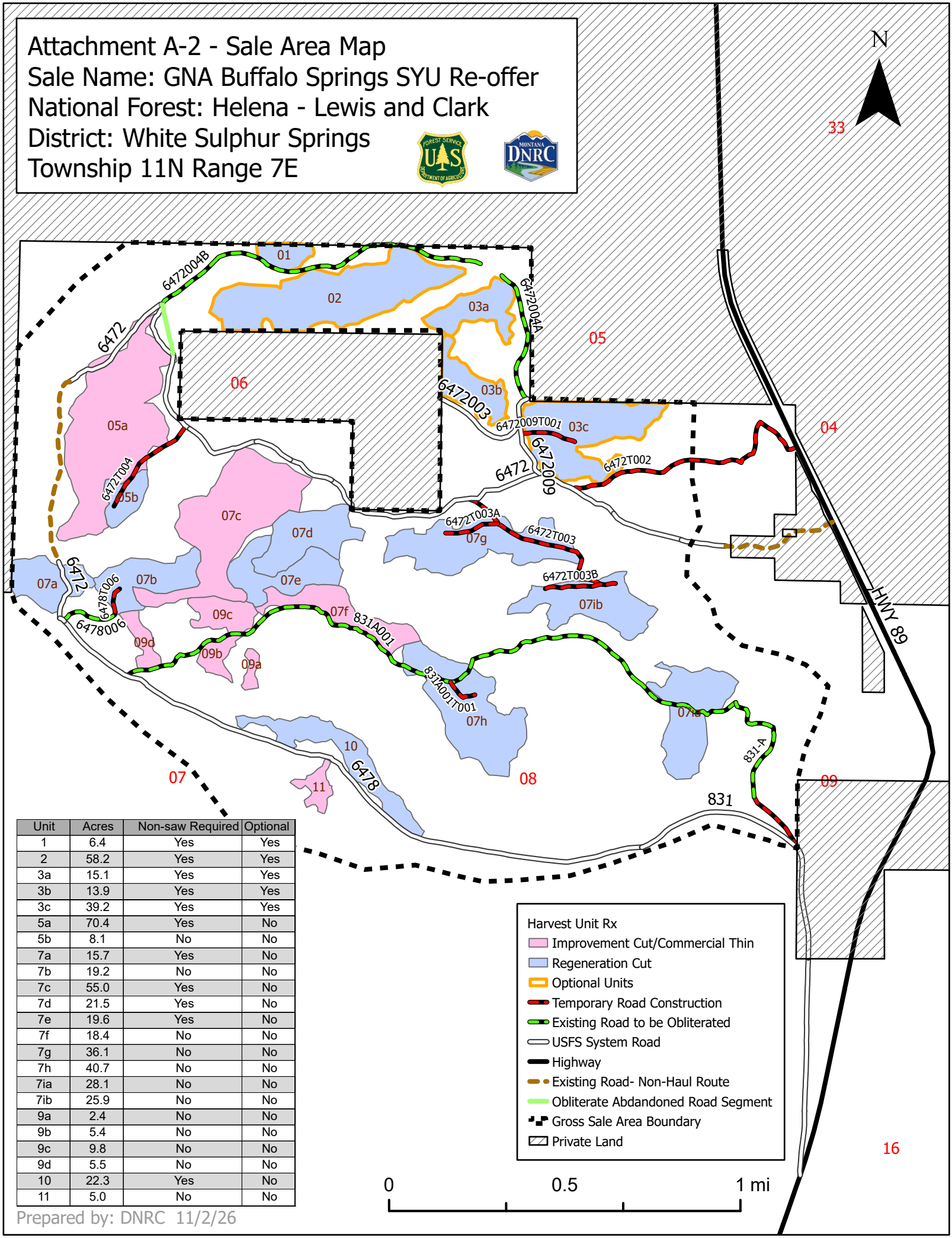
3. **Designated snowmobile trails and travel routes should remain clear of logging debris and equipment and open for weekend public use.**

O. LOGGING OPERATIONS SAFETY SIGNS: Road signs warning of logging and road construction operations shall be posted 500 feet from the operations. When log hauling is in progress, warning signs shall be posted at major road junctions as directed by the Forest Officer. Warning signs must comply with specifications in the Manual on Uniform Traffic Control Devices.

SAMPLE

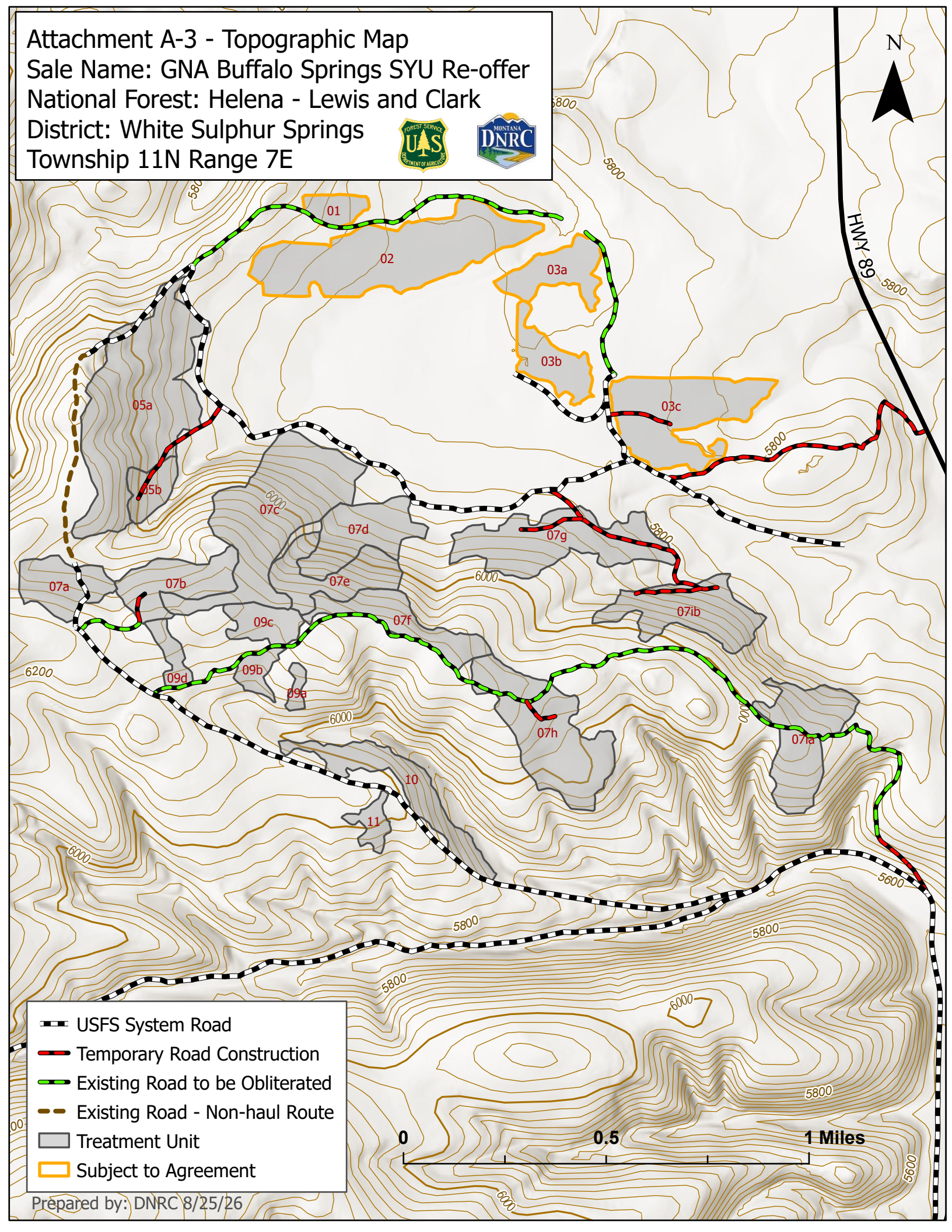

Attachment A-1 - Haul Route Map
Sale Name: GNA Buffalo Springs SYU Re-offer
National Forest: Helena - Lewis and Clark
District: White Sulphur Springs
Township 11N Range 7E
Vicinity Map
Sale Area
Green Mountain Gravel Pit Location
White Sulphur Springs
6472004B
6472004A
6472
6472003
6472009T001
6472009
6472T002
6472T004
6472T003A
6472T003
6472T003B
6478006
6478T006
831A001
831A001T001
831-A
831
6478
HWY 89
01
02
03a
03b
03c
05a
05b
07a
07b
07c
07d
07e
07f
07g
07h
07ia
07ib
09a
09b
09c
09d
10
11
Haul Route
Designated Snowmobile Trail
Highway
Existing Road- Non-Haul Route
Harvest Unit
Gross Sale Area Boundary
Private Land
N
0
0.5
1 mi
Prepared by: DNRC 8/25/26

Attachment A-2 - Sale Area Map
Sale Name: GNA Buffalo Springs SYU Re-offer
National Forest: Helena - Lewis and Clark
District: White Sulphur Springs
Township 11N Range 7E



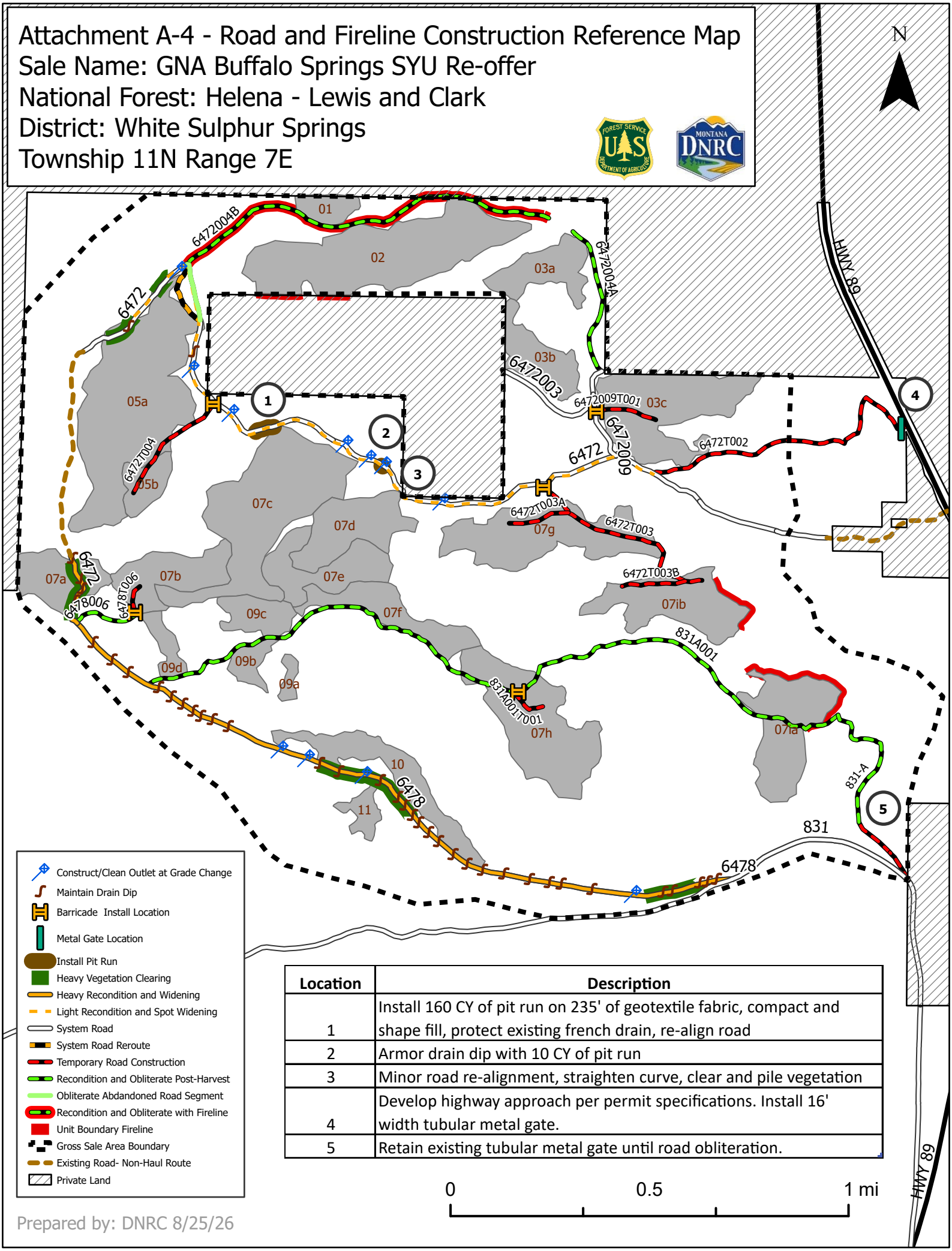
Unit	Acres	Non-saw Required	Optional
1	6.4	Yes	Yes
2	58.2	Yes	Yes
3a	15.1	Yes	Yes
3b	13.9	Yes	Yes
3c	39.2	Yes	Yes
5a	70.4	Yes	No
5b	8.1	No	No
7a	15.7	Yes	No
7b	19.2	No	No
7c	55.0	Yes	No
7d	21.5	Yes	No
7e	19.6	Yes	No
7f	18.4	No	No
7g	36.1	No	No
7h	40.7	No	No
7ia	28.1	No	No
7ib	25.9	No	No
9a	2.4	No	No
9b	5.4	No	No
9c	9.8	No	No
9d	5.5	No	No
10	22.3	Yes	No
11	5.0	No	No

Prepared by: DNRC 11/2/26


Attachment A-3 - Topographic Map
Sale Name: GNA Buffalo Springs SYU Re-offer
National Forest: Helena - Lewis and Clark
District: White Sulphur Springs
Township 11N Range 7E
N
HWY 89
01
02
03a
03b
03c
05a
05b
07a
07b
07c
07d
07e
07f
07g
07h
07ib
07ia
09a
09b
09c
09d
10
11
5800
6000
6200
5600
USFS System Road
Temporary Road Construction
Existing Road to be Obliterated
Existing Road - Non-haul Route
Treatment Unit
Subject to Agreement
0
0.5
1 Miles
Prepared by: DNRC 8/25/26

Attachment A-4 - Road and Fireline Construction Reference Map

Sale Name: GNA Buffalo Springs SYU Re-offer
National Forest: Helena - Lewis and Clark
District: White Sulphur Springs
Township 11N Range 7E

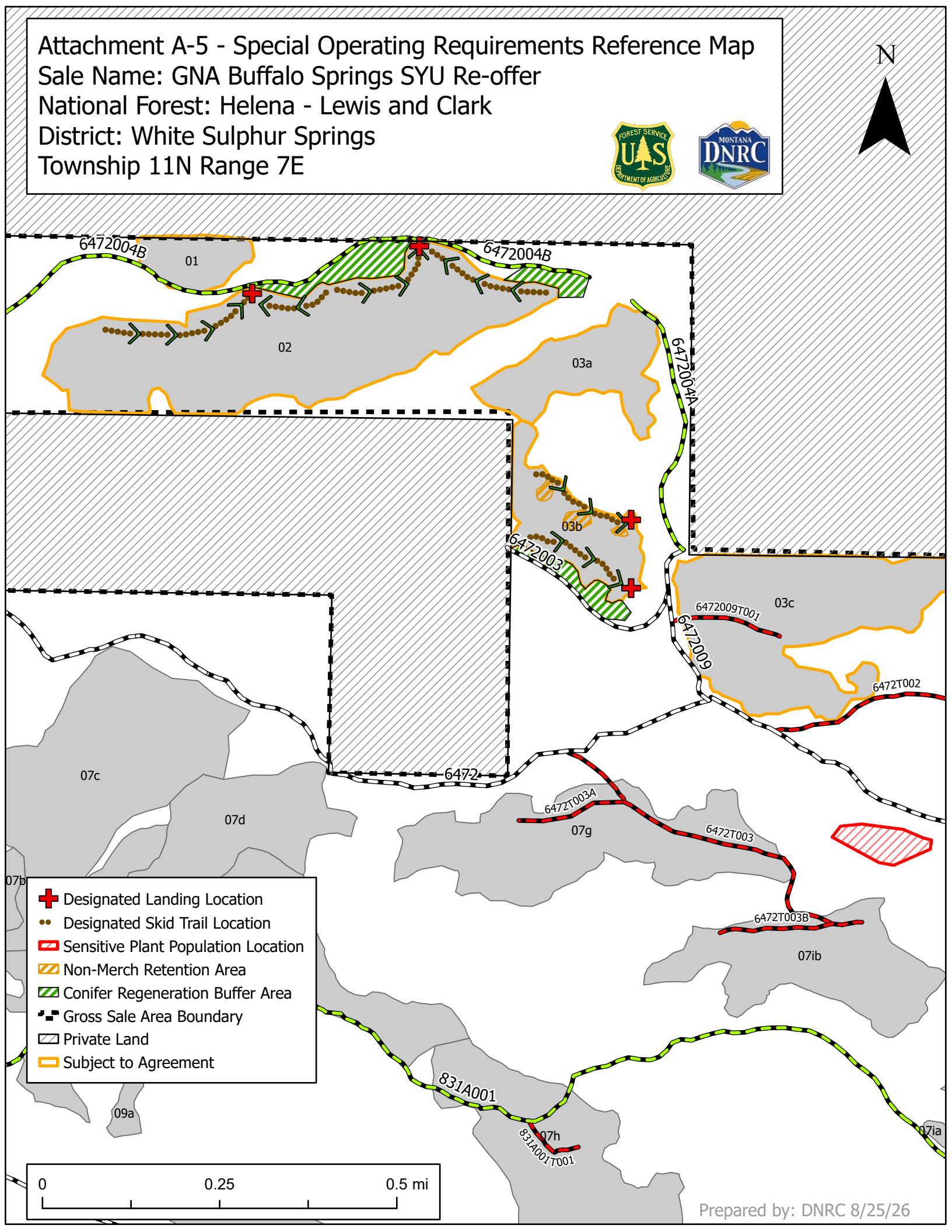


Location	Description
1	Install 160 CY of pit run on 235' of geotextile fabric, compact and shape fill, protect existing french drain, re-align road
2	Armor drain dip with 10 CY of pit run
3	Minor road re-alignment, straighten curve, clear and pile vegetation
4	Develop highway approach per permit specifications. Install 16' width tubular metal gate.
5	Retain existing tubular metal gate until road obliteration.

