

P r o s p e c t u s

***SBA SET-ASIDE SALE

THIS IS A DESIGNATION BY PRESCRIPTION SCALE SALE

GLENDALÉ RESOURCE AREA
JOSEPHINE MASTER UNIT

Medford Sale # OR 110-TS10-20
September 16, 2010 (SQF)

#7. Wolf Pup, Douglas & Josephine Counties, O&C, P.D. BID DEPOSIT REQUIRED: \$24,400.00

All timber designated for cutting in E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 9, W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 10, S $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11, Lots 1, 5, 6, 7, 8, 10, 11, 14, 15, 16 Section 13, SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14, N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$ Section 15, NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 24, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 25, NE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 26, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 35, T.33 S., R.7W., Willamette Meridian.

Approx. Number Merch. Trees	Est. Volume MBF 32' Log	Est. Volume CCF	Species	Est. Volume MBF 16' Log	Appr. Price Per MBF*	Est. Volume Times Appraised Price
12,619	2,242	4,755	Douglas-fir	2,747	\$88.70	\$243,658.90
12,619	2,242	4,755	Totals	2,747		\$243,658.90

*Stumpage values have been determined by market value estimates and analytical appraisal methods were used to compute the appraised price. Additional information concerning the appraised price is available at the Medford District Office.

***This is an SBA Set-Aside timber sale. Bidding is limited to small business concerns as defined by the Small Business Act, §3, 72 Stat. 384, 15 U.S. Code 632, and the regulations of the Small Business Administration, Title 13, Code of Federal Regulations, Part 121, as amended.

TIMBER AUCTION LOCATION – The timber auction will be held at the Medford Inter-agency Office, located at 3040 Biddle Road, Medford, Oregon, at 9 a.m. on Thursday, September 16, 2010.

Bidders will be restricted to bidding on a unit (MBF) rate of the Douglas-fir volume. All other species will be sold at appraised price per unit (MBF). The minimum bid increment will be \$0.10 per MBF.

CRUISE INFORMATION - The Douglas-fir in Units 10-1, 11-1, 13-1, 13-2, 13-5, 15-2, 25-8, 26-2, 35-4, 35-7B, 35-12 has been cruised using the PCMTRE sampling method to select sample trees. Maps showing the location and description of these sample trees are available at the Grants Pass Interagency Office.

The sample trees have been measured, utilizing the VOLT system of measurement, and the volume expanded to a total sale volume.

The volume of DF in roadside units 33-7-13, and 33-7-36 has been derived from individual tree measurements taken during a 100% cruise using form class tables for estimating board foot volume of trees in 16-foot logs.

With respect to merchantable trees of all conifer species: the average tree is 15.3 inches DBHOB; the average gross merchantable log contains 68 bd. ft.; the total gross volume is approximately 3063 M bd. ft; and 90% recovery is expected. (Average DF is 15.3 inches DBHOB; average gross merchantable log DF contains 68 bd. ft.)

LOG EXPORT AND SUBSTITUTION RESTRICTIONS - All timber sold to the Purchaser under the terms of the contract, except exempted species, is restricted from export under the United States in the form of unprocessed timber and is prohibited from use as a substitute for exported private timber.

The BLM has revised the log export restrictions special provision to reduce the log branding and painting requirements. The new requirements include branding of one end of all logs with a scaling diameter of over 10 inches. All loads of 11 logs or more, regardless of the diameter of the logs, will have a minimum of 10 logs branded on one end. All logs will be branded on loads of 10 logs or less. One end of all branded logs will be marked with yellow paint. At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. The Purchaser shall bear any increased costs for log branding and painting.

CUTTING AREA - Eleven units containing 214 acres of commercial thinning and two right-of-way units containing 4 acres of roadside clearing.

CUTTING TIME - Contract duration will be 36 months for cutting and removal of timber.

ACCESS - Access to the sale area is available via an existing BLM road; via a Right-of-Way and Road Use Agreement M-887B with Plum Creek Timberlands L.P. Among other conditions, this agreement requires completion of an agreement between the Purchaser and Permittee.

ROAD MAINTENANCE - The Purchaser will be required to maintain all of the roads which he constructs plus 15.7 miles of existing BLM and private road. The Purchaser will be required to pay a maintenance and rockwear fee of \$0.46 per MBF per mile for the use of roads 33-7-2.1, 33-7-13, 33-7-13.4, 33-7-13.5 A and B, 33-7-13.6 A, 33-7-13.7, 33-7-35, and 33-7-36 A, B, and C. The Purchaser will be required to pay a maintenance and rockwear fee of \$0.55 per MBF per mile for the use of roads 33-7-13.5 C2, D, and E. The Purchaser will be required to pay a total fee of \$12.76 for the use of road # 33-7-13.5C1.

ROAD CONSTRUCTION - The contract will require the Purchaser to construct 1.96 stations and improve 10.35 stations of road. Additional information is available in the timber sale prospectus.

SOIL DAMAGE PREVENTION - Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall limit tractor yarding in Units 10-1, 11-1, 13-1, 15-2, 25-8, 35-4, 33-7-13, and 33-7-36 between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at 4-6" to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable, as determined by the Authorized Officer, the waiver will be revoked.