- Construct/Clean Outlet at Grade Change
- Maintain Drain Dip
- Barricade Install Location
- Metal Gate Location
- Install Pit Run
- Heavy Vegetation Clearing
- Heavy Recondition and Widening
- Light Recondition and Spot Widening
- System Road
- System Road Reroute
- Temporary Road Construction
- Recondition and Obliterate Post-Harvest
- Obliterate Abdandoned Road Segment
- Recondition and Obliterate with Fireline
- Unit Boundary Fireline
- Gross Sale Area Boundary
- Existing Road- Non-Haul Route
- Private Land

0 0.5 1 mi

Prepared by: DNRC 8/25/26


Attachment A-5 - Special Operating Requirements Reference Map
Sale Name: GNA Buffalo Springs SYU Re-offer
National Forest: Helena - Lewis and Clark
District: White Sulphur Springs
Township 11N Range 7E
N
6472004B
01
6472004B
02
03a
6472004A
03b
6472003
03c
6472009T001
6472009
6472T002
07c
6472
07d
6472T003A
07g
6472T003
6472T003B
07ib
07b
09a
831A001
07h
831A001T001
07ia
Designated Landing Location
Designated Skid Trail Location
Sensitive Plant Population Location
Non-Merch Retention Area
Conifer Regeneration Buffer Area
Gross Sale Area Boundary
Private Land
Subject to Agreement
0
0.25
0.5 mi
Prepared by: DNRC 8/25/26

STATE OF MONTANA
TIMBER SALE CONTRACT
ATTACHMENT B

ROAD MAINTENACE, RECONSTRUCTION & TEMPORARY ROAD CONSTRUCTION SPECIFICATIONS	
SALE NAME **GNA Buffalo Springs SYU Re-offer**	**SALE NUMBER**

I. CONSTRUCTION REQUIREMENTS

A. ROADS: The Purchaser is required to construct, improve and maintain the roads shown in Table B-1 per the schedules stated, as shown on the Sale Map, Attachment A, and to the specifications and drawings in Attachment B and other applicable attachments.

TABLE B-1. ROAD CONSTRUCTION REQUIREMENTS

Road Name or Number	Approximate Length (Miles)	Type of Work	Operation Period	Completion Date or Requirement
FS Road 831	1.43	Maintenance	As needed/commensurate with use *Note: No road construction, reconstruction, maintenance, or obliteration work shall occur during the 1st 2 weeks of General Big Game Hunting rifle season.*	All pre-haul work indicated in *Section VII Road Log and Site Descriptions* must all be completed prior to hauling logs and no later than October 15, 2029.
FS Road 6478	1.87	Recondition, Widening, Improvement, & Maintenance		
FS Road 6478006	0.16	Recondition, Maintenance, & Obliteration		
FS Road 6478T006	0.07	Construction, Maintenance, & Obliteration		
FS Road 831A	0.56	Construction, Reconstruction, Maintenance, & Obliteration		
FS Road 831A001	2.04	Recondition, Widening, Maintenance, & Obliteration		
FS Road 831A001T001	0.09	Construction, Maintenance, & Obliteration		
FS Road 6472	2.81	Recondition, Widening, Improvement, Relocation, Maintenance, & Obliteration		
FS Road 6472T002	0.78	Reconstruction, Maintenance, & Obliteration		
FS Road 6472T003	0.43	Construction, Maintenance, & Obliteration	As needed/commensurate with use.	All pre-haul work indicated in *Section VII Road Log and Site*

FS Road 6472T003A	0.15	Construction, Maintenance, & Obliteration		*Descriptions* must all be completed prior to hauling logs and no later than October 15, 2029.
FS Road 6472T003B	0.16	Construction, Maintenance, & Obliteration		
FS Road 6472T004	0.31	Construction, Maintenance, & Obliteration		
FS Road 6472009 (Optional)	0.17	Maintenance		
FS Road 6472009T001 (Optional)	0.16	Construction, Maintenance, & Obliteration		
FS Road 6472004A (Optional)	0.97	Maintenance & Obliteration		
FS Road 6472004B (Optional)	0.31	Maintenance & Obliteration		
FS Road 6472003 (Optional)	0.10	Maintenance		

B. ROAD CONSTRUCTION MATERIALS ESTIMATE:

TABLE B-2: MATERIALS FURNISHED AND INSTALLED BY THE PURCHASER:

The Purchaser is required to furnish the described material and install as required in Attachment B. Quantities are estimated, and the Attachment B requirements and specifications must be met regardless of the estimated amounts. All materials furnished by the Purchaser become the property of the State when installed. If, due to a minor design change, material is not installed, the material will be delivered to the nearest DNRC Unit Office and become property of the State upon delivery.

Corrugated Metal Pipe				Other Materials	
No.	Diameter	Length	Gauge	Amount	Description
1	24”	36’	16	2,937 sq. ft.	235-feet length by 12.5-feet width of Intermediate Grade Woven Geotextile fabric with minimum 200 lb per sq. ft. tensile strength.
				1	16-foot width Tubular Metal Gate with Posts (*temporary installation at highway approach, gate and associated hardware are property of Purchaser upon removal and project completion*)
				1	Galvanized corrugated metal culvert pipe with flared ends (*temporary installation at highway approach, culvert and associated hardware are property of Purchaser upon removal and project completion*)
				5	Type 3 Road Closure Reflective Barricade with Reflective Road Closed Sign *(barricades will remain property of Purchaser upon removal)*

Fill Material		
Yards	Type	Delivery Location
N/A		

TABLE B-2 (CONTINUED): SEED AND FERTILIZER REQUIREMENTS

The Purchaser is required to furnish and apply certified noxious weed-free, pure live seed mixture(s) and fertilizer in the amounts shown. Total pounds mixed seed are pure live seed, corrected for germination and purity. Germination and purity tests must have been conducted within the last 12 months prior to delivery. Purchaser shall furnish documentation of germination and purity tests to the Forest Officer prior to application.

Certified Noxious Weed-Free Seed		Fertilizer	
Pounds	Description	Pounds	Analysis (N-P-K)
2.8	*Elymus glaucus*, Blue Wildrye	N/A	N/A
2.8	*Pseudoroegneria spicate*, Bluebunch Wheatgrass		
8.0	*Bromus marginatus*, Mountain Brome		
0.8	*Poa sandbergii*, Sandbergs Bluegrass		
0.8	*Festuca idahoensis*, Idaho Fescue		
0.54	*Deschampsia cespitosa*, Tufted hairgrass		
4.32	*Nassella viridula*, Green Needlegrass		
0.06	*Achillea millefolium*, Yarrow		
20.12	**Total pounds per acre of seed**		
843	**Total pounds for entire project. Roads, skid trails, landings, etc.**		

TABLE B-2 (Continued): MATERIALS FURNISHED BY THE U.S FOREST SERVICE:

The Purchaser is required to load and haul the described materials from the Forest Service source and install them as required in Attachment B.

Amount	Description
170 Cubic Yards	Pit Run to be sourced from U.S. Forest Service Green Mountain Gravel Pit located adjacent to intersection of US Highway 89 and FS Road 6485. Stock-piled wood chips may in the Gravel Pit need to be moved by the Purchaser to access gravel from designated source location. The height of the relocated chip piles may not exceed current height of adjacent piles due to combustibility.

Fill Material

Yards	Type	Source Location	Delivery Location
160	4” compacted lift of Pit Run (over 235 feet geotextile fabric)	FS Green Mountain Gravel Pit on FS Road 6485	FS Road 6472 MP 1.64
10	Armor Drain Dip	FS Green Mountain Gravel Pit on FS Road 6485	FS Road 6472 MP 2.00

TABLE B-2 (Continued): MATERIALS FURNISHED BY THE PURCHASER FOR DELIVERY:	
The Purchaser is required to furnish the described material, to be delivered and unloaded by the Purchaser at the DNRC Helena Unit office, 8001 N. Montana Ave. Helena, MT 59602. Materials shall be delivered before N/A. All materials furnished by the Purchaser become the property of the State when delivered.	
Amount	Description and Specifications
N/A	

C. MINOR CHANGES: The Forest Officer may require minor changes in location, design or specifications of road construction, improvement or maintenance requirements. Such changes must be within the scope of Attachment B requirements and must not result in a significant (one thousand dollars [$1,000.00] or greater) increase or decrease in cost as agreed to by the Forest Officer and the Purchaser.

D. ADJUSTMENT FOR CHANGE IN REQUIREMENTS: If the State requests a change in road construction, improvement or maintenance specifications and the State in its discretion determines that the change would significantly increase the cost to the Purchaser, then the State must compensate the Purchaser. If the Purchaser requests a change in road construction, improvement or maintenance specifications and the State in its discretion determines that the change is acceptable and would significantly reduce the cost to the Purchaser, then the Purchaser must compensate the State. Compensation to the Purchaser will be in the form of stumpage credit. Compensation to the State will be in cash and will be billed as a supplement to the stumpage bill. All significant changes and compensation will be described in a contract modification.

II. RIGHT-OF-WAY CLEARING

A. CLEAR LIMIT DEFINITIONS are shown in Section IX. SPECIFICATIONS AND DRAWINGS.

B. CLEAR LIMIT MARKING:

1. Clear limits for existing roads are not marked. They are identified in Specification Drawings, Clear Limits and Typical Cross Sections.

C. CLEARING REQUIREMENTS:

1. Brush or trees on existing roads may be removed by sawing individual stems, cutting with a rotary brush cutter, uprooting with an excavator or other methods approved by the Forest Officer.

2. Inside the clear limits, but outside the road prism, trees and brush less than 20 feet tall and less than 3 inches in diameter that do not interfere with visibility or slope stability may be left as directed by the Forest Officer.

3. All merchantable timber within the clear limits on all roads to be constructed under the terms of this Contract shall be cut to the specifications in the timber sale contract and skidded to decks, or decked with an excavator, prior to earth moving.

4. Clearing procedures shall protect residual stands, prevent incorporation of construction slash into the road prism, and protect roadside appearance outside clear limits.

5. Grubbing will be limited to only those stumps and large roots within the road prism.

III. TREATMENT OF RIGHT-OF-WAY CLEARING MATERIALS

A. GENERAL TREATMENT REQUIREMENTS:

1. Road construction slash more than 3 inches in diameter and 6 feet long and all concentrations of slash which would adversely affect the stability of the road shall be disposed of by the methods described in this section.

2. Slash and debris shall not be placed in drainages, roadside ditches or heads of culverts where the flow of water may be obstructed and shall be removed if placed therein.

3. Lopping and scattering is defined as delimbing and sawing slash materials into lengths which will easily scatter to a maximum depth of 18 inches. Materials shall be scattered outside the road prism.

4. All slash to be disposed of by piling and burning shall be piled in burn bays at locations approved by the Forest Officer. Construction of piles will be of such size and at a sufficient distance from trees so that burning does not result in unnecessary damage to remaining trees. The Purchaser may be required to remove any trees damaged by burning operations at current contract rates. If burning is incomplete the residue must be disposed of as directed by the Forest Officer.

B. SIDESLOPES OF 35% OR LESS AND EXISTING ROADS:

1. Disposal will be by hand or machine piling for burning as directed by the Forest Officer.

2. Minor concentrations of slash or individual trees may be disposed of outside of the road prism by lopping and scattering as directed by the Forest Officer.

3. Tree stumps, large boulders and cull logs may be scattered outside the road right-of-way clear limits if approved in writing by the Forest Officer. Scattered stumps and boulders shall be placed away from trees and positioned so they will not roll.

C. SIDESLOPES OF 35% AND GREATER:

1. Treatment will be by excavator only, or by whole tree skidding to a decking area.

2. Where topography and timber types permit, piling for burning will be required as directed by the Forest Officer.

3. Where piling is not practical, treatment will be by windrowing at the toe of the fill. Slash will be windrowed on a trail constructed at the bottom of the right-of-way. Slash will be trampled and covered with organic surface material taken from the road prism as directed by the Forest Officer. Fill material may butt up against but not cover or bury the windrow.

4. Minor concentrations of slash or individual trees may be disposed of by lopping and scattering as directed by the Forest Officer.

5. Tree stumps, large boulders and cull logs may be scattered outside the road right-of-way clear limits if approved in writing by the Forest Officer. Scattered stumps and boulders shall be placed away from trees and positioned so they will not roll.

IV. EXCAVATION AND EMBANKMENT OF FILL MATERIALS

A. EXCAVATION OF ROAD CROSS SECTION:

1. All grubbing and clearing shall be completed prior to the beginning of any excavation.

2. Surface organic layer and ash cap (surface reddish-brown soils with low gravel content) will be bladed to the side of the road and not incorporated into fills.

3. Wasted soils and organic layer will be shaped and spread to natural contours at locations approved by the Forest Officer.

4. When excavating on tangents and when balanced section construction is indicated, the following table will be used as a guideline to determine if sufficient excavation of road solid has occurred. Tolerances for road solid will be +1.0 feet and -0.5 feet.

TABLE B-3: EXCAVATION OF ROAD SOLID

SIDESLOPE PERCENT	ROAD WIDTH		
	12 FT.	14 FT.	16 FT.
	FEET OF ROAD SOLID		
5	8.7	10.1	11.4
10	8.8	10.2	11.5
15	8.9	10.2	11.6
20	8.3	9.5	10.8
25	7.8	8.9	10.1
30	7.6	8.9	10.1
35	7.8	9.0	10.2
40	8.1	9.2	10.6
45	8.5	9.4	11.0
50	8.8	9.8	11.6
55	9.4	10.2	12.2
60	10.1	11.7	13.3
65 & over	12.0	14.0	16.0

B. EMBANKMENT OF FILL MATERIALS:

1. Fill materials shall be unfrozen and free of snow and ice.

2. Fill materials shall be sorted to remove large rocks over 6 inches in diameter near the surface, which may interfere with surface blading.

3. Where possible all fill materials shall be applied in layers not to exceed 18 inches and each layer compacted with heavy equipment prior to application of the next layer.

4. If fill materials are too dry to allow compaction, the Forest Officer may require watering of layers followed by heavy equipment compaction.

5. Gravel used for surfacing shall be compacted into place using loaded dump trucks or a vibratory drum roller if specified in the Road Log.

C. PIT DEVELOPMENT AND RECLAMATION:

1. While the gravel pit or borrow area is open the surface of the pit shall be kept clean of noxious weeds. The Purchaser shall remove any weeds found growing at the pit by pulling, cultivating, covering with plastic, spraying, or other methods as directed by the Forest Officer.

2. At completion of use, the pit area will be reshaped to as near natural contours as possible. Backslope ratios shall not exceed 3:1. Purchaser may be required to save topsoil, recontour the pit wall, and reclaim the disturbed portion of pit. All disturbed portions of the pit shall be grass

seeded and fertilized.

3. At completion of use, talus slopes shall be backsloped and reshaped as directed by the Forest Officer. Grass seeding and fertilizing are required on any disturbed areas with exposed soil.

V. DRAINAGE STRUCTURES

A. CORRUGATED METAL PIPE: The corrugated metal pipe required in Table B-2 will be installed as follows:

1. All pipes shall be installed with a backhoe or excavator. The exact locations shall be determined and approved by the Forest Officer after the right-of-way is brushed and cleared.

2. The excavation trench for culvert installation shall not be wider than necessary to permit satisfactory jointing and thorough tamping of the bedding material under and around the pipe.

3. The bedding surface shall be constructed to provide a firm foundation of uniform density through the entire length of the culvert and shall be slightly cambered along the centerline to correct for expected settlement.

4. Where the bedding surface is not firm at the grade established, all unstable soil under the pipe and for a width of at least one diameter on each side of the pipe shall be removed and replaced with suitable selected material. Rock encountered in the bedding foundation will be removed to at least 12 inches below the bottom of the pipe and one diameter on each side. The final bedding area shall consist of fine, compacted granular material.

5. Selected material shall be placed alongside the pipe for backfill in alternating layers not exceeding six inches in depth and thoroughly compacted by a hand held mechanical tamper (wacker packer). Special care must be taken to compact the fill thoroughly under the haunches of the pipe. Wacker packer compaction of backfill must be done for a horizontal distance on each side of the pipe equal to either one pipe diameter or to the outside limits of the trench, whichever is less. The depth of wacker packer compaction must extend at least to the top of the pipe.

6. Selected native fill material will be free from rocks and hard earth clods larger than 3 inches in size. Frozen material, sod or a high percentage of organic matter is not permitted.

7. The remainder of the fill above the top of the pipe may be compacted by tractor or rubber-tired roller. Fill is to extend above each pipe at least one-half the pipe diameter or a minimum of 12 inches, whichever is greater.

8. The pipe shall be protected by adequate fill cover before heavy equipment is permitted to cross during roadway construction.

9. Pipe that is damaged or improperly installed shall be repaired or replaced at Purchaser expense as directed by the Forest Officer.

10. The Forest Officer must be contacted two days before any culvert installation and must be present at any wet site culvert installation.

11. Riprap consisting of angular native rock of graded sizes 6 to 12 inches in diameter shall be installed to armor cuts and fills at both ends of all culverts installed in streams.

12. Energy dissipators consisting of native rock at least 24 inches in diameter with flat cross section shall be installed below culvert outlets in all perennial streams.

B. WET SITE CULVERT INSTALLATION REQUIREMENTS:

1. The Forest Officer and the Purchaser shall agree upon a site specific sediment and erosion control plan that meets the requirements of all attachments and permits for each wet installation prior to any construction. Sediment and erosion control features may include any or all of the following at each site:

   a. Filter Fabric Sediment Traps.

   b. Sediment Control Fence.

   c. Slash Filter Windrows.

   d. Other measures as directed by Forest Officer.

2. The Forest Officer and the Purchaser shall agree upon a site specific water diversion plan for each wet installation. Diversions may include: by-pass ditches, plastic lined by-pass ditches, plastic or metal pipe by-passes or other methods as directed by the Forest Officer. Pumping with discharge back into the channel is not permitted.

3. All wet site culvert installations require seeding of all disturbed areas with Quick Cover Mix the same day as installation is completed.

4. Any equipment operated within the high-water level of any stream or river channel shall be free of oil and fluid leaks and shall be clean of mud. Said equipment must be inspected by the Forest Officer and approved prior to any use.

5. Filter fabric sediment traps shall be installed prior to any construction activities on all wet culvert installations.

VI. ROAD MAINTENANCE

A. ROAD MAINTENANCE SCHEDULE AND REQUIREMENTS:

1. Road maintenance may be required on all native material or gravel roads designated for hauling purposes.

2. Road maintenance is defined to include all operations listed under Section VI. of Attachment B.

3. Initial maintenance of the roads shall be completed prior to use for logging and hauling.

4. The Forest Officer will determine the number, type, extent and frequency of intermediate maintenance operations. Road maintenance shall be repeated as needed to facilitate traffic and proper road drainage. The Purchaser will be advised of the time limitations to complete each maintenance project.

5. Final maintenance of the road system is required after all logging and hauling and prior to termination of the Timber Sale Contract.

B. SURFACE BLADING:

1. Description: Surface blading is keeping a native or aggregate roadbed in a condition to facilitate traffic and provide proper drainage. It includes maintaining the crown or slope, shoulder, drainage dips, leadoff ditches, berms and turnouts, and provides a level of smoothness appropriate for the amount and kind of traffic served and consistent with existing surfacing.

2. Specifications:

   a. The existing roadbeds, including turnouts, shall be bladed and shaped to reasonably conform

to the designed cross section, and to eliminate ruts. Existing aggregate surfacing shall be bladed to conserve material and to prevent segregation of particle sizes. Rocks or other material remaining on the traveled way surface after final blading which are 4 inches or larger in size shall be removed from the road surface.

b. Roadside cutslopes should not be undercut when cleaning ditches or removing road sloughs. Berms shall be removed from road shoulders when blading, except where berms are located as part of road design.

c. Cutslopes that have been undercut may require backsloping, seeding and fertilizing.

d. At intersections, the roadbeds at side roads shall be graded for a reasonable distance to assure proper blending of the two riding surfaces.

e. Drainage dips and leadoff ditches shall be cleaned and graded to form their previous line and grade.

f. Crowned roads should slope towards shoulders at least 2-5% (1/4-1/2 inch per foot road width) on native and gravel roads.

g. At intersections where side roads enter the main road and the entering side road exceeds +3%, shallow ditching across the side road may be required to divert surface runoff and protect the main road's stability.

h. The side-casting of road material into a stream, lake, wetland, or other body of water during road maintenance operations is prohibited in the SMZ.

C. DITCH CLEANING:

1. Description: Ditch cleaning is removing and disposing of all foreign and slough material from roadside ditches to provide an unobstructed waterway conforming reasonably to previous line, grade and cross section.

2. Specifications:

a. Slough material removed from the ditch may be blended into existing native road surface or shoulder only if it is the same material as the road surface. Slough material that is not suitable for blending should be disposed of as directed by the Forest Officer.

b. Live vegetation and other organic material shall be removed and disposed of as directed by the Forest Officer.

c. Unstable stumps, rocks, leaning trees or other debris shall be removed from the cutslope as directed by the Forest Officer.

D. CULVERT MAINTENANCE:

1. Description: Maintenance is work performed on inlets, outlets, catch basins, related channels, existing riprap, trash racks and any other facilities related to the drainage structure.

2. Specifications: Catch basins, outlets and energy dissipaters shall be kept functioning and cleaned of debris. Ends of culverts shall be kept straight and undamaged. Any washing alongside or underneath the culvert shall be repaired.

E. ROADSIDE VEGETATION MAINTENANCE:

1. Description: Maintenance of roadside vegetation includes removal of brush, tree growth, deadfall

or other obstructions to passage, safety or visibility, as such obstructions are present or develop during the contract period.

2. Specifications:

   a. All trees that have fallen across the road shall be removed from the road prism unless otherwise agreed upon. Merchantable timber, if any, shall be cut in appropriate lengths and decked along the roadside in locations where traveled way width or sight distances will not be impaired.

   b. Brush and seedling trees that encroach upon the original road clear limits shall be removed when they reduce safe sight distances. Low shrubs and brush that do not restrict sight distance but provide cover and reduce erosion shall not be removed. Brush and seedling trees removed shall be disposed of as directed by the Forest Officer.

F. SNOWPLOWING: If hauling occurs during the winter months, the Purchaser will be required to plow snow to the following guidelines on all State and private roads.

1. Snow should be windrowed beyond the fill shoulder line.

2. To protect the road surface, a 2 to 4-inch cushion of snow may be left on the road.

3. At termination of use, the road will be prepared for spring runoff by opening drainage outlets through the plowed berms and by installing a snow-berm road closure.

4. Tracked equipment will not be used to plow snow without prior written approval from the Forest Officer.

5. The side-casting of road material into a stream, lake, wetland, or other body of water during snow plowing operations is prohibited in the SMZ.

6. Do not operate vehicles or equipment on plowed/snow-covered roads during warm/soft conditions to avoid setting ruts.

7. During winter snowmobile season, minimize height of plowed snow berms adjacent to or on groomed snowmobile trails that pose a hazard and safety risk.

G. DUST ABATEMENT: N/A

H. NOXIOUS WEED MANAGEMENT: The Purchaser may be required to perform noxious weed management on any of the roads designated as part of the haul route and on landings. Noxious weed management may include grass seeding, equipment washing and herbicide spraying.

1. Grass seeding, if required, is shown in Section IX, GRASS SEEDING SPECIFICATIONS.

2. All road construction equipment and equipment used in off-road logging activity must be pressure-washed by the Purchaser and inspected by the Forest Officer prior to entering the sale area. This cleaning will remove all dirt, plant parts, and material that may carry noxious weed seeds into the sale area. Other equipment and vehicles entering and leaving the sale area shall be cleaned prior to start up and kept reasonably clean during the course of operations. All subsequent move-ins of logging and construction equipment shall be treated the same as the initial move-in.

3. If spraying is required in Attachment B, it shall be done by a commercial applicator licensed by the State of Montana or by personnel under the direct supervision of the licensed applicator. All herbicide applications shall follow EPA label requirements. Any weed control must comply with the current standards of the County Weed Board and as directed by the Forest Officer.

VII. ADDITIONAL REQUIREMENTS

A. TEMPORARY SPUR ROAD SPECIFICATIONS: Temporary spur roads are defined as any roads constructed by the Purchaser to access a harvest unit or landing which is not an existing road and may not be shown as a required road to be constructed in Table B-1. All temporary roads will be constructed to the following specifications:

1. Forest Officer shall approve the location prior to any construction.

2. Clearing and excavation shall be kept to the absolute minimum for safe truck hauling and to prevent erosion and water quality impacts. Some sidehill excavation, minor through cuts, ditching and turnpiking may be required.

3. Temporary culverts may be required at ditch crossings, wet areas or other locations as directed by the Forest Officer.

4. Temporary erosion control measures may be required to meet BMP standards on the road and/or the landing area while being used.

5. At the completion of use the road shall be shaped back to natural contours, temporary culverts removed, erosion control measures installed, the disturbed areas grass seeded and the access closed to all vehicular traffic. The Forest Officer may require scarification or ripping of compacted landings and temporary spur roads.

B. GATES ON PRIVATE ROAD EASEMENTS: When using private road easements to access the timber sale area, any gate encountered on private land will be left as prescribed by the easement grantor.

C. GRID ROLLING ROAD PRISMS: Grid rolling the road prisms is not required.

D. TRAFFIC CONTROL AND WARNING SIGN SPECIFICATIONS:

1. The Purchaser shall furnish, erect, and maintain all necessary barricades, suitable and sufficient lights, danger signals, signs, and other traffic control devices, and shall take all necessary precautions for the protection of the work and safety of the public. Suitable warning signs shall be provided to properly control and direct traffic as requested by the Forest Officer.

2. All road barricades, warning signs, lights, temporary signals, flagger and pilot car operations and equipment, and other protective devices, shall conform with the specifications in the Manual on Uniform Traffic Control Devices (MUTCD).

E. FIRELINE ASSOCIATED WITH TEMPORARY ROAD OBLITERATION SPECIFICATIONS:

1. In areas where firelines are associated with temporary road obliteration (1.5 miles of FS 6484A T003), a continuous mineral soil line not less than 18” and not greater than 36 inches (cleared fireline path) shall be left clear of all burnable material.

2. Rehabilitate the appearance of fire lines and skid trails that intersect existing roads and trails to reduce unauthorized motorized use.

F. SNOWMOBILE TRAILS:

1. From December 1st to May 15th designated snowmobile trails and travel routes should remain clear of logging debris and equipment and open for public use between 5:00 pm on Friday evenings and 12:01 am on Monday morning.

2. Minimize height of plowed snow berms adjacent to or on groomed snowmobile trails that pose a hazard and safety risk.

3. Stump height should not exceed 6” along designated groomed snowmobile trails.
4. Landings and slash piles should not be located within 100 ft. of the groomed snowmobile route.
5. The locations of designated snowmobile trails and travel routes are indicated on Attachment A-1 Haul Route Map.

VIII. ROAD LOG AND SITE DESCRIPTIONS

FS 831 Maintenance		
MP	**Work description**	**Required Pre-haul Work Item**
	This road segment is also a designated snowmobile trail. Beginning December 1 through May 15 this designated snowmobile trail and travel route should remain clear of logging debris and equipment as well as be open for public use between 5:00 pm on Friday evenings through 12:01 am Monday morning. Minimize height of plowed snow berms adjacent to or on groomed snowmobile trails that pose a hazard and/or safety risk to snowmobiles. Stump heights should not exceed 6” along designated groomed snowmobile trails. Landings and slash piles should not be located within 100 ft. of the groomed snowmobile route. The location of the designated snowmobile trail and travel route is indicated on Attachment A-1 Haul Route Map.	
0.00	Begin Intermediate (During Haul) Road Surface Blading.	
0.00	Begin Final (Post-Haul) Road Surface Blading.	
1.43	End Maintenance at Intersection with RD 6478	

FS 6478 Recondition & Widening, Improvement & Maintenance		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin pre-haul heavy recondition and widen to a 12-foot specified road width.	x
0.00	Begin Pre-haul Road Surface blading/shaping.	x
0.00	Begin intermediate (During Haul) road surface maintenance blading	
0.00	Begin Final (Post-Haul) Road Surface Maintenance blading with Drain Dip Recondition	
0.03	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.05	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.07	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.07	Begin moderately heavy roadside vegetation clearing and grubbing on road edge to widen road (0.07-0.24)	x
0.14	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.16	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.24	End roadside moderate clearing (0.07-0.24)	
0.24	Clean outlet on road grade change	x
0.35	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.42	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.46	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.50	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.57	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.62	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.67	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.71	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.76	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.79	Reconstruct existing Type 2 drain dip with lead out ditch.	x

0.83	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.86	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.86	Begin moderately heavy roadside vegetation clearing and grubbing on road edge to widen road. (0.86-1.13)	x
0.88	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.91	Reconstruct existing Type 2 drain dip with lead out ditch.	x
0.97	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.02	Construct outlet on road grade change	x
1.08	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.13	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.13	End roadside heavy clearing (0.86-1.13)	
1.17	Construct outlet on road grade change	x
1.24	Construct outlet on road grade change	x
1.38	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.42	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.46	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.48	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.51	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.54	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.58	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.62	Intersection with Road 831A001	
1.67	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.72	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.79	Reconstruct existing Type 2 drain dip with lead out ditch.	x
1.87	End of recondition and maintenance. Intersection with Road 6472	

FS 6478006 Recondition, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin Pre-haul Road Surface Recondition & Road Surface Blading and Shaping.	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-Haul) Road Obliteration (Scarification and Slash Placement)	
0.16	End of Road	

FS 6478T006 Temporary Road Construction, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin Pre-Haul Temp Road Construction	x
0.00	Install Temporary Road Closure Barricade	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-Haul) Road Obliteration (Scarification and Slash Placement)	
0.07	End of Temp Road	

FS831A New Construction & Reconstruction, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin Pre-Haul New Temp Road Construction from Rd 831 to Existing Metal Gate	x

0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-Haul) Road Obliteration (Scarification and Slash Placement).	
0.08	End New Temp Road Construction	
0.08	Begin reconstruction of obliterated road	x
0.19	End reconstruction of obliterated road	
0.19	Begin reconditioning of decommissioned road & clear slash from roadbed	x
0.56	End of Road Segment at Intersection with Road 831A001	

FS 831A001 Recondition & Widening, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin pre-haul light to moderate recondition and widening to 12' specified road width.	x
0.00	Begin Initial Road Surface blading/shaping.	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-haul) Road Obliteration (Scarification, some recontour where small cut slopes present, and slash placement).	
2.04	End of Recondition & Improvement, Maintenance and Obliteration	

FS 831A001T001 Temporary Road Construction, Maintenance, and Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin Temp Road Construction	x
0.00	Install Temporary Road Closure Barricade	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-haul) Road Obliteration (Scarification and slash placement).	
0.09	End of Temp Road	

FS 6472 Recondition & Widening, Road Improvement, Road Segment Relocation, Road Segment Obliteration and Maintenance		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Reference location: Intersection with FS 6478	
0.00	Begin pre-haul heavy recondition and widen to a 12-foot specified road width with heavy roadside vegetation clearing and grubbing. (0.00-0.21)	x
0.00	Begin Pre-haul Road Surface blading/shaping. (0.0-0.21 & 0.61-2.81)	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance (0.0-0.21 & 0.81-2.81)	
0.00	Begin Final (Post-Haul) Road Surface Maintenance with Drain Dip Recondition (0.0-0.21 & 0.61-2.81)	
0.04	Construct Type 2 drain dip with lead out ditch.	x
0.08	Construct Type 2 drain dip with lead out ditch.	x
0.08	Widen curve to 20-foot road width (0.08-0.11)	x
0.11	End curve widen	
0.11	Construct Type 2 drain dip with lead out ditch.	x
0.17	Construct Type 2 drain dip with lead out ditch.	x
0.21	Construct Type 2 drain dip with lead out ditch.	x
0.21	End road segment recondition & widening, improvement and maintenance (0.0-0.21)	