EQUIPMENT REQUIREMENTS - A 40 foot tower and 1,040 foot cable capacity; lateral yarding capability of 75 feet, with one end suspension of logs during inhaul, and capable of multi-span. Yarding tractor will not exceed 9 feet in width and must be capable of bull-lining 75 feet. A minimum 200 flywheel horsepower tractor with mounted rippers no more than 36 inches apart and capable of ripping to a depth of 18 inches will be required for decommissioning skid trails.

SLASH DISPOSAL - Slash disposal will consist of 178.5 acres of lop and scatter, 25 acres of hand pile, cover, and burn hand piles along roads, and 10.5 acres of machine pile landings (and

20 feet around landing piles), cover, and burn landing piles.

CONTRACT TERMINATION - A revised Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and /or to modify or terminate the contract when necessary to:

1. Comply with the Endangered Species Act, or;
2. Comply with a court order, or;
3. Protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan (RMP), or;
4. Protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP.

This contract provision limits the liability of the Government to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area.

PERFORMANCE BOND - A performance bond in the amount of 20% of the total purchase price will be required.

OTHER -




1. No extension of time beyond the normal 30 days will be granted for completing bonding and contract signing requirements.
2. **All leave trees will be selected by the Purchaser through Designation by Prescription (DxP) criteria as outlined in Exhibit E, except Units 35-4, 33-7-13, and 33-7-36 which have already been blue marked (for cut tree removal).**
3. Volume and calculation of value will be based solely on 100% scale.
4. This contract contains provisions (L-24) requiring that prior to falling and removal of trees, the purchaser shall mark each harvest unit as shown and outlined in Exhibit E, except Units 35-4, 33-7-13, and 33-7-36 which have already been blue marked (for cut tree removal) by the government. Identification of leave trees will be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
5. Temporary routes constructed and/or renovated would be discontinuously sub-soiled with winged ripper teeth, seeded, water-barred, mulched, and blocked prior to October 15th during dry soil conditions upon completion of current harvest and fuels treatments.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA – From I-5 take exit 76 toward Wolf Creek and stay on Old Hwy. 99. Turn northbound onto Front St. Front St. becomes Lower Wolf Creek Rd. Travel 5.6 miles on Lower Wolf Creek Rd., where it turns into Lower Grave Creek Rd. Travel 0.2 miles on Lower Grave Creek Rd. and turn right onto BLM Rd. # 33-7-36 (Fall Creek Rd.) to access all sale units.

Alternatively, from I-5 take exit 80 toward Glendale. Merge onto Glendale Valley Road for 2.4 miles. Glendale Valley Road becomes Sether Ave. Turn slight left onto Gilbert Ave. Turn left onto Molly St. Turn right onto Pacific Ave. Pacific Ave. becomes Mt. Reuben Rd. Continue on Mt. Reuben Rd. for 4 miles, then turn left onto BLM Rd. # 33-7-2.1 (Rattlesnake Rd.). BLM Rd. # 33-7-2.1 becomes BLM Rd. # 33-7-13. Follow BLM Rd. # 33-7-13 to the saddle to access all sale units from the road junction.

ENVIRONMENTAL ASSESSMENT - An environmental assessment (DOI-BLM-M080-2010-008-EA) was prepared for this sale, and a Finding of No Significant Impact has been documented. This document is available for inspection as background for this sale at the Medford District Office.

Wolf Pup T.S.
OR110-TS10-20

	Restricted To Dry Condition
	Restricted To Dry Condition
	Restricted Period, Unless Clo

** In-stream work periods for culvert cleaning are June 15th- September 15th

Dry Condition Yarding= Tractor skidding would not occur when soil moisture at a depth of 4-6 inches is wet enough to maintain form when compressed, or when soil moisture at the surface would readily displace, causing ribbons and ruts along equipment tracks. These conditions are generally found when soil moisture, at a depth of 4-10 inches, and between 15-25% depending on soil type.

[illegible]

WOLF PUP TIMBER SALE

THIS IS A SALE PROSPECTUS ONLY. THESE ARE THE SPECIAL PROVISIONS AS THEY WILL BE WRITTEN IN THE CONTRACT. ATTACHMENTS MAY NOT INCLUDE ALL EXHIBITS REFERRED TO IN THE CONTRACT PROVISIONS. THE COMPLETE CONTRACT, INCLUDING ALL EXHIBITS, IS AVAILABLE FOR INSPECTION AT THE MEDFORD DISTRICT OFFICE.

Section 40. TIMBER RESERVED FROM CUTTING - The following timber on the contract area is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of Government.

- (A) AR-1 All timber on the Reserve Area(s) as shown on Exhibit A and all trees marked with a combination of orange paint, orange flagging, and/or posters which are on or mark the boundaries of the Reserve Area(s).
- (B) AR-2 All timber on the Reserve Area(s) shown on Exhibit A and all blazed, painted, or posted trees which are on or mark the boundaries of the Reserve Area(s), except approximately two hundred sixty four (264) Douglas-fir trees and eight (8) ponderosa pine trees marked for cutting heretofore by the Government with blue paint above and below stump height in Units 33-7-13 and 33-7-36 shown on Exhibit A.
- (C) AR-2 All timber on the Reserve Area(s) shown on Exhibit A and all blazed, painted, or posted trees which are on or mark the boundaries of the Reserve Area(s), except approximately four hundred forty one (441) Douglas-fir trees marked for cutting heretofore by the Government with blue paint above and below stump height in Unit 35-4 shown on Exhibit A.
- (D) IR-3 All leave trees required to meet the Selection Criteria as outlined in Exhibit E, within harvest areas as shown on Exhibit A.
- (E) IR-6 All non-hazardous snags in harvest units shown on Exhibit A.
- (F) IR-6 All pre-existing dead and down wood in harvest units shown on Exhibit A.