0.21	**Note: Road segment between miles 0.21 and 0.81 is non-specified road which will not be utilized for hauling and will not be improved or maintained in association with the timber sale.**	
0.81	Begin pre-haul heavy recondition, widen to a 12-foot specified road width and heavy roadside vegetation clearing and grubbing. (0.81-0.91)	x
0.87	Construct Type 2 drain dip.	x
0.91	End heavy roadside clearing (edge of unit boundary).	
0.91	Begin pre-haul light recondition, light roadside clearing, and widen to a 12-foot specified road width. (0.91-0.99)	x
0.99	End light roadside clearing.	
0.99	Resume pre-haul light recondition, heavy roadside clearing, and widen to a 12-foot specified road width. (0.99-1.04)	x
1.04	End heavy roadside clearing.	
1.04	Resume pre-haul light recondition, light roadside clearing, and widen to a 12-foot specified road width. (1.04-1.11)	x
1.11	Reference location: Intersection with Rd 6472-004	
1.11	Begin construction of rerouted road segment to a 12-foot width and align curve (923 feet)	x
1.11	Obliterate original road segment (scarification, water bars, slash placement) (1.11-1.26)	x
1.26	End construction of rerouted road segment.	
1.26	End obliteration of original road segment.	
1.26	Resume pre-haul light recondition, light roadside clearing, and widen to a 12-foot specified road width. (1.26-2.81)	x
1.34	Construct existing Type 2 drain dip with lead out ditch.	x
1.39	Construct drainage outlet on road grade change.	x
1.57	Construct Type 2 drain dip with lead out ditch.	x
1.64	Begin minor road realignment and vegetation clearing and preliminary road shaping for fabric placement over seepage area (protect existing French drain) (235 feet)	x
1.64	Purchase and place 235 feet of geotextile road fabric	x
1.64	Begin load, haul and spread 160 cu yds of pit run (1.64-1.68)	x
	Begin compact road fill to 4" depth and final road shaping	x
1.68	End of road realignment and clearing, placement of fabric, pit run placement, pit run compacting and final road shaping.	
1.89	Construct drainage outlet at road grade change.	x
1.96	Construct drainage outlet at road grade change.	x
2.00	Construct Type 2 drain dip with lead out ditch. Armor dip with 10 CY of pit run	x
2.00	Armor dip with 10 CY of pit run	x
2.10	Minor road realignment (straighten curve, clear and pile vegetation (conifer regeneration & downed timber). Estimate 200'.	x
2.21	Construct drainage outlet at road grade change.	x
2.38	Reference location: Property corner adjacent to road.	
2.44	Reference location: Intersection with temp road 6472T003	
2.72	Reference location: Intersection with 6472009	
2.81	Reference location: Intersection with temp road 6472T002	
2.81	End of Maintenance (2.21 miles)	

FS 6472T002 Road Reconstruction, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**

0.00	Begin Reconstruction of Decommissioned Road with Associated Surface Blading and Debris Removal. (0.0-0.78)	x
0.00	Install and Remove Highway Approach per Permit Specifications including install of 24" diameter x 36' length galvanized CMP with flared ends.	x
0.00	Install 16' width Tubular Metal Gate. *Note: Wire fence and metal posts at gate location to be repaired and returned to original condition.*	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance (0.0-0.78)	
0.00	Begin (Post-haul) Road Obliteration (Scarification, some recontour where small cut slopes present and slash placement).	
0.78	End of Road Segment	

FS 6472T003 Temporary Road Construction, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin Temp Road Construction	x
0.00	Install Temporary Road Closure Barricade	
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-haul) Road Obliteration (Scarification, some recontour where small cut slopes present, and slash placement).	
0.43	End of Temp Road	

FS 6472T003A Temporary Road Construction, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin Temp Road Construction at Intersection with FS 6472T003	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-haul) Road Obliteration (Scarification, some recontour where small cut slopes present, and slash placement).	
0.15	End of Temp Road	

FS 6472T003B Temporary Road Construction, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin Temp Road Construction at Intersection with FS 6472T003	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-haul) Road Obliteration (Scarification, some recontour where small cut slopes present, and slash placement).	
0.16	End of Temp Road	

FS 6472T004 Temporary Road Construction, Maintenance & Obliteration		
MP	**Work description**	**Required Pre-haul Work Item**
0.00	Begin Temp Road Construction	x
0.00	Install Temporary Road Closure Barricade	
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-haul) Road Obliteration (Scarification and slash placement).	
0.31	End of Temp Road	

FS 6472009 Maintenance (*Required with Optional Units)		
MP	Work description	Required Pre-haul Work Item
0.00	Begin Pre-Haul Road Surface Blading (some gravel).	x
0.00	Begin Intermediate (During Haul) Road Surface Blading (some gravel).	
0.00	Begin Final (Post-Haul) Road Surface Blading (some gravel).	
0.17	End of Road Segment	

FS 6472009T001 Temporary Road Construction, Maintenance & Obliteration (*Required with Optional Units)		
MP	Work description	Required Pre-haul Work Item
0.00	Begin Temp Road Construction	x
0.00	Install Temporary Road Closure Barricade	x
0.00	Begin Intermediate (During Haul) Road Surface Maintenance	
0.00	Begin (Post-haul) Road Obliteration (Scarification and slash placement).	
0.16	End of Temp Road	

FS 6472004A Improvement, Maintenance & Obliteration (*Required with Optional Units)		
MP	Work description	Required Pre-haul Work Item
0.00	Begin Pre-Haul Road Surface Blading with light vegetation clearing and disposal.	x
0.00	Begin Intermediate (During Haul) Road Surface Blading.	
0.00	Begin (Post-haul) Road Obliteration (Scarification and slash placement).	
0.97	End of Road Segment	

FS 6472004B Improvement, Maintenance & Obliteration (*Required with Optional Units)		
MP	Work description	Required Pre-haul Work Item
0.00	Begin Pre-Haul Road Surface Blading with light vegetation clearing and disposal.	x
0.00	Begin Intermediate (During Haul) Road Surface Blading.	
0.00	Begin (Post-haul) Road Obliteration (Scarification and slash placement).	
0.31	End of Road Segment	

FS 6472003 Maintenance (*Required with Optional Units)		
MP	Work description	Required Pre-haul Work Item
0.00	Begin Pre-Haul Road Surface Blading (graveled surface) at Intersection with 6472009	x
0.00	Begin Intermediate (During Haul) Road Surface Blading.	
0.00	Begin Final (Post-Haul) Road Surface Blading (some gravel).	
0.10	End Maintenance at Designated Landing	

IX. SPECIFICATIONS AND DRAWINGS

A. REQUIREMENTS: Any construction requirements or structures shown in the Timber Sale Contract or Attachment B shall be constructed and installed by the Purchaser to specifications in this section.

Structures shall be constructed at locations shown in the Road Log and as specified or staked by the Forest Officer.

B. SPECIFICATIONS:

1. Road Construction Fabric: When road construction fabric is required the following specifications shall be met: minimum twenty mills thick with minimum trapezoid tear strength (ASTMD-1117-80) of 110 and mullen burst strength (ASTMD-3786-80) of minimum 375 psi; (e.g. Mirafi 500x or AMOCO 200208).

C. SPECIFICATION TABLES AND DRAWINGS:

GENERAL SPECIFICATIONS

GRASS SEEDING SPECIFICATIONS

GRAVEL AND END HAUL FILL MATERIAL SPECIFICATIONS

CLEAR LIMITS AND TYPICAL CROSS SECTIONS

TYPE 2 ROLLING DIP MAINTENANCE, RECONSTRUCTION AND CONSTRUCTION

16’ WIDTH TUBULAR STEEL GATE SPECIFICATIONS

TEMPORARY ROAD CLOSURE BARRICADE SPECIFICATIONS

TEMPORARY ROAD OBLITERATION – NO CLEARED FIRELINE SPECIFIED

TEMPORARY ROAD OBLITERATION – WITH CLEARED FIRELINE SPECIFIED

HIGHWAY SAFETY SIGNS

WARNING SIGN SPECIFICATIONS

GENERAL SPECIFICATIONS

ALIGNMENT

Minimum Curve Radius:

Switchbacks:	50 Feet
Curves:	As marked on the ground

CUT SLOPE RATIO

Common excavation:	1:1
Angular Rock:	3/4:1
Solid Rock:	1/4:1
Maximum tolerance:	plus 15% minus 0%

ROAD GRADE MAXIMUM

Favorable:	12%
Adverse:	8%

Grades as shown in the Road Log

FILL SLOPE RATIO

Common material:	1-1/2:1
Angular rock:	1-1/3:1
Maximum tolerance:	plus 15% minus 0%

DITCHES

Width:	3 feet
Depth:	1 foot

Located as shown in the Road Log or as directed by the Forest Officer

TURNOUTS

Length:	75 feet
Width:	7 feet

Located by Purchaser and approved by the Forest Officer. Spacing will be intervisible as topography allows.

USABLE ROAD SURFACE

Tangents:	14 feet
Curves:	16 feet (radius over 75 feet) 20 feet (radius under 75 feet)
Switchbacks:	22 feet
Slough widening: (in addition to usable road surface)	Tangents: 1foot Curves and all fills over 6 feet height: 2 feet.

TURNAROUNDS

Dimensions: large enough to safely turn around a long wheel base 2-wheel-drive pickup.

Location: at or near the end of all dead end roads as approved by the Forest Officer.

GRASS SEEDING SPECIFICATIONS

A. SEED REQUIREMENTS: The Purchaser shall furnish certified noxious weed-free, pure live seed mixture(s) and fertilizer in the amounts shown in Table B-2. Total pounds mixed seed is pure live seed, corrected for germination and purity. Germination and purity tests must have been conducted within the last 6 months prior to delivery. Purchaser shall furnish documentation of germination and purity tests to the Forest Officer prior to application.

B. APPLICATION REQUIREMENTS:

1. Fertilizer and seed may be applied with a hand spreader or power blower, which adjusts to distribute seed evenly at the specified rate while limiting application to the desired area. Seed and fertilizer shall be applied separately. Mixing of seed and fertilizer is prohibited.

2. Seed and fertilizer shall be applied as listed in the following tables. In the event weather conditions or time of year are not conducive for successful seed establishment, the Forest Officer may require a different application schedule from the ones stated.

3. Application estimates are approximate figures only to be used for estimating purposes.

SEEDING CONCURRENT WITH ROAD MAINTENANCE AND RECONSTRUCTION.
Areas shown in this table shall be seeded within one week of maintenance/reconstruction work, or as otherwise directed by the Forest Officer.

Areas to be Seeded	Remarks	Pounds per acre	Acres
0.9	Seed disturbed edges of Road 6478 following widening	17.5	0.9
Total Pounds Mixed Seed: **16**			

SEEDING FOLLOWING HARVEST, TEMPORARY ROAD OBLITERATION, & ROAD CLOSURE

Areas shown in this table shall be seeded and fertilized concurrent with initial road construction according to the following schedule:

Cut slopes shall be seeded within 7 calendar days of the day that each segment of cut slope is rough shaped with the dozer or excavator. A cut slope segment is defined as one day's work regardless of the amount of work accomplished or the length of the cut slope. Even if the driving portion of the road is not shaped, graded or drivable, cut slope seeding is still required.

FILL SLOPES, DITCHES, SHOULDERS OF THE ROAD AND OTHER DISTURBED AREAS SHALL BE SEEDED WITHIN 15 CALENDAR DAYS AFTER COMPLETION OF EACH ROAD SEGMENT.

Road/Seed Area Name	Length in Miles	Seed pounds per acre	Fertilizer pounds per acre	Acres
Seeding Skid Trails and Landings (6% of harvested area)	N/A	20.12	N/A	32.5
Non-Specified Roads to be decommissioned or obliterated	3.54	20.12	N/A	5.1
Temporary Roads to be obliterated	2.15	20.12	N/A	3.1
Abandoned Road Segment to be obliterated	0.15	20.12	N/A	0.2

Total Acres to Seed	41.9
Total Pounds Mixed Seed:	**843**
Total Pounds Fertilizer:	N/A

GRAVEL AND ROCK SPECIFICATIONS	
Material	**Specifications**
3/4" minus crushed gravel	Crushed gravel. Well graded. Fine fraction (minus 200 sieve) not to exceed 15%
Pit run gravel	Native gravel, well graded, with binder, compactable and not containing any rocks over 4" diameter.
Drain rock	1"- 3" diameter, screened clean rock.
General Large Rock Requirements Stone shall be hard, durable, angular in shape, resistant to weathering and weather action, and free from overburden, soil, and organic matter. Stone must be hard enough so pieces do not fracture or break during the loading, hauling, or placement activities. Neither breadth nor thickness of stone shall be less than one-third its length. Rounded stone or boulders from a streambed will not be accepted unless authorized by the State.	
Rock armor	Large rock with most sizes ranging from 6" to 12" diameter, used to armor fill slopes and catch basins.
Talus rock	Large rock of variable sizes used as load-bearing fill or drainage rock in soft areas or French drains, as approved by Forest Officer.
Energy dissipators	Large rock 18-24” diameter placed in streams at culvert outlets.

ATTACHMENT B

SPECIFICATION DRAWINGS

Clear Limits and Typical Cross Sections

CLEARTPK.WPG

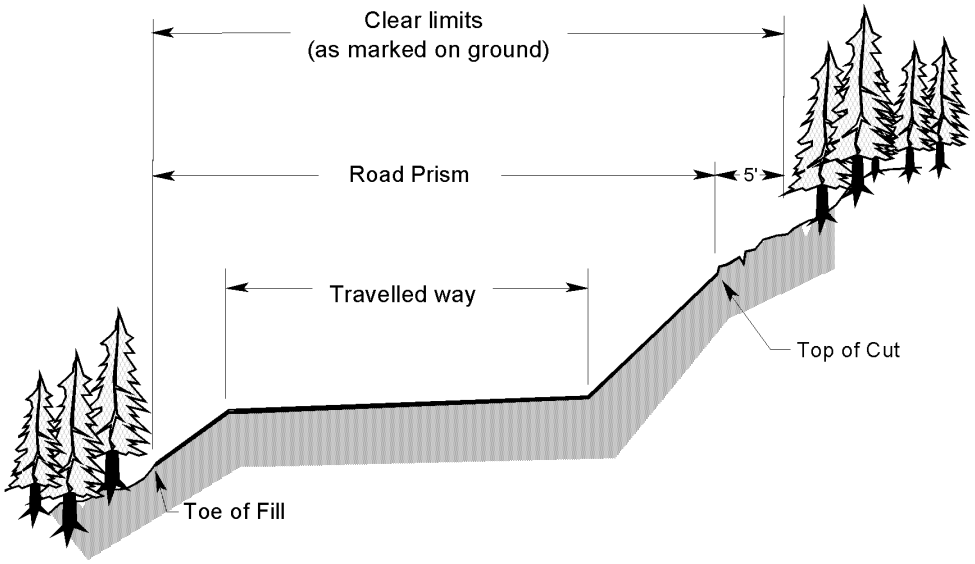


Figure I: Clear limits

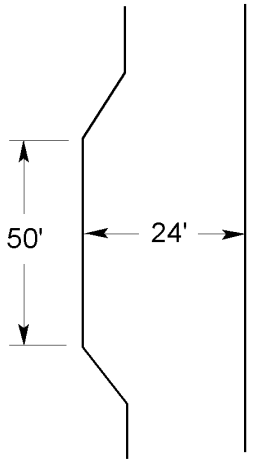


Figure II:
Typical turn out construction

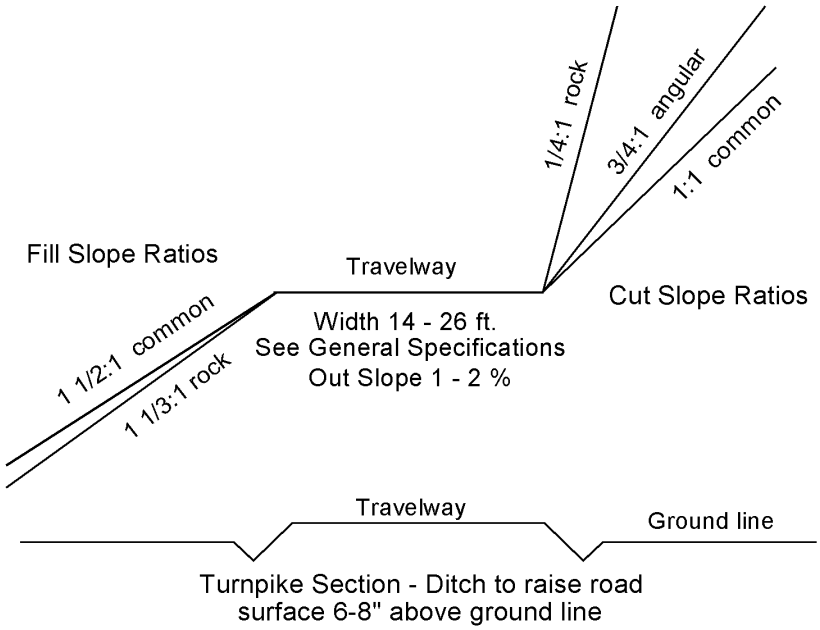
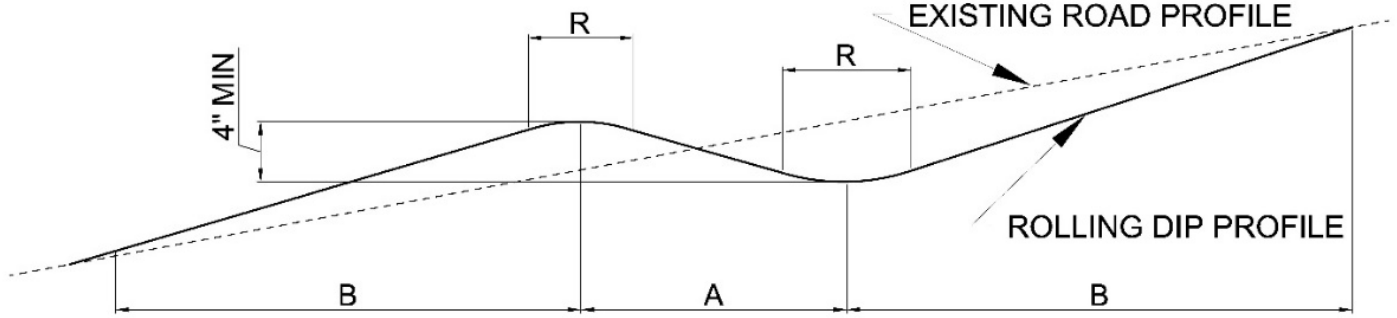