WOLF PUP TIMBER SALE
SPECIAL PROVISIONS

Section 41

(A) Log Exports

- (1) LE-1 All timber sold to the Purchaser under the terms of the contract, except exempted species, is restricted from export from the United States in the form of unprocessed timber, and is prohibited from being used as a substitute for exported private timber. For the purpose of this contract, unprocessed timber is defined as: (1) any logs, except those of utility grade or below, such as sawlogs, peeler logs; and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three-quarters (8-3/4) inches in thickness; (3) split or round bolts or other roundwood not processed to standards or specifications suitable for end product uses; or (4) western red cedar lumber which does not meet lumber of American Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 Common or better. Thus, timber manufactured into the following will be considered processed: (1) lumber and construction timbers regardless of size, manufactured to standards and specifications suitable for end-product uses; (2) chips, pulp, and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacturing of eight and three quarters (8-3/4) inches in thickness or less; or (6) shakes and shingles.

Substitution will be determined under the definition found in 43 CFR 5400.0-5(n).

The Purchaser is required to maintain and upon request to furnish the following information:

1. Date of last export sale.
2. Volume of timber contained in last export sale.
3. Volume of timber exported in the past twelve (12) months from the date of last export sale.
4. Volume of Federal timber purchased in the past twelve (12) months from the date of last export sale.
5. Volume of timber exported in succeeding twelve (12) months from date of last export sale.

6. Volume of Federal timber purchased in succeeding twelve (12) months from date of last export sale.

In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party buying, exchanging, or receiving such timber to execute a "Certificate as to Nonsubstitution and the Domestic Processing of Timber." The original of such certificate shall be filed with the Authorized Officer. Additionally, when the other party is an affiliate of the Purchaser, the Purchaser will be required to update information under item (2) of Form 5450-17 (Export Determination) and file the form with the Authorized Officer.

In the event an affiliate of the Purchaser has exported private timber within twelve (12) months prior to purchasing or otherwise acquiring Federal timber sold under this contract, the Purchaser shall, upon request, obtain from the affiliate information in the form specified by the Authorized Officer and furnish the information to the Authorized Officer.

Prior to the termination of this contract, the Purchaser shall submit to the Authorized Officer Form 5460-15 (Log Scale and Disposition of Timber Removed Report), which shall be executed by the Purchaser. In addition, the Purchaser is required under the terms of this contract to retain for a three-year period from the date of termination of the contract the records of all sales or transfer of logs involving timber from the sale for inspection and use of the Bureau of Land Management.

Unless otherwise authorized in writing by the Contracting Officer, the Purchaser shall brand clearly and legibly one end of all logs with a scaling diameter (small end inside bark) of over ten (10) inches, prior to the removal of timber from the contract area. All loads of eleven (11) logs or more will have a minimum of ten (10) logs clearly and legibly branded on one end regardless of the diameter of the logs. All logs will be branded on loads of ten (10) logs or less. One end of all branded logs to be processed domestically will be marked with a three (3) square inch spot of highway yellow paint. The Purchaser will stop trucks for accountability monitoring at mutually agreed upon locations when notified by the Authorized Officer.

If multiple trailers (mule trains) are used, each bunked load shall be considered an individual load, and these guidelines will apply to each bunked load. If a flatbed stake trailer is used, each bundle will be treated as a separate load.

At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. Any increased costs for log branding and painting shall be the responsibility of the Purchaser.

In the event of the Purchaser's noncompliance with this subsection of the contract, the Authorized Officer may take appropriate action as set forth in Section 10 of this contract. In addition, the Purchaser may be declared ineligible to receive future awards of Government timber for a period of one year.

(B) Logging

- (1) L-1 Before beginning operations on the contract area for the first time or after a shutdown of seven (7) or more days, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. This written notification must be received by the Authorized Officer no less than seven (7) days prior to the date the Purchaser plans to begin or resume operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of (7) or more days.
- (2) L-3 All trees designated for cutting shall be cut so that the resulting stumps shall not be higher than twelve (12) inches measured from the ground on the uphill side of the trees.
- (3) L-4 All conifer trees eight (8) inches or larger D.B.H.O.B. and not reserved in Section 40 and in Exhibit E shall be felled in all harvest units as shown on Exhibit A.

- (4) L-7MC Yarding on the areas designated herein and shown on Exhibit A shall be done in accordance with the yarding requirements or limitations for the designated area.