Figure III: Typical Cross Sections

TYPE 2 ROLLING DIP MAINTENANCE, RECONSTRUCTION, NEW CONSTRUCTION

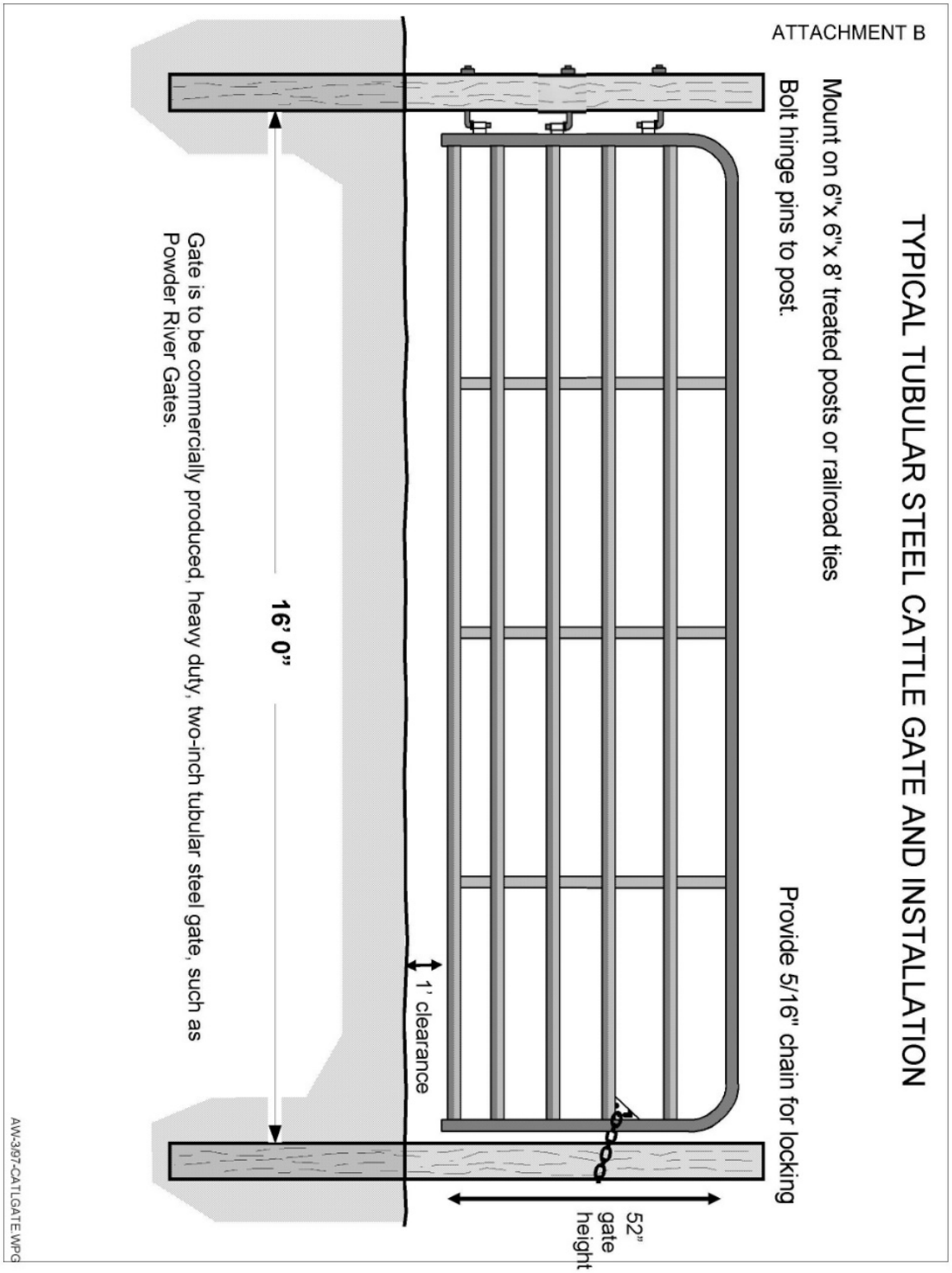


ROLLING DIP
NOT TO SCALE

NOTES:
1. CROSS SLOPE OF THE LOW POINT DRAINLINE SHALL BE 5%.
2. SKEW OF DRAINLINE SHALL BE 0-25 DEGREES.
3. WHEN RIPRAP IS SPECIFIED AT OUTLET, IT SHALL BE SHAPED TO ASSURE WATER GOES ONTO RIPRAP, NOT AROUND.
4. RIPRAP TOP ELEVATION SHALL BE AT TOP OF FINISHED OUTLET GRADE, NOT SUBGRADE.
5. TAPER LENGTHS SHALL BE WITHIN 10% OF LISTED LENGTHS.
6. UNLESS OTHERWISE SPECIFIED DO NOT INTERCEPT THE ROADWAY DITCH.

GRADE (%)	TYPE 2		
	LENGTH	TAPER	ROUNDING
	A(ft)	B(ft)	R(ft)
0-5	20	25	20
6-9	20	40	20
10-12	20	50	20

Version B 1-2018


ATTACHMENT B
TYPICAL TUBULAR STEEL CATTLE GATE AND INSTALLATION
Mount on 6"x 6"x 8' treated posts or railroad ties
Bolt hinge pins to post.
Provide 5/16" chain for locking
52" gate height
1' clearance
16' 0"
Gate is to be commercially produced, heavy duty, two-inch tubular steel gate, such as Powder River Gates.
AW-397-CATLGATE.WPG

Temporary Road Barricade



NOTES:

1. ROAD CLOSED SIGN AND TYPE 3 BARRICADE SHALL SHALL BE RETROREFLECTIVE.

2. SIGNS SHALL NOT BE LESS THAN 1-FOOT ABOVE THE ROAD WHEN MOUNTED ON THE BARRICADE.

3. IN NO CASE SHOULD MORE THAN 50 PERCENT OF THE TOP TWO RAILS OR 33 PERCENT OF THE TOTAL AREA OF ALL THE RAILS BE COVERED BY STANDARD SIGNS.

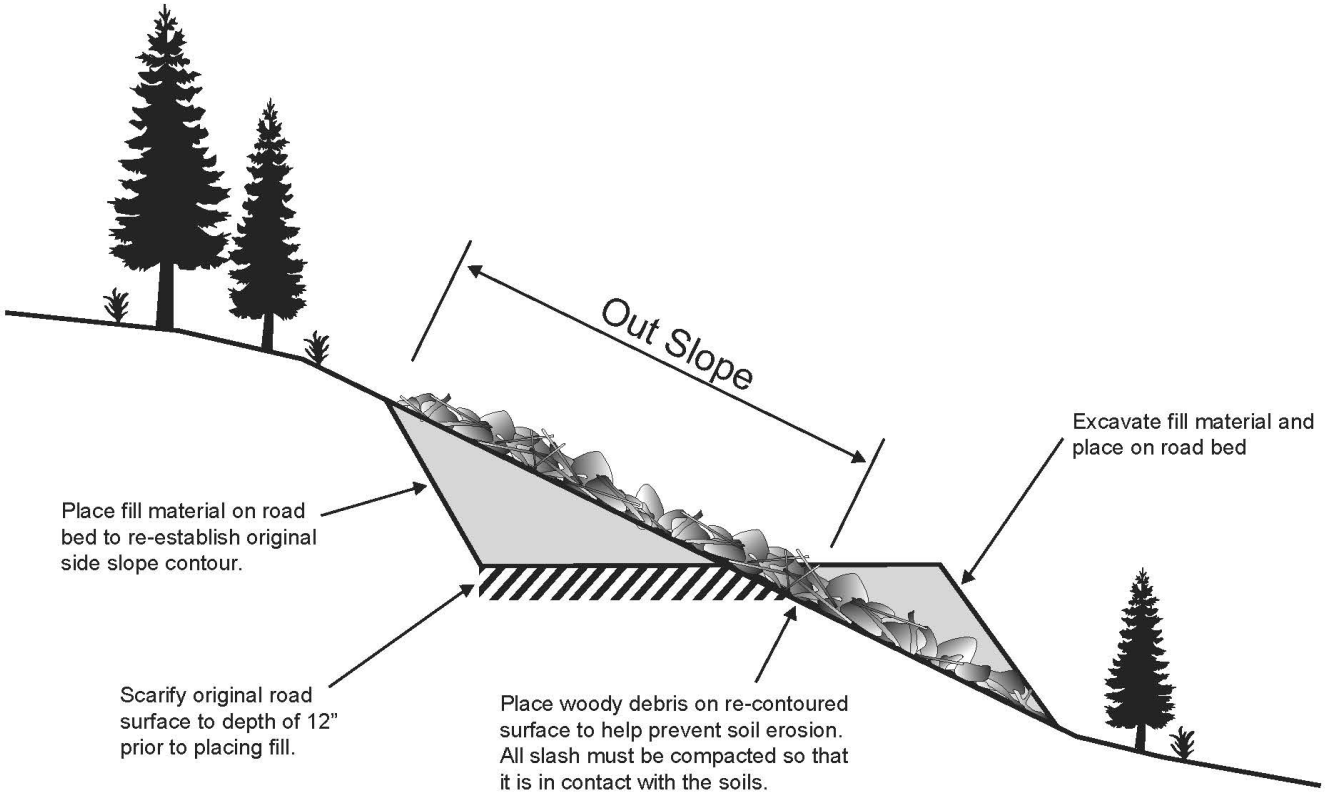
4. ALL SIDES OF BARRICADES FACING TRAFFIC SHOULD HAVE RETROREFLECTIVE RAIL FACES SHOWING AND BE VISIBLE FROM BOTH DIRECTIONS.

5. BARRICADES SHOULD BE CRASHWORTHY. ANCHOR BARRICADES WITH APPROPRIATE BALLAST, SUCH AS SANDBAGS OR WATER JUGS. DO NOT PLACE BALLAST ON TOP OF ANY STRIPED RAIL. DO NOT USE OBJECTS FOR BALLAST THAT WILL NOT DEFORM IN A COLLISION, SUCH AS ROCKS AND CONCRETE BLOCKS.

Version B 1-2018

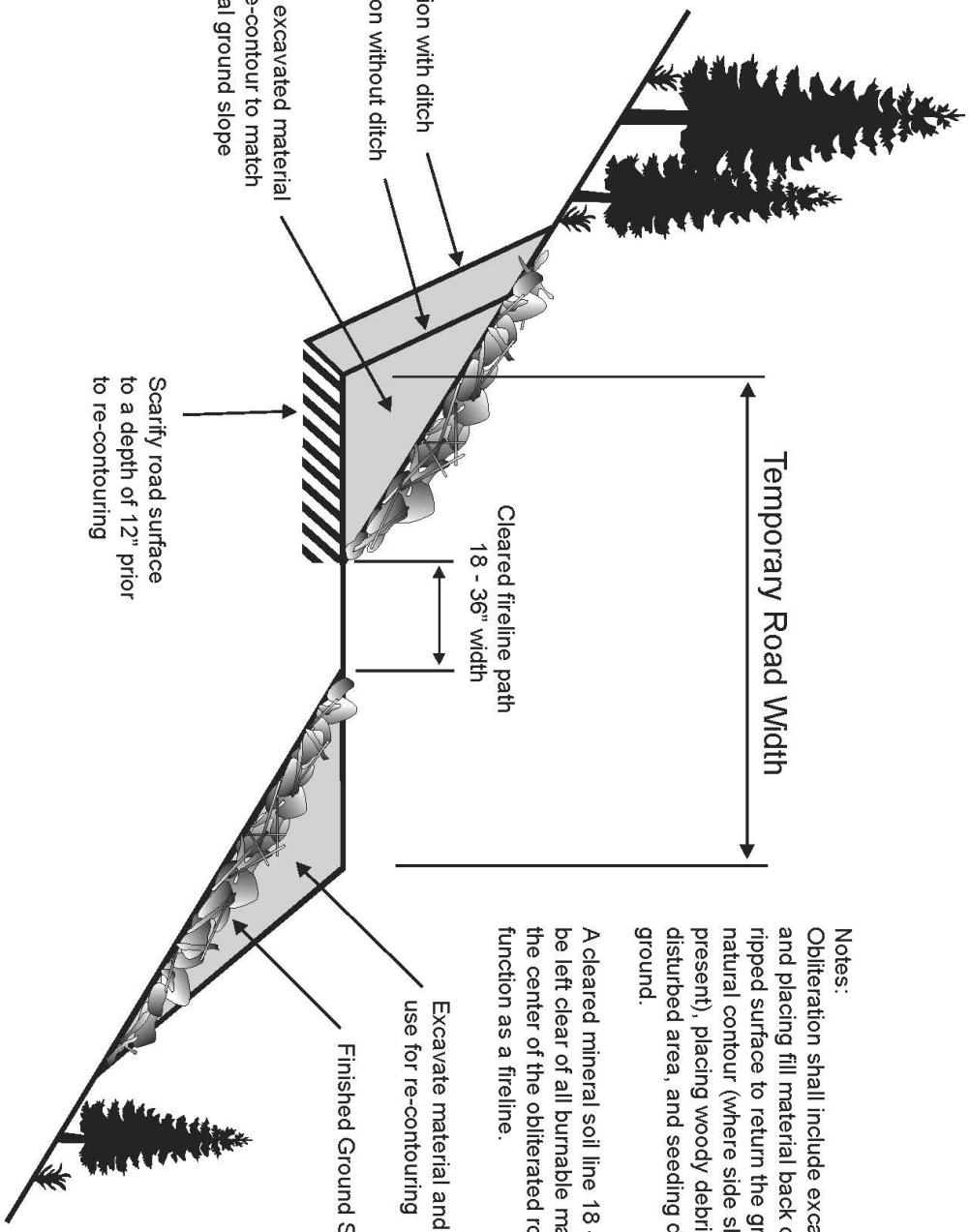
Temporary Road Obliteration Detail

(No Cleared Fireline Specified)



Temporary Road Obliteration with Cleared Fireline Path Detail

(Cleared Fireline Specified on 0.97 mile of FS 6472004)

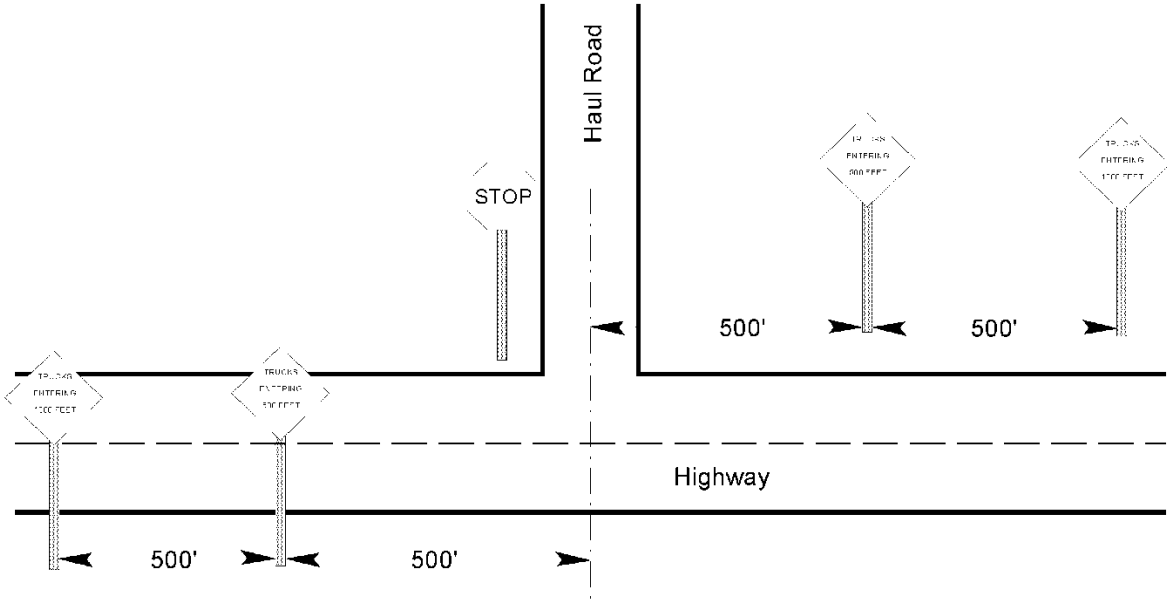


Notes:
Obliteration shall include excavating and placing fill material back onto the ripped surface to return the ground to its natural contour (where side slope is present), placing woody debris on the disturbed area, and seeding disturbed ground.