Designated Area	Yarding Requirements or Limitations
<u>CABLE UNITS</u> 10-1, 11-1, 13-1, 13-2, 13-5, 15-2, 25-8, 26-2, 35-7B, 35-12	<p>Whole tree yarding or yarding with tops attached to the last log is required in all cable units. Delivered log length not to exceed forty-one (41) feet.</p> <p>Directional falling to lead and away from streams is required.</p> <p>Yarding will be done with a cable yarding system which will suspend one end of the log clear of the ground during inhaul on the yarding corridor.</p> <p>A carriage is required which will maintain a fixed position on the skyline during lateral yarding and has a minimum lateral yarding capability of seventy-five (75) feet. Yarding corridors will be perpendicular to the contours.</p> <p>Prior to applying the Selection Criteria outlined in Exhibit E and/or falling any timber in the unit, all yarding corridors, tail/lift trees, and/or intermediate support trees shall be pre-designated and approved by the Authorized Officer. Yarding corridor widths shall not exceed six (6) feet either side of the skyline centerline.</p> <p>Yarding corridors will be approximately one hundred fifty (150) feet apart, measured at the tailholds, and shall be approved by the Authorized Officer.</p> <p>Landing size shall not exceed one-quarter (1/4) acre, shall be located along existing roads, and shall be approved by the Authorized Officer. Design landings with adequate drainage.</p> <p>In Units 10-1, 11-1, 13-5, 26-2, and 35-12, cable corridors that are hydrologically connected shall be waterbarred prior to winter rain events to protect water quality.</p>

Designated Area	Yarding Requirements or Limitations
<u>TRACTOR UNITS</u> 10-1, 11-1, 13-1, 15-2, 25-8, 35-4	<p>Whole tree yarding or yarding with tops attached to the last log is required in all tractor units. Delivered log length not to exceed forty-one (41) feet.</p> <p>Directional falling to lead and away from streams is required.</p> <p>Yarding tractor width will not be greater than nine (9) feet track width and will be equipped with an integral arch. Skid roads will not exceed a width of twelve (12) feet on average per unit.</p> <p>Existing Skid roads will be used when possible. New skid roads must be located on ground less than thirty-five (35) percent slope, be located outside the Riparian Reserve whenever possible and shall be approved by the Authorized Officer. New skid roads will be placed at least one hundred fifty (150) feet apart where topography will allow. Prior to applying the Selection Criteria outlined in Exhibit E and/or falling any timber in the unit, all new skid roads will be pre-designated and approved by the Authorized Officer.</p> <p>Landing size shall not exceed one-quarter (1/4) acre, shall be located along existing roads, and shall be approved by the Authorized Officer. Design landings with adequate drainage.</p> <p>The use of blades while tractor yarding will be limited; equipment shall walk over as much ground litter as possible.</p> <p>In Unit 13-1, the existing designated skid shown on Exhibit A may be used to harvest the unit. Prior to winter rains, the purchaser shall create a ditchline and place haybale sediment traps where this existing skid intersects with the road.</p>

- (5) L-18 No tractor yarding shall be conducted on Units 10-1, 11-1, 13-1, 15-2, 25-8, 35-4, 33-7-13, and 33-7-36 between October 15 of one calendar year and May 15

of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at 4-6" to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable, as determined by the Authorized Officer, the waiver will be revoked.

- (6) L-18 No temporary route construction, temporary route renovation, or road maintenance shall be conducted on the Contract Area between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at 4-6" to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable, as determined by the Authorized Officer, the waiver will be revoked.
- (7) L-18 No hauling on natural surface and rocked roads shall be conducted on the Contract Area between October 15th of one calendar year and May 15th of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If moisture conditions on the road are deemed acceptable and do not result in continuous mud splash or tire slide, fines being pumped through road surfacing from the subgrade, road drainage causing a visible increase in stream turbidities, surface rutting, or any condition that would result in water being chronically routed into tire tracks or away from designed road drainage during precipitation events, Contracting Officer may approve a conditional waiver. If moisture conditions on the road resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (8) L-18a No pile burning in Unit 10-1 shall be conducted from March 1 to June 30 of each year both days inclusive. This restriction will not apply if it can be shown from spotted owl protocol surveys conducted by the Bureau of Land Management in accordance with accepted standards that spotted owl nesting and/or fledging activities are not occurring during the time of harvest.
- (9) L-20 During logging operations, the Purchaser shall keep all roads, where it passes through the contract area, clear of trees, rock, dirt, and other debris so far as is practicable. The road shall not be blocked by such operations for more than thirty (30) minutes.

- (10) L-23 Prior to the commencement of operations, the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A pre-work conference between the Purchaser's authorized representative and the Authorized Officer's representative must be held at a location designated by the Authorized Officer before the logging plan will be approved. All logging shall be done in accordance with the plan developed by this provision.
- (11) L-24 Prior to falling and removal of any trees the Purchaser shall mark each harvest unit as shown and outlined in Exhibit E. Identification of leave trees will be done by paint as approved by the Authorized Officer. Upon acceptance of each harvest unit inspection by the Authorized Officer, the Purchaser may proceed with operations.
- (12) L-25 Before cutting and removing any trees necessary to facilitate logging in the harvest units shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, and intermediate support trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding the following conditions must be met:
- (a) All skid roads and/or cable yarding roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees; however, unless otherwise approved in writing by the Authorized Officer, the width of each skid road shall be limited to ten (10) feet, and cable yarding corridors shall be limited to twelve (12) feet.
 - (b) The Purchaser may immediately cut and remove additional timber to clear skid roads and cable yarding roads; and provide tailhold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with a color of paint to be determined at the Prework conference, by the Authorized Officer, above and below stump height and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber to be sold will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this

provision unless sufficient installment payments have been made in accordance with Section 3.(b). of the contract or sufficient bonding has been provided in accordance with Section 3.(d). of the contract.