A cleared mineral soil line 18 - 36" shall be left clear of all burnable material in the center of the obliterated road to function as a fireline.

Attachment B

HIGHWAY SAFETY SIGNS



Materials Required

1 each4"x4"x10' full pressure treated wood post.

4 each4"x4"x14' full pressure treated wood post.

1 each30"x30" STOP sign, aluminum, octagon, white letters on red.

2 each 36"x36" TRUCKS ENTERING 500' sign, aluminum, diamond, black letters on orange, center hinged.

2 each36"x36" TRUCKS ENTERING 1000' sign, aluminum, diamond, black letters on orange, center hinged.

----- Mounting hardware as required.

Specifications

1. All signs shall have reflectorized background and shall meet all specifications as per Manual on Uniform Traffic Control Devices.
2. All signs shall be new condition.
3. Bottom of sign shall be 5' vertical as measured from the roadway surface.
4. Lateral clearance of "TRUCKS ENTERING" signs shall be 10' as measured from the edge of pavement to the edge of sign.

Attachment B

Warning Sign Specifications

Size: 36" x 36"
Shape: Diamond
Color: Diamond: Orange and Black. Barricade: Red and Silver
Lettering: Minimum 4 inch letters. Standard Alphabet Series C. 1/2 inch Border.
Reflective Background Required
Mounting: Posts or portable sign stands, clearly visible to drivers. Do not mount on trees.

Installation Specifications

WARNSIGN.WPG

FOREST FIRE RULES & REGULATIONS

These rules apply to all activities on all classified forest lands within Montana during the legal Forest Fire Season, including any extension thereof (see 77-5-103(3) and 76-13-102(7) MCA). Reference also ARM 36.10.119 through 132.

Related State statute numbers are provided as a reference.

RULE I - DEBRIS BURNING

1. The person conducting the burn shall obtain written authorization from the recognized fire protection agency before igniting any open fire during the legal forest fire season (required by 76-13-121 MCA). The recognized fire protection agency may deny, restrict, or rescind any authorization by notifying the person conducting the burn.

2. All burning must comply with the Department of Environmental Quality or State/county/local open burning regulations.

3. Written authorization is not required for campfires.

RULE II - CAMPFIRES

1. Campfires cannot be left unattended and must be completely extinguished (see 76-13-123 MCA).

2. All campfires must be constructed in cleared or bare areas, and not allowed to spread beyond the established ring, pit, grate, or container.

3. Anyone igniting a campfire is required to have fire tools listed in Rule VIII (4).

RULE III - RAILROADS AND POWERLINES

Railroad and powerline companies are required to prepare and annually update working agreements with recognized fire protection agencies. These agreements must stress safety and fire response procedures; and identify, remove, prevent, modify, abate, or correct forest fire hazards and risks associated with railroad and powerline company operations (see 69-14-721).

RULE IV - EQUIPMENT

1. All internal combustion engines must be equipped with an approved and effective spark-arresting system. Spark-arresting devices must be marked, properly installed, and maintained in accordance with manufacturer requirements. The following vehicles are exempt:
   a. automobiles and light trucks of less than 23,000 GVW when all exhaust gases pass through a properly installed and maintained exhaust system, baffle-type muffler, and tailpipe. Vehicles with glass-pack mufflers do not qualify for the exemption.
   b. heavy-duty trucks of 23,000 GVW or greater, with a muffler and vertical stack exhaust system extending above the cab.
   c. vehicles with other spark-arresting systems providing equal or increased effectiveness. Such vehicles must be inspected and have written authorization from the recognized fire protection agency.

2. Equipment used for commercial, ranching, or industrial activities must meet the fire extinguisher and tool requirements listed in Rule VIII (5).

RULE V - FLAMING AND GLOWING SUBSTANCES

1. All flaming and glowing substances, including but not limited to, lighted cigarettes, cigars, ashes, and matches, must be extinguished before being discarded (see 76-13-124 MCA).

2. Smoking is allowed only in areas free of flammable or combustible material. Examples of these areas include a graveled road or an enclosed vehicle.

RULE VI - FIREWORKS

Use of fireworks is prohibited on all classified forest lands unless written authorization is obtained from the recognized fire protection agency. Authorization will only be considered between June 24 and July 5, inclusive, to coincide with the legal dates for the sale of fireworks in Montana (see 50-37-106 MCA).

RULE VII - WILDLAND/URBAN INTERFACE

1. County governments without subdivision wild-fire protection standards are encouraged to establish standards for all new subdivisions by January 1, 2000.

2. Guidelines For Development Within the Wildland-Urban Interface is available for use to assist counties in the development of standards (see MCA 76-13-104(8)).

RULE VIII - FIRE EXTINGUISHERS AND FIREFIGHTING TOOLS

1. Chainsaw operators shall carry a fully charged and operable fire extinguisher, minimum-capacity 8-ounce liquid or 1-pound dry chemical, with a 4BC or higher rating.

2. Vehicles and equipment, mobile or stationary, with a combustion engine/motor used for commercial, ranching, or industrial activities must have one operable, dry-chemical fire

extinguisher with a minimum 2-1/2 -pound capacity and 4BC or higher rating.

3. Chainsaw operators shall maintain one usable shovel at chainsaw-fueling sites.
4. All persons or parties igniting a campfire shall have one usable shovel and bucket. Persons igniting a barbecue need not have a shovel or bucket if the ashes are not removed from the container and the ashes or container are not placed on or near combustible material.
5. All commercial, ranching, or industrial activities must have:
   a. one usable shovel or pulaski with each vehicle and equipment with an internal combustion engine/motor, mobile or stationary.
   b. one backpack pump with each vehicle and with any equipment, used off road, mobile or stationary, with an internal combustion engine/motor, that cannot be used to build fireline and is being operated on combustible material.

Other types of firefighting tools that provide increased efficiency or effectiveness may be substituted by written authorization from the recognized fire-protection agency. For example, a "combi" firefighting tool may be substituted for a shovel or pulaski.

RULE IX - FOREST ACTIVITY RESTRICTIONS

In areas designated by public proclamation by the administrator, Division of Forestry and Trust Lands, as areas of high fire hazard, the administrator may request all persons, firms, or corporations present or engaged in any activity in the areas to voluntarily cease operations or to adjust working hours to less critical periods of the day. In the event such a request is refused, the administrator may issue a written order directing compliance.

RULE X - FOREST CLOSURE

1. During periods of dangerous fire conditions, no person may enter or be upon those forest lands designated by public proclamation by the governor of the state of Montana as areas of dangerous fire hazard except under written permit issued by a recognized agency.

2. Permits to enter upon such areas during the closure may be issued by the recognized agency upon a showing of real need by the applicant. Permits may be issued to those persons having actual residence as a permanent or principal place of abode in the forest lands designated or to persons engaged in non-fire hazardous employment.

3. However, no permit may be required of persons engaged in either firefighting, fire prevention, or law enforcement who are engaged in official business.

RULE XI - CORRECTION OF HAZARD AND UNUSUAL CIRCUMSTANCES OR EVENTS

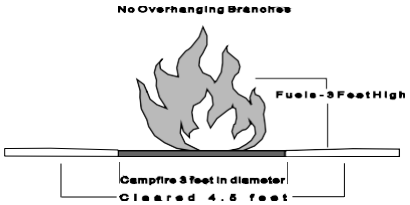
The recognized fire-protection agency may require identified wildland-fire hazards and/or risks be halted, prevented, abated, removed, disposed of, mitigated, or patrolled. This applies to public, private, nonprofit, commercial, and/or residential circumstances or events.

RULE XII - REQUEST FOR REVIEW

If any operator believes that in their case any requirement of a recognized agency is excessive, the operator may request the administrator, Division of Forestry and Trust Lands, to review the requirements. If in the opinion of the administrator any or all are not necessary in the interest of public safety, he/she may make such changes as he/she considers advisable.

RULE XIII - DEFINITIONS

Backpack Pump: 5-gallon minimum; standard galvanized metal, fiberglass, or rubberized backpack water container with attached handpump; full of water at all times.



Bucket: Metal, plastic, canvas, or fiberglass container capable of holding at least one gallon of water. Motorcycle helmets qualify.
Campfire means a fire set for cooking, warming, or ceremonial purposes; not more than 3 feet in diameter or height; void of overhanging branches; with all combustible material cleared at least 1-1/2 times the diameter of the fire; or a barbecue in a noncombustible container.
Combi Tool: A tool combining a shovel and pick.
Fireworks: As defined in 50-37-101 MCA.
Forested Land: As defined in 76-13-102 MCA and 36.10.101 ARM.
Hazard: Condition that promotes the ignition and/or spread of a wildland fire.
Open Fire: The burning of a bonfire, rubbish fire, or other fire in an outdoor location where fuel being burned is not contained in a closed incinerator, or outdoor fireplace. Barbecue pits and burn barrels are considered open fires and therefore require a burning permit (Rule I).
Pulaski: An ax with a medium size sharp grub hoe opposite the ax blade.
Recognized Fire-Protection Authority: An agency organized for the purpose of providing fire protection and recognized by the board as giving adequate fire protection to forest lands in accordance with rules adopted by the board.
Risk: Action or device that could cause a wildland fire to ignite.
Shovel: Vehicle, equipment, and chainsaw operator shovels will have a minimum overall length of 36 inches with a round pointed shovel head with a minimum width of 6 inches. Shovels required for campfires must be at least 24-inches in length with a pointed shovel head. Folding handles qualify.

RULE XIV - APPLICABILITY

The forest fire rules, Rule I through Rule XIII, (ARM 36.10.119 through 36.10.132) are in effect each year on classified forest land during the forest fire season May 1st to September 30th inclusive, or any legal extension thereof. Requirements pertaining to motor vehicles do not apply to those being operated solely on roads that are a part of federal or State maintained highway systems or on any paved public road.

Attachment D

WORKING IN BEAR HABITAT



12/03/12

Grizzly bear distribution is expanding in Montana and human/bear encounters are becoming more common. Working in bear habitat increases the likelihood of interactions with bears. It is important for contractors and their employees to be aware of steps that can be taken to minimize conflicts and how to react if an interaction occurs. This pamphlet provides information about bear behavior, preventive measures, and what to do in the event an encounter occurs. ***This pamphlet is intended to provide information about possible ways of avoiding encounters with bears. It should not, however, be relied on as the sole means of doing so. In addition to adhering to the guidelines outlined in this document, you should always rely on your experience, training, education and judgment about the best, safest manner to avoid encounters with bears.***

ENCOUNTERS

- Stay calm, keep the animal in view, and avoid direct eye contact. Bears may interpret eye contact as a sign of aggression. Back away slowly. Never run from a bear unless you know you can reach safety. Determine whether the animal is a black bear or a grizzly bear.
- If the bear charges, stand your ground. Bears commonly "bluff charge," stopping within a few feet of a person, before fleeing in a different direction.
- Keep bear spray handy. Always have a canister of bear spray (at least eight ounces) on your belt. Make sure it is an EPA registered bear spray with 1 to 2% capsaicin and related capsaicinoids, has a spray duration of at least six seconds, and a range of 25 feet. Familiarize yourself with the directions for using the spray. Use it only if confronted by a charging bear. Spray toward the bear, aiming slightly downward.
- In the event that you have no bear spray, or it was ineffective and the charge is not a bluff, or the bear is exhibiting predatory behavior, you must change your approach. Signs of predatory behavior include: following, showing interest, coming into a tent, and unprovoked attacks. How you respond will depend on the species of bear attacking you. **Black bear and young grizzly attacks**: Always fight back. Jump up and down, wave your arms and yell. Try to look as large as possible. Never play dead – it makes you easier prey. Remember that black bears and small grizzlies can climb trees, so stay on the ground. **Mature grizzly attacks [particularly females with young]:** If a surprise encounter occurs or if bear spray is ineffective, drop to the ground and play dead. Lie on your stomach, clasp your hands behind your neck, and use your elbows and toes to avoid being rolled over. If the bear rolls you over, keep rolling until you land back on your stomach. Remain still and don't struggle or scream. A defensive bear will stop attacking once it feels the threat is gone. Don't move until you are sure the bear has left the area. **If the grizzly is exhibiting predatory behavior or comes into a tent at night, do all you can to escape or fight back.**
- **If an encounter occurs, contact the DNRC forest officer immediately and notify Montana FWP.**

JOB SITE PREVENTION

- Watch for bear signs. Signs include: tracks; droppings; recently overturned rocks or logs; logs torn apart; clawed, bitten or rubbed trees; bear trails; hair on tree bark; fresh diggings; and crushed vegetation. If you observe any of these signs, be aware that a bear may be frequenting the area. If camping, or stopping to eat your lunch, select a different area.
- When working or walking alone, make noise and carry bear spray. Bears don't like surprises but will move on if they hear people approaching. Make noise, especially when approaching blind corners, dense shrubs and streams, and when walking into the wind. Maintain regular communication with co-workers.
- If camping on site, leave coolers, food and beverages inside campers or secured vehicles. If cooking over an open fire, do not discard food or grease in fire pits.
- Don't leave trash, groceries or animal feed in your vehicle for extended periods. Bears can, and do, pry open car and truck doors and break windows to get at food and other items they associate with food.
- Bears are attracted to petroleum-based products. Keep all fuel and oil canisters in bear resistant containers. Bears have been known to damage hoses, oil filters and foam seats on heavy equipment. Dispose of empty containers promptly.

FOREST RESOURCES CONSERVATION AND SHORTAGE RELIEF ACT

USE OF TIMBER

(a) This contract is subject to the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, *et seq.*).

(b) Except for determined pursuant to public hearing to be surplus, unprocessed timber designated for harvest shall not be exported from the United States nor used in direct or indirect substitution for unprocessed timber exported from private lands by Purchaser or any person as defined in the Act (16 USC 620e).

(c) Timber in the following form will be considered unprocessed:

(i) Trees or portions of trees or other roundwood not processed to standards and specifications suitable for end product use;

(ii) Lumber, construction timbers, or cants intended for remanufacturing not meeting standards defined in the Act (16 USC 620e); and

(iii) Aspen or other pulpwood bolts exceeding 100 inches in length.

(d) Unless otherwise agreed in writing, unprocessed timber designated for harvest shall be delivered to a domestic processing facility and shall not be mixed with logs intended for export.

(e) Prior to award, during the life of this contract, and for a period of 3 years from Termination Date, Purchaser shall furnish to State, upon request, records showing the volume and geographic origin of unprocessed timber from private lands exported or sold for export by Purchaser or affiliates.

(f) Prior to delivering unprocessed timber designated for harvest to another party, Purchaser shall require each buyer, exchangee, or recipient to execute an acceptable agreement (Domestic Processing Form) that will:

(i) Identify the Federal origin of the timber.