- (c) The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Sec. 9 of the contract.
 - (d) This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked and approved for cutting by the Authorized Officer, which under Section 10 of the contract constitutes a violation of the contract and under Section 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.
 - (e) If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber, and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Sec. 8 or Sec. 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay, or interrupt any or all contract work for the period of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.
- (13) L-27 In the harvest Units 33-7-13 and 33-7-36 shown on Exhibit A, all trees designated for cutting which are within fifteen (15) feet of the road shall be felled within the road prism.
 - (14) L-28 In cable harvest units as shown on Exhibit A, the Purchaser shall make cable yarding road changes by completely spooling the cables and restringing the layout from the head spar to the new tailhold to protect advance reproduction and/or reserve trees and snags present on these areas.
- (C) (RC) Road Construction - Maintenance – Use

- (1) RC-1a The Purchaser shall construct, improve and/or renovate all roads and other structures in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.
- (2) RC-1b Prior to removal of any timber, except right-of-way timber, the Purchaser shall complete all construction, improvement, or renovation of structures and roads as specified in Exhibit C.
- (3) RC-1d The Purchaser shall not commence work on road renovation until receiving written notice to do so from the Authorized Officer or as specified in Exhibit C. Work shall be commenced no later than 3 days after such notice, and shall be completed within five months after such notice.
- (4) RC-2a The Purchaser is authorized to use the roads listed below and shown on Exhibit C which are under the jurisdiction of the Bureau of Land Management and Plum Creek Timberlands for the removal of Government timber sold under the terms of this contract and the hauling of rock as required in Exhibit C, provided that the Purchaser comply with the conditions set forth in **Section 41 (C)(8)** and pay the required rock wear obligation described in **Section 41(C)(7)**. The Purchaser shall pay current Bureau of Land Management rock wear fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
33-7-2.1	2.57	BLM	ASC
33-7-13	0.90	BLM	ASC
33-7-13.4	0.47	BLM	ASC
33-7-13.5 A & B	1.74	BLM	ASC
33-7-13.5 C1	0.04	PLUM CREEK	ASC
33-7-13.5 C2 to E	1.71	BLM	ASC
33-7-13.6 A	0.89	BLM	ASC
33-7-13.6 B	0.55	BLM	NAT
33-7-13.7	3.20	BLM	GRR
33-7-35	1.95	BLM	PRR
33-7-36 A & B	1.70	BLM	ABC
33-7-36 C	0.77	BLM	PRR/ASC

- (5) RC-2b With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users on roads included in **Section 41(C)(4)** of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of such roads resulting from wear or damage, in accordance with this contract. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.
- (6) RC-2f The Authorized Officer may at any time by written notice, terminate the Purchaser's operator road maintenance obligations and require instead payment of current Bureau of Land Management road maintenance fees for the particular surface type of the roads involved. These fees will be applied to the remaining contract volume on the sale area to be transported over road or roads listed in **Section 41 (C)(4)**. The Purchaser shall pay the total maintenance amount for said roads within thirty (30) days following receipt of written notice; provided, however, that if the total amount exceeds five hundred and no/100 dollars (\$500.00), the Purchaser may elect to make payment in installments in the same manner as and together with payments required in Section 3 of this contract.

- (7) RC-2g The Purchaser shall also pay to the Government a road maintenance obligation for rockwear fee in the amount of \$0.46 per thousand board feet log scale per mile for the transportation of timber included in the contract price and for transportation of any mineral material required under terms of the contract over road or roads listed in **Section 41(C)(4). (Road numbers: 33-7-2.1, 33-7-13, 33-7-13.4, 33-7-13.5 A and B, 33-7-13.6A, 33-7-13.7, 33-7-35, 33-7-36 A, B and C).** The Purchaser shall also pay to the Government a road maintenance obligation for rockwear fee in the amount of \$0.55 per thousand board feet log scale per mile for the transportation of timber included in the contract price and for transportation of any mineral material required under terms of the contract over road or roads listed in **Section 41(C)(4). (Road numbers: 33-7-13.5 C2, D and E)** The total rockwear fee due shall be based upon volumes determined pursuant to Section (2 and 3) of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads. The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer. The Authorized Officer shall establish an installment schedule of payment of the maintenance obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total rockwear payments made under this contract differs from the total rockwear payment due, such difference shall reconciled between the Purchaser and the BLM within sixty (60) days after such determination is made.
- (8) RC-2h The Purchaser shall perform any required road repair and maintenance work on roads used by him, under the terms of Exhibit D, "Road Maintenance Specifications," of this contract, which is attached hereto and made a part hereof.
- (9) RC-3 In the use of road number 33-7-13.5 C1, the Purchaser shall comply with the conditions of Road Use Agreement No. M-887B dated 26 May, 2000 between the United States of America and **Plum Creek Timberlands, LP. These conditions include: Payment to Plum Creek Timberlands, LP a road use obligation of approximately twelve and seventy six /100 dollars (\$12.76) payable at the time indicated in the license agreement.** This document is available for inspection at the Bureau of Land Management, Medford District Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of said road, the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The

amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.

- (10) RC-3c The Purchaser agrees that if they elect to use any other private road which is the subject of a right-of-way agreement with the Government for the removal of Government timber sold under the terms of this contract, the Purchaser shall request and agree to the modification of this contract to provide for such use and for allowances for amortization of the Government's share of the capital investment of any such road.
- (11) RC-8 The Purchaser shall be required to secure written approval to use vehicles or haul equipment over Government owned or controlled roads and/or structures when that vehicle or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit. Details of such equipment shall be furnished to the Authorized Officer for evaluation of load characteristics, at least fifteen (15) days prior to proposed move-in.

Details shall include:

- A. Axle weights when fully loaded.
- B. Axle spacing.
- C. Transverse wheel spacing.
- D. Tire size.
- E. Outside width of vehicle.
- F. Operating speed.
- G. Frequency of use.
- H. Special features (e.g., running tracks, overhang loads, etc.).

The Purchaser shall be responsible for repair of any damage to roads or structures caused by the use of overweight or over-dimension vehicles (1) without written approval, (2) in violation of the conditions of a written approval or (3) in a negligent manner. The amount of actual damage shall be determined by the Authorized Officer following a technical inspection and evaluation.

(D) Environmental Protection

- (1) E-1 In addition to the requirement set forth in Section 25 of this contract, the Purchaser shall implement the following noxious weed control measures:
- (a) In order to prevent the potential spread of noxious weeds into the Medford District BLM, the operator would be required to clean all logging, construction, chipping, grinding, shredding, rock crushing, and transportation equipment prior to entry on BLM lands.

- (b) Cleaning shall be defined as removal of dirt, grease, plant parts, and material that may carry noxious weed seeds into BLM lands. Cleaning prior to entry onto BLM lands may be accomplished by using a pressure hose.
 - (c) Only equipment inspected by the BLM would be allowed to operate within the Analysis Area. All subsequent move-ins of equipment as described above shall be treated the same as the initial move-in.
 - (d) Prior to initial move-in of any equipment, and all subsequent move-ins, the operator shall make the equipment available for BLM inspection at an agreed upon location off Federal lands.
 - (e) Equipment would be visually inspected by the Authorized Officer to verify that the equipment has been reasonably cleaned.
- (2) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall prepare a Spill Prevention, Control, and Countermeasure Plan for all hazardous substances to be used in the contract area, as directed by the Authorized Officer. Such plan shall include identification of Purchaser's representatives responsible for supervising initial containment action for releases and subsequent cleanup. Such plans must comply with the State of Oregon DEQ OAR 340-142, Oil and Hazardous Materials Emergency Response Requirements.
- (3) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall not refuel equipment, store, or cause to have stored, any fuel or other petroleum products inside any riparian management or wet areas. All Petroleum products shall be stored in durable containers and located so that any accidental releases will be contained and not drain into any stream system. Hydraulic fluid and fuel lines on heavy mechanized equipment would be in proper working condition in order to minimize potential for leakage into streams.
- (4) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate temporary routes, landings, skid trails, cable yarding corridors, and other areas of exposed soils by properly installing and/or using water bars, berms, sediment basins, silt fencing, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff as directed by the authorized officer.
- (5) E-1 In addition to the requirement set forth in Section 25 of this contract, the

Purchaser shall as directed by the Authorized Officer decommission temporary routes following completion of current harvest and fuels treatments, prior to October 15th of the harvest season during dry soil conditions by one of the following methods:

- (a) If the Authorized Officer deems ripping will not cause unacceptable damage to the root systems of residual trees the Purchaser shall discontinuously subsoil with winged ripper teeth, simultaneously water bar, seed, mulch, and barricade.
 - 1. Use a minimum 200 flywheel horsepower tractor with mounted rippers having shanks and teeth consistent with drawings and specifications shown on Exhibit R of this contract, which, is attached hereto and made a part hereof.
 - 2. Subsoil the entire width of the temporary route to a depth of eighteen (18) inches, and no further than thirty six (36) inches apart
 - (b) If the Authorized Officer deems ripping will cause an unacceptable amount of damage to the root systems of residual trees the Purchaser shall scarify to a depth of up to six (6) inches and simultaneously water bar, seed, mulch and barricade.
- (6) E-2 The water bars to be constructed as required by Sec. 25(c) shall be constructed in accordance with the specifications shown on Exhibit W, which is attached hereto and made a part hereof.
 - (7) E-3 If, in connection with operations under this contract, the Purchaser, their contractors, subcontractors, or the employees of any of them, discovers, encounters, or becomes aware of any objects or sites of cultural value on the contract area such as historical or pre-historical ruins, graves or grave markers, fossils, or artifacts, the Purchaser shall immediately suspend all operations in the vicinity of the cultural value and shall notify the Authorized Officer of the findings. Operations may resume at the discovery site upon receipt of written instructions and authorization by the Authorized Officer.
 - (8) E-4 The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:
 - (1) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or re-initiation of

consultation is required concerning the species prior to continuing operation, or;

- (2) when, in order to comply with the Endangered Species Act, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (3) federal proposed, federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
- (4) other active raptor nests have been discovered, and a determination is made that continued operations under this contract would adversely affect the present use of the discovered nesting area by the raptor, or;
- (5) when, in order to comply with a court order which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;
- (6) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (7) species have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;
- (8) when, in order to protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

Those operations necessary for a safe removal of personnel and equipment from the contract area and those directed by the Contracting Officer which are required in order to leave the contract area in an acceptable condition will be permitted. Discontinued operations may be resumed upon receipt of written instructions and authorization by the Contracting Officer.