(ii) Specify domestic processing for the timber involved.

(iii) Require the execution of such agreements between the parties to any subsequent transactions involving the timber.

(iv) Require that all hammer brands and/or yellow paint must remain on logs until they are either legally exported or domestically processed, whichever is applicable; and

(v) Otherwise comply with the requirements of the Act (16 USC 620d).

(g) No later than 10 days following the execution of any such agreement between Purchaser and another party, Purchaser shall furnish to the State a copy of each such agreement. Purchaser shall retain, for 3 years from Termination Date, the records of all sales, exchanges, or dispositions of all Timber designated for harvest.

(i) For breach of this Section, State may terminate this contract and take such other action as may be provided by statute or regulation, including the imposition of penalties. When terminated by the State under this Section, the State will not be liable for any Claim submitted by Purchaser relating to the termination.

Branding and Painting Requirements

For sawtimber products being delivered to manufacturing sites within Region 1 and 4 – Ten (10) sawtimber logs on each loaded log truck, that are greater than seven (7) inches d.i.b that are eight (8) feet or more in length and one-third (1/3) or more sound will be painted with highway yellow paint and branded with a hammer brand identifying the timber sale from which the log was removed. Each paint spot must be not less than three (3) square inches in size. The brand and paint marks must be on the same end of the logs. The hammer brand will be assigned/registered by the State selling federal timber, in coordination with the appropriate Forest and Region.

For all sawtimber products being delivered to the IFG sawmill in Lewiston, ID-
Twenty (20) sawtimber logs on each loaded log truck, that are greater than seven (7) inches d.i.b that are eight (8) feet or more in length and one-third (1/3) or more sound will be painted with highway yellow paint and branded with a hammer brand identifying the timber sale from which the log was removed. The brand and paint marks must be on the same end of the logs. Each paint spot must be not less than three (3) square inches in size. All ponderosa pine >15 inches and all other species >30" will require double end painting and branding. The hammer brand will be assigned/registered by the State selling federal timber, in coordination with the appropriate Forest and Region.

For sawtimber products being delivered to manufacturing sites within Region 1 located in Powell, Granite, and all other counties located east of the continental divide –
Painting and Branding requirements will be waived for all sawtimber logs.

If purchasers are violating export laws or are not complying with the terms as identified above the State will require single end painting and branding of all Logs.

For sawtimber products being delivered to non-manufacturing sites within Region 1 and 4, including sort yards, reloads and collection sites –
All Sawtimber logs on each loaded log truck, that are greater than seven (7) inches d.i.b that are eight (8) feet or more in length and one-third (1/3) or more sound will be painted with highway yellow paint and a single-end brand identifying the timber sale from which the log was removed. The brand and paint marks must be on the same end of the logs. Each paint spot must be not less than three (3) square inches in size. The hammer brand will be assigned/registered by the State selling federal timber, in coordination with the appropriate Forest and Region.

For sawtimber products being delivered to Guy Bennett Lumber, port of Wilma, Clarkston Washington, -
At least twenty (20) logs on each loaded log truck, that are greater than seven (7) inches d.i.b that are eight (8) feet or more in length and one-third (1/3) or more sound will be painted with highway yellow paint and branded with a hammer brand identifying the timber sale from which the log was removed. The brand and paint marks must be on the same end of the logs. Each paint spot must be not less than three (3) square inches in size. The hammer brand will be assigned/registered by the State selling federal timber, in coordination with the appropriate Forest and Region.

For logs being hauled to other Regions, the painting and branding requirements will be the following:

For sawtimber products being hauled to manufacturing sites within Region 2 –
At least ten (10) sawtimber logs on each loaded log truck, that are greater than seven (7) inches d.i.b that are eight (8) feet or more in length and one-third (1/3) or more sound will be painted with highway yellow paint and branded with a hammer brand identifying the timber sale from which the log was removed. The brand and paint marks must be on the same end of the logs. Each paint spot must be not less than three (3) square inches in size. Or as identified by Region 2 given the location of where logs are being delivered.

Sawtimber products being hauled to manufacturing sites within Region 3 and Region 5 –
All sawtimber logs on each loaded log truck, greater than seven (7) inches d.i.b that are eight (8) feet or more in length and one-third (1/3) or more sound will be single end painted with highway yellow paint and branded with a hammer brand identifying the timber sale from which the log was removed. The brand and paint marks must be on the same end of the logs. Each paint spot must be not less than three (3) square inches in size. The hammer brand will be assigned/registered by the State selling federal timber, in coordination with the appropriate Forest and Region.

Sawtimber products being hauled to manufacturing sites within Region 6 –
At least twenty (20) logs on each loaded log truck, that are greater than seven (7) inches d.i.b that are eight (8) feet or more in length and one-third (1/3) or more sound will be painted with highway yellow paint and branded with a hammer brand identifying the timber sale from which the log was removed. The brand and paint marks must be on the same end of the logs. Each paint spot must be not less than three (3) square inches in size. The hammer brand will be assigned/registered by the State selling federal timber, in coordination with the appropriate Forest and Region.

Sawtimber products being delivered to port of Umatilla, Oregon, other ports east of the Cascades, all points west of the Cascades and any port of entry into British Columbia –
All sawtimber logs on each loaded log truck that are greater than seven (7) inches d.i.b that are eight (8) feet or more in length and one-third (1/3) or more sound will be double end painted with highway yellow paint and branded with a hammer brand identifying the timber sale from which the log was removed. The brand and paint marks must be on the same end of the logs.

Each paint spot must be not less than three (3) square inches in size. The hammer brand will be assigned/registered by the State selling federal timber, in coordination with the appropriate Forest and Region.

Log and Load Identification Operating Procedures.

a. If mule trains or truck/pup combinations are used, each bunked load stands on its own and these requirements will apply to each unit. If a flatbed stake trailer is used, each bundle will be treated as a separate unit.

b. Bucking of broken-ended logs on the sale area to furnish a branding surface will not be required.

c. Purchasers of Idaho timber sales will have to register their brands with the State Board of Scaling Practices at Coeur d'Alene, Idaho. Timber purchasers already having brands registered with the State of Idaho may use these brands on Forest Service timber sales, when approved in advance by the State Forester. The same applies to purchasers of Montana sales destined to be processed in Idaho.

d. Branding and painting of non-sawtimber logs is not required.

Attachment E

Sample-DOMESTIC PROCESSING OF TIMBER AGREEMENT
USE OF TIMBER

The Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 U.S.C. 620 et seq.) (Act) and the _____ Timber Sale on the _____ National Forest, dated: _____, between: _____ of
(Purchaser)

_____ and the_____.
(Address) (State)

acting through the Forest Service, United States Department of Agriculture, expressly requires that all unprocessed timber sold or otherwise transferred thereunder shall not be exported from the United States and shall receive domestic processing within the United States. The requirement for domestic processing does not apply to Port Orford cedar and Alaska yellow cedar. Within the terms and conditions of this contract, "unprocessed timber" is defined to mean: "Trees or portions of trees or other roundwood not processed to standards and specifications suitable for end product use and intended for remanufacture (36 CFR 223.186)".

The unprocessed timber originating from Federal lands which is being transferred under this agreement is branded with the following brand:___ _

As a buyer of logs, bolts, or other roundwood originating from the sale area of said timber sale, (I) (We) acknowledge the Federal origin of such timber and agree to abide by the Act and by the terms and conditions of said contract with respect to the domestic processing of unprocessed timber. (I) (We) also agree that all hammer brands and/or yellow paint will not be removed from logs until they are domestically processed. In addition, (I) (We) agree to require the execution of another "Agreement" by any party we sell, exchange, or otherwise deliver such "unprocessed timber" to, as a condition of such a sale, exchange, or delivery, the "Agreement" shall (1) specify domestic processing for unprocessed timber, and (2) require that all hammer brands and/or yellow paint must remain on logs until they are domestically processed, and (3) require the execution of such agreements between the parties to any subsequent transactions involving unprocessed timber. And to submit a copy of each agreement within 1O calendar days of the transaction to the State from which the Federal timber originated.

_____	_____
(Name of Seller/Transferer)	(Name of Buyer/Transferee)
_____	_____
(Address)	(Address)
_____	_____
(Signature of Authorized Official)	(Signature of Authorized Official)
_____	_____
(Title)	(Title)
_____	_____
(Date)	(Date)

SAMPLE

United States Department of Agriculture
U.S. Forest Service

Food/Wildlife Attractant Storage Order

Northern Continental Divide Ecosystem Area
Flathead, Lolo, Kootenai, Helena-Lewis and Clark, Beaverhead-Deerlodge National Forests
USDA, Forest Service, Region One

Pursuant to 16 U.S.C. §551 and Title 36 C.F.R. §261.50(a) the following acts are prohibited or restricted on the Flathead, Lolo, Kootenai, Beaverhead-Deerlodge, Helena-Lewis and Clark National Forests, Montana, within the Northern Continental Divide Ecosystem area.

PROHIBITIONS

1. Possessing or storing any food or refuse, except as specified in this Order. Exhibit B, which is hereby made part of this Order. 36 C.F.R. § 261.58(cc)
2. Possessing, storing, or transporting any bird, fish, or other animal or parts thereof, except as specified in this Order. Exhibit B, which is hereby made part of this Order. 36 C.F.R. § 261.58(s)

PURPOSE

The purpose of these restrictions is to reduce the likelihood of a human-to-bear conflict, compromising the safety for both humans and bears.

AREA RESTRICTED

Appropriate food storage or attendance, as outlined in this Order, is required on all National Forest System (NFS) lands within the Flathead, Lolo, Kootenai, and Helena – Lewis and Clark, except the Crazy Mountain Range, on the Belt Creek–White Sulphur Springs Ranger District and on all NFS lands within that portion of the Beaverhead-Deerlodge National Forest, Butte Ranger District as depicted on the attached map, Exhibit A, which is hereby made part of this Order.

IMPLEMENTATION

1. This Order will be in effect annually from March 1st to December 31st, through calendar year 2028.
2. Food/Wildlife Attractant Storage Special Order Prohibitions, Information and Definitions are attached as Exhibit B, and hereby made a part of this Order.

EXEMPTIONS

Pursuant to 36 C.F.R. §261.50(e), the following are exempt from this Order:

1. Persons with a special use authorization or other Forest Service authorization specifically exempting them from the effect of this Order. 36 C.F.R. §261.50(e)(1)

2. Any Federal or State officer placing baits to capture animals for research or management purposes as part of their official duties. 36 C.F.R. §261.50(e)(4)

PENALTY

Violation of these prohibitions is punishable by a fine of not more than $5,000 for an individual or $10,000 for an organization, or imprisonment for not more than 6 months, or both (16 U.S.C. § 551 and 18 U.S.C. §§ 3559, 3571, and 3581).

INFORMATION

Further information regarding this order may be obtained at any of the following Supervisors Offices: Flathead National Forest, located at 650 Wolfpack Way, Kalispell, MT, (406)758-7502. Lolo National Forest, located at 24 Fort Missoula, Missoula, MT (406)329-3750, or Helena-Lewis and Clark National Forest, located at 2880 Skyway Drive Helena, MT (406)449-520, Kootenai National Forest, located at 31374 US Highway 2, Libby, MT (406)293-6211, Beaverhead-Deerlodge National Forest, located at 420 Barrett St. Dillion, MT (406) 683-3900.

Done this 14th day of February 2023.

By: _____

Leanne Marten
Regional Forester
Northern Region, USDA Forest Service

Exhibit A
Northern Continental Divide Ecosystem Area, Food/Wildlife Attractant Storage Order
Order # R1-2023-02

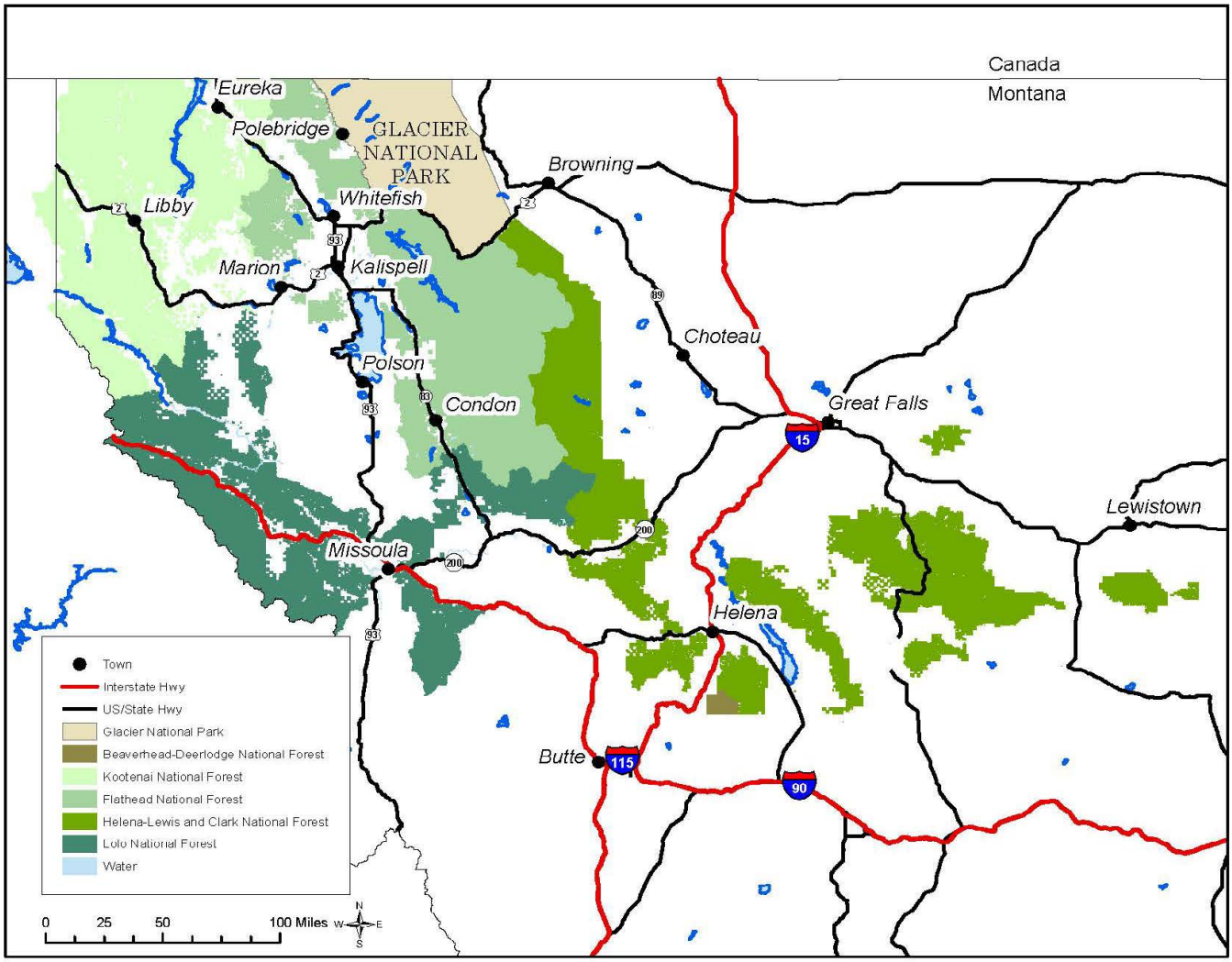


Exhibit B

Food/Wildlife Attractant Storage Special Order
Prohibition, Information and Definitions

It Is Required That:

1. During daytime hours, all attractants, including human, pet, and livestock food (except baled or cubed hay without additives) and garbage shall be stored in a bear resistant manner when not being attended.

2. During nighttime hours, all attractants, including human, pet, and livestock food (except baled or cubed hay without additives) and garbage shall be stored in a bear resistant manner unless it is in immediate control, being prepared for eating, being eaten, being transported, or being prepared for storage, as defined herein.

3. Any harvested animal carcasses (including big game, birds, fish or other animal parts) that are within 1/2-mile of any camp or sleeping area or within 200 yards of a National Forest System Trail shall be stored in a bear-resistant manner by the responsible party (unless the carcass is being field dressed, transported, being prepared for eating, or being prepared for storage, as defined herein). If a wildlife carcass is within an attended camp during daytime hours it may be on the ground.

4. Attractants shall not be buried, discarded, or burned in an open campfire.
   a. Leftover food or food waste products may be placed in an appropriate, sealed container and packed out with garbage.

   b. Leftover food or other attractants may be burned in a contained stove fire.

   c. Attractants may be placed into a suitable container (i.e. tin can) to prevent leaching into the ground and burned over an open campfire. Any remaining attractants unconsumed by burning shall be placed with other garbage and packed out.