During any period of suspension, the Purchaser may withdraw performance and payment bond coverage aside from that deemed necessary by the Authorized Officer to secure cut and/or removed timber for which the Bureau of Land Management has not received payment, and/or unfulfilled contract requirements

associated with harvest operations that have already occurred and associated post-harvest requirements.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the First Installment held on deposit may be temporarily reduced upon the written request of the Purchaser. For the period of suspension extending beyond 30 days, the First Installment on deposit may be reduced to five (5) percent of the First Installment amount listed in Section 3.a. of the contract. Any First Installment amount temporarily reduced may be refunded or transferred to another BLM contract at the request of the Purchaser. However, if the Purchaser has outstanding debt owing the United States, the Contracting Officer must first apply the amount of First Installment that could be refunded to the debt owed in accordance with the Debt Collection Improvement Act, as amended (31 USC 3710, *et seq.*). Upon Purchaser's receipt of a bill for collection and written notice from the Contracting Officer lifting the suspension, the Purchaser shall restore the First Installment to the full amount shown in Section 3.a. of the contract within 15 days after the bill for collection is issued, subject to Section 3.g. of the contract. The Purchaser shall not resume contract operations until the First Installment amount is fully restored.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the unamortized Out-of-Pocket Expenses for road or other construction required pursuant to Exhibit C of the contract shall be refunded or transferred to another BLM contract at the request of the Purchaser. Upon written notice from the Contracting Officer lifting the suspension, the Purchaser shall reimburse the Government the amounts refunded or transferred. The Purchaser may choose to pay this reimbursement at once or in installments payable at the same time as payments are due for the timber under the contract and in amounts approximately equal to the expenses associated with the timber for which payment is due.

In the event that operating time is lost as a result of the incorporation of additional contract requirements, or delays due to Endangered Species Act consultation with the U.S. Fish and Wildlife Service or U.S. National Marine Fisheries Service, or court-ordered injunctions, the Purchaser agrees that an extension of time, without reappraisal, will constitute a full and complete remedy for any claim that delays due to the suspension hindered performance of the contract or resulted in damages of any kind to the Purchaser.

The Contracting Officer may determine that it is necessary to terminate the cutting and removal rights under the contract in order to comply with the Endangered Species Act, protect species that have been discovered which were identified for protection through survey and manage and/or protection buffer

standards and guidelines established in the ROD and RMP, or comply with a court order. Following the issuance of a written notice that cutting and removal rights will be terminated, the Purchaser will be permitted to remove timber cut under the contract, if allowed by the Endangered Species Act, survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or court order requirements necessitating the modification or termination.

In the event cutting and removal rights are terminated under this subsection, the Purchaser agrees that the liability of the United States shall be limited to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area. This calculation of liability shall utilize actual Purchaser costs and Government estimates of timber volumes. At the Authorized Officer's request, the Purchaser agrees to provide documentation of the actual costs incurred in the performance of the contract. In addition, the Purchaser shall be released from the obligation to pay the contract price for any timber which is not authorized to be removed from the contract area.

The Purchaser specifically and expressly waives any right to claim damages, other than those described in the preceding paragraphs, based on an alleged breach of any duty to the Purchaser, whether express or implied, in regard to the manner in which the Government defended the litigation which resulted in the court order affecting the operation of the contract. This waiver also extends to any claims based on effects on the operation of the contract that arise from litigation against another agency. Furthermore, the Purchaser specifically acknowledges and agrees that a court ruling that the Government violated the Administrative Procedures Act cannot be interpreted, in itself, to mean that the Government had not acted reasonably in regard to its duties to the Purchaser under this contract.

- (9) E-6 The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year in which operations are expected to take place in Unit 10-1 on the contract area between March 1 and June 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, pile burning or any other activity with the potential to disturb nesting northern spotted owls may not be allowed during this time period.

Upon receipt of a notice that the Purchaser expects to perform such operations during this time period, the Government will conduct surveys to determine whether spotted owls are nesting within 0.25 miles of the harvest units. If it is determined that spotted owls are not nesting or that no young have been produced, the Authorized Officer may lift the seasonal restriction on such operations in writing. Without this written approval, such operations are prohibited from March 1 through June 30 of each year.

(E) Fire Prevention and Control

(1) F-1a Fire Prevention and Control. Primarily for purposes of fire prevention and control, the Purchaser shall comply with the following provisions:

(a). Prior to the operation of power driven equipment in construction or logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the State of Oregon, Department of Forestry.

(b). Provide and maintain in good repair, on the contract area, the following equipment for use during closed fire season or periods of fire danger:

i. F-2a Fire fighting tools shall be kept at each landing or at such other place as the Authorized Officer shall designate whenever people are working on the contract area. All fire fighting tools shall be kept in a sturdily constructed box which shall be painted red and lettered on the front or top in large letters, "For Fire Only."