5. The responsible party shall report the death and location of any livestock to a Forest Service Official within 24 hours of discovery. In some very remote areas, it may not be possible to meet the 24-hour requirement. In these special cases, the responsible party shall report to a Forest Official the discovery of any dead livestock within 48 hours.

6. Approved bear-resistant containers meet the following criteria: A container included in the most current Interagency Grizzly Bear Committee (IGBC) Certified Bear-Resistant Products list. A container not on the list may also be certified by the local District Ranger or their designated representative(s) if it is inspected and approved based on IGBC criteria.

Definitions

1. Attended: At least one adult person (attendee) is physically present within 100 feet who is awake and alert and in immediate control of attractants.

2. Attractant: Food as defined below and garbage from human, livestock, or pet foods. Also includes items such as soft drinks, alcoholic beverages, personal hygiene products, and empty food and beverage containers.

3. Food: Any nourishing substance, which includes human food or drink (canned, solid, or liquid), livestock feed (except baled or cubed hay without additives) and pet food.

4. Attendee: An adult, 18 years of age or older, in control of attractants.

5. Bear-resistant container: A container included in the most current Interagency Grizzly Bear Committee (IGBC) Certified Bear-Resistant Products list (http://igbconline.org/).

6. Bear-resistant manner: Any attractants, including food and garbage, must be stored in one of the following ways if unattended:
   a. secured in a hard-sided Recreational Vehicle, vehicle trunk, cab, or trailer cab.
   b. secured in a hard-sided dwelling or storage building.
   c. suspended at least 10 feet up (from the bottom of the suspended item) and 4 feet out from any upright support, i.e. tree or pole.
   d. stored in an approved bear-resistant container.
   e. stored within an approved and operating electric fence.
   f. stored in any combination of these methods; or
   g. stored by methods other than those described in Section #6, a-f, that shall be approved in writing by the Forest Supervisor.

7. Contained fire stove: A metal stove that completely encloses the fire.

8. Daytime: 1/2 hour before sunrise to 1/2 hour after sunset.

9. Nighttime: 1/2 hour after sunset to 1/2 hour before sunrise.

10. Livestock: A domesticated animal, such as mule, horse, llama, or goat.

11. Wildlife carcass: The body, or any parts thereof, of any deceased wild animal, bird, or fish.

12. Approved electric fences will meet, as a minimum, the following specifications:

a. **7 Strand Fence** (refer to Forest Service publication 9923-2321-MTDC, "Electric Fence Systems: Requirements for Meeting the NCDE Food Storage Special Order, 1999", for more description of fence specifications and set-up):

(1) The fence will be set up as a "tight wire" fence. The wire will be tight and under tension, not loose or sagging.

(2) Minimum fence height 4 feet.

(3) Minimum post height 5 feet.

(4) Maximum spacing between posts 8 feet.

(5) Conductors (wire): Minimum of 7 wires, with 6-10 inch spacing between wires. Bottom wire must be within 2 inches of the ground. All wire must be smooth metal fence wire of at least 16 gauge or poly wire, except the top wire which may be poly tape of at least six strand stainless steel.

(6) The system will be set up to operate both as a ground wire return and a grounded system. The 2 top wires will be hot, with all other wires alternating hot and ground. The minimum length ground rod is 2 feet.

(7) Fence charger (minimum): (1) energizer output of 0.7 joules; (2) tested peak output of 5000 volts; (3) 40 shocks per minute. User must be able to test electrical output in the field.

(8) The charger must be made inaccessible to disturbance from a bear. The charger may be stored within the interior of the fence or located a minimum of 10 feet above ground.

(9) Minimum distance between fence and items enclosed by fence……3 feet.

b. **Portable Electric Mesh Fence** (refer to Forest Service publication 0723- 2305-MTDC, "Specifications for Portable Electric Fence Systems as Potential Alternative Methods for Food Storage, 2007", for more description of fence specifications and set-up):

(1) Portable electric mesh fence shall not be left in any location for more than 16 days.

(2) Minimum fence height……33 inches.

(3) Minimum post length……42 inches.

(4) Post construction required to be polyethylene with metal spike on bottom.

(5) Minimum of 3 strands of stainless-steel wire per horizontal wire.

(6) Minimum number of horizontal wires……8.

(7) Horizontal opening in mesh required to be less than 12 inches.

(8) Minimum length of ground rod required to be 1 foot and earth ground is mandatory.

(9) Fence charger (minimum): (1) energizer output of0.11 joules; (2) Minimum tested peak output voltage (on every hot conductor, with no load other than the fence) required to be 5,000 volts. (3) Minimum pulse duration (with a 10,0000-ohm load applied) required to be 0.05 milliseconds: (4) Minimum shocks per minute….35. **User must be able to test electrical output in the field.**

(10) Minimum distance between fence and items inside……1½ feet.

(11) Readable placard indicating fence is electrified is required.

(12) Maximum fence length……60 feet.

(13) Minimum of 2 LED lights.

Attachment G: TRI-FOREST FEDERAL SUSTAINED YIELD UNIT. (5/26)

(a) Purchaser shall comply with all the requirements of the Tri-Forest Federal Sustained Yield Unit Management Plan, the terms of which are hereby incorporated by reference. If the Management Plan is revised during the life of this contract, a bilateral in scope modification will incorporate any changes.

(b) Timber meeting Utilization Standards stated in VII.C shall be delivered, processed and manufactured within the Manufacturing Area shown in the Management Plan. Purchaser may request a waiver for the delivery of products within the Tri-Forest Federal Sustained Yield Unit only for the reasons outlined in the Management Plan.

(c) Purchaser shall maintain, and provide Quarterly Records for the periods 10/01-12/31, 01/01-03/31, 04/01-06/30, and 07/01-09/30, and an Annual Summary Report covering these periods by 10/31 to the State which indicate:

(i) Volume of timber delivered from this contract by product and delivery destinations in Ton.

(ii) If a manufacturer of sawtimber, provide Lumber Tally volume of manufactured sawtimber from this contract by consumer products in thousands of board feet. /1/

/1/ Lumber Tally Definition: The actual, physical measurement of board feet in the finished lumber after logs have been sawn, trimmed, and sometimes dried and surfaced.

(iii) If a manufacturer of non-sawtimber, provide volume of manufactured non-sawtimber from this contract by consumer products in Cords, Ton, or Lineal Feet, whichever is the customary unit of measure for the product.

(d) Purchaser shall require any buyer, exchangee, or recipient of timber from this contract to execute a written agreement acceptable to the State, which shall:

(i) Require compliance with manufacturing requirements stipulated in the Management Plan;

(ii) State the quantity of timber volume purchased in Ton;

(iii) Require reporting to the State not less than annually on the disposition of purchased timber from this contract manufactured within the Manufacturing Area. The report shall indicate:

a. Lumber Tally volume of manufactured sawtimber originating from this contract by finished consumer products in thousands of board feet.

b. Volume of manufactured non-sawtimber originating from this contract by finished consumer products in Cords, Ton, or Lineal Feet.

(iv) Require the execution of such agreements between the parties to any subsequent transactions involving said timber.

Purchaser shall provide a copy of such agreements in item (d) to the State within 10 days of execution. Failure by the Purchaser to execute the required agreement shall be considered noncompliance.

Upon request, all records dealing with origin and disposition of designated timber shall be made available to the State.

For noncompliance with this provision, the State may suspend or terminate this contract without liability and may take such other appropriate action, including debarment or the imposition of such other penalties as may be provided by law or regulation under FAR 52.212-4(m).

MONTANA
Department of Transportation

Montana Department of Transportation

Approach Permit

2701 Prospect Ave
PO Box 201001
Helena, MT 59620-1001
(406) 444-6200
www.mdt.mt.gov

Printed Date: 11/02/2026

Permit Number: 11379
Name: UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE
Company Name:
Address: 1105 15TH STREET NORTH
GREAT FALLS, MT 59401
Phone Number: (406) 791-7750
Nature of Permit:

THE APPROACH IS NECESSARY FOR ACCESS TO UNITS FOR COMMERCIAL TIMBER HARVEST. THE APPROACH MAY BE USED BY COMMERCIAL LOGGING VEHICLES, AND GOVERNMENT PERSONNEL NECESSARY FOR LAND MANAGEMENT ACTIVITIES.
THE APPROACH IS LOCATED 16.2 MILES NORTH OF WHITE SULPHUR SPRINGS, MT.
THE APPROACH WILL BE CONSTRUCTED IN 2027.
THE APPROACH WILL BE REMOVED AND OBLITERATED BEFORE OCTOBER 15, 2030.
THE APPROACH SHALL BE CONSTRUCTED AS SHOWN IN THE ATTACHED DETAILS. A 24" DIAMETER CMP WILL BE INSTALLED IN THE APPROACH, AND THE APPROACH SHALL BE SURFACED WITH AGGREGATE UP TO THE ROW BOUNDARY.

Sign Route	Corridor	Mile Post Start	Mile Post End	County
US-89	C000060	13.4	13.4	Meagher

Conditions of Permit:

1) All other necessary permits for this project must be obtained by and are the responsibility of the applicant/permitee.

2) Permittee shall repair any damage done to MDT right of way as soon as possible

3) Permittee shall be responsible for all utility locates

4) If any deviation from the approved plans is determined necessary at the time of construction, the deviation must be approved by MDT.

5) Applicant/Permitee Shall Not Store or Park Equipment or Materials in Right-A-Way After Hours of Project.

6) Approval is contingent upon the applicant complying with all applicable environmental laws. The applicant is solely responsible for any environmental impacts incurred as a result of this project and is solely responsible for obtaining any necessary environmental permits, notifications, and/or any other necessary environmental clearances.

7) Any affected ground on MDT right of way must be returned to its original condition and reseeded with certified weed free seed.

8) Applicant/Permittee Shall Only Work in MDT Right-Of-Way Monday Through Friday, No Holidays.

9) Final Issuance of Approach Permit is conditional upon a passing inspection by MDT.

10) If any aquatic resources, such as streams, canals, wetlands, irrigation ditches, springs, etc. will be impacted as a result of this project, the appropriate water quality permits should be obtained from state, federal, tribal, and/or local agencies.

11) All disturbed area must be returned to original compacted condition with topsoil and certified weed free seed or comparable grass seeded. Initial full growth is the responsibility of the permittee.

12) Any ground affected on MDT property must be returned to the same and/or improved condition..

13) All Flaggers used on project shall be Montana certified.

14) 18" CMP culvert required, length as needed.

2701 Prospect Ave
PO Box 201001
Helena, MT 59620-1001
(406) 444-6200
www.mdt.mt.gov

Printed Date: 11/02/2026

15) LIABILITY CLAUSE - The permitee owners shall protect the State of Montana and save it harmless from all claims, actions or damages of every kind which may accrue to , or be suffered by and person or persons, by reason of the performance of the activity or by improper occupancy of the highway right of way. In the event any suit or action is brought against the State of Montana arising out of the above causes the permittee owners will defend the suit or action.

16) Any work performed prior to MDT review and approval is subject to removal if MDT design standards and/or guidelines are not met.

17) RACET- Road approach culvert end treatments are required to be installed to the end of the drainage pipe.

18) Notify MDT Maintenance Superintendent at the Division Office prior to starting construction activities in the right-of-way to ensure traffic control and construction activities meet MDT approval, including submission of a copy of the NOI for the SWPP from MT DEQ. Contact MDT Maintenance Superintendent for the final inspection and approval signature. If work is not completed in 12 months, applicant must request an extension from MDT.

19) Permittee shall stockpile debris as far away from roadway as possible.

Drainage Information:

Type	Size	Length	Drain Site Distance Right	Drain Site Distance Left
24" 36' Cmp	24"	36'	1000'	1000'

Other Remarks and/or Conditions:

Please call John Antonick at 406-570-2108 when this culvert is installed so I can go and do an inspection of the installation.

Applicant Date	Issue Date	End Date	Permit Type	Maintenance Division
Aug 10, 2026	Aug 21, 2026	Oct 30, 2030	Temporary	Bozeman

Signatures

Type	Signature	Title
MDT District Rep	John D. Antonick	Bozeman Maintenance Superintendent
Applicant	Scott MacDonald	

Applicant will review the terms and conditions of this permit. In signing and submitting this permit, the applicant has agreed to accept and abide by those terms and conditions in their entirety. This permit has been officially approved by the Montana Department of Transportation by:

SIGNATORIES NAME: John D. Antonick DATE: 08/21/2026

SIGNATORIES TITLE: Bozeman Maintenance Superintendent

Approach Permits are subject to the following terms and conditions:

TERM - This permit shall be in full force and effect from the date hereof until revoked as herein provided.

REVOCATION - This permit may be revoked by State upon giving thirty (30) days notice to Permittee by ordinary mail, directed to the address shown in the application hereto attached, but the State reserves the right to revoke this permit without giving said notice in the event Permittee breaks any of the conditions or terms set forth herein.

COMMENCEMENT OF WORK - No work shall be commenced until Permittee notifies the Maintenance Chief shown in application the date the Permittee proposes to commence work.

CHANGES IN HIGHWAY - If the State changes the highway, or there are other changes to adjoining streets, alleys, etc., which necessitate alterations in structures or installations installed under this permit, Permittee shall make the necessary alterations at Permittee's sole expense or in accordance with a separate agreement.

STATE SAVED HARMLESS FROM CLAIMS - In accepting this permit the Permittee, its/his successors or assigns, agree to protect the State and save it harmless from all claims, actions or damage of every kind and description which may accrue to, or be suffered by, any person or persons, corporations or property by reason of the performance of any such work, character of materials used, or manner of installations, maintenance and operation, or by the improper occupancy of said highway right of way, and in case any suit or action is brought against the State and arising out of, or by reason of, any of the above causes, the Permittee, its/his successors or assigns, will upon notice to it/him of the commencement of such action, defend the same at its/his sole cost and expense and satisfy any judgment which may be rendered against the State in any such suit or action.

PROTECTION OF TRAFFIC - Submit a traffic control plan for review and approval prior to any work being performed in MDT Right-of-Way. Traffic control must meet current MUTCD and MDT standards and guidance. The approval shall in no way operate to relieve or discharge the Permittee from any of the obligations assumed by acceptance of this permit, and especially those set forth under Section 6 thereof.

HIGHWAY AND DRAINAGE - If the work done under this permit interferes in any way with the drainage of the State Highway affected, Permittee shall, at its/his own expense, make such provisions as the State may direct to take care of said drainage.

RUBBISH AND DEBRIS - Permittee is responsible for debris that is carried onto the roadway by this construction with sweeping and cleaning done daily at permittee's expense. Upon completion of work contemplated under this permit, all rubbish and debris shall be immediately removed and the roadway and the roadside left in a neat and presentable condition satisfactory to the State.

WORK TO BE SUPERVISED BY STATE - All work contemplated under this permit shall be done under the supervision of and to the satisfaction of the authorized representative of the State, and the State hereby reserves the right to order the change of location or removal of any structure or installation authorized by this permit at any time, said changes or removal to be made at the sole expense of the permittee.

STATES RIGHT NOT TO BE INTERFERED WITH - All such changes, reconstructing or relocation shall be done by Permittee, in such a manner as will cause the least interference with any of the State's work, and the State shall in no way be liable for any damage to the Permittee by reason of any such work by the State, its agents, contractors or representatives, or by the exercise of any rights by the State upon the highways by the installations or structures placed under this permit.

REMOVAL OF INSTALLATIONS OR STRUCTURES - Unless waived by the State, upon termination of this permit, the Permittee shall remove the installations or structures contemplated by this permit and restore the premises to the condition existing at the time of entering upon the same under this permit, reasonable and ordinary wear and tear and damage by the elements, or by circumstances over which the Permittee has no control, excepted.

MAINTENANCE AT EXPENSE OF PERMITTEE - Permittee shall maintain, at its/his sole expense the installations and structures for which this permit is granted, in a condition satisfactory to the State.

STATE NOT LIABLE FOR DAMAGE TO INSTALLATIONS - In accepting this permit the Permittee agrees that any damage or injury done to said installations or structures by a contractor working for the State, or by any State employee engaged in construction, alteration, repair, maintenance or improvement of the State Highway, shall be at the sole expense of the Permittee.

STATE TO BE REIMBURSED FOR REPAIRING ROADWAY - Upon being billed therefor Permittee agrees to promptly reimburse State for any expense incurred in repairing surface or roadway due to settlement at installation, or for any other damage to roadway as a result of the work performed under this permit.

OTHER CONDITIONS:

All approach side slopes will preferably be constructed on 10 to 1 slope but not less than 6 to 1 slope, unless otherwise approved.

No private signs or devices etc., will be constructed or installed within the highway right-of-way limits.

This permit is valid only if approach construction is completed within specified months from date of issue as described in Other Remarks and/or Conditions.