The box shall have a hinged lid and a hasp by which the lid can be sealed. One box may serve two landings not over six hundred (600) feet apart. When filled, the box shall not weigh over two hundred (200) pounds. The fire tools shall be in good condition, be tight on strong handles, and have sharp cutting edges. There shall not be less than four (4) tools in each box nor less than one (1) tool for each person working on the contract area. Three-fourths ($\frac{3}{4}$) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.

ii. F-2b A round pointed size "0" or larger shovel in good condition shall be within fifty (50) feet of any power saw when in operation.

iii. F-2c At each landing during periods of operation one (1) tank truck. Each truck shall have three hundred (300) gallons minimum capacity with five hundred (500) feet minimum of hose and a nozzle acceptable to the Authorized Officer and a mounted or portable pump conforming to the standards set forth in Oregon Revised Statute ORS 477.645 through ORS 477.670 and any rule promulgated pursuant to those statutes. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.410 as amended or be provided with suitable adapters. At the close of each working day, all bulldozers and tank trucks shall be filled with fuel and made ready for immediate use.

All tank trucks and portable tanks shall be filled with water and made available for immediate use.

- iv. F-2d Serviceable radio or radio-telephone equipment able to provide prompt and reliable communication between the contract area, the Medford BLM District Office, Douglas Forest Protection Agency, and Oregon Department of Forestry. Such communication shall be available during periods of operation including the time watch-service is required.
- v. F-2e A pair of headlights capable of being quickly attached to each bulldozer used on the contract area. The headlights shall be adequate to provide illumination sufficient to allow use of the bulldozers for fire fighting and construction of fire trails at night.
- vi. F-2f A headlight for each person in the woods crew adequate to provide sufficient illumination for night fire fighting. A headlight shall be of the type that can be fastened to the head so as to allow independent use of the hands. It shall be equipped with a battery case so designed that it can be either carried in the hip pocket or fastened to the belt. The head of the light and the battery case shall be connected by insulated wires. At least one extra set of batteries shall be provided for each such headlight.
- vii. F-2g Two (2) back-pack pumps at each landing and one (1) at each tail block, all to be kept full of water and in good operating condition.
- viii. F-2h A chemical fire extinguisher of at least eight (8) ounces minimum capacity of a type approved by the Oregon State Forester shall be carried during the closed fire season or periods of fire danger by each saw operator using a power saw on the contract area. Such fire extinguisher shall be filled and in effective operating condition and shall at all times be immediately available to the operator when the saw is being fueled or the motor of the saw is running. A size "0" or larger shovel shall be available with each gas can when refueling. Any fueling of a power saw shall be done in an area which has first been cleared of all flammable material. Power saws shall be moved at least twenty (20) feet from the place of fueling before the engine is started. Each power saw shall be equipped with an exhaust system and a spark arresting device which are of types approved by the Oregon State Forester.

- ix. F-5 Where blocks and cables are used on the contract area during periods of fire danger, the Purchaser shall remove all flammable material at least ten (10) feet from the place where the tail or any other block will hang when the cable is tight. Such clearings shall be inspected periodically by the Purchaser and shall be kept free of flammable material.

(F) Slash Disposal and Site Preparation

- (1) SD-1 Fire Hazard Reduction. In addition to the requirements of Sec. 15 of this contract, and notwithstanding the Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following hazard reduction measure(s) required by this contract:

Prior to commencement of any operation under this Section F of the contract, a slash disposal and pre-work conference between the purchaser's representative and the Authorized Officer must be held at a location designated by the Authorized Officer. All slash disposal shall be done in accordance with the plans developed at this pre-work conference.

Slash, as defined for this section, shall mean all material (brush, limbs, tops, unmerchantable stems, and chunks) severed or knocked over as a result of purchasers operations under the terms of this contract.

- (a) SD-1a Lop and Scatter. Lop and scatter all slash in Units 10-1, 11-1, 13-1, 13-2, 13-5, 15-2, 25-8, 26-2, 35-4, 35-7B, and 35-12 concurrently with the normal felling operation. All top and side branches must be free of the central stem so that slash is reduced to the extent that it is within eighteen (18) inches of the ground at all points.
- (b) SD-1c Hand Piling. Hand pile and burn all slash located within fifty (50) feet of roads 33-7-13.5, 33-7-13.6, 33-7-13.7, 33-7-35, and 33-7-36 where the road coincides with a harvest unit boundary and hand pile and burn all slash located within twenty five (25) feet of roads 33-7-13.4 and 33-7-35.1 where the road coincides with a harvest unit boundary in accordance with the following specifications:
 - i. Piling shall be accomplished by hand. Finished piles shall be tight and free of earth.
 - ii. Pile all slash which is between one (1) inch and six (6) inches in

diameter on the large end and exceeds three (3) feet in length.

- ii. Piles shall be placed within unit boundaries, however, outside of roadways, turnouts, shoulders, or the cut bank. Finished piles shall be tight and free of earth.
- iii. A five (5) foot by five (5) foot cover of 4 mm black plastic shall cap each handpile to maintain a dry ignition point. The cover shall be firmly fixed to the pile to hold it in place. The ignition point will consist of fine fuel material such as needles, small limbs, and branches less than one half (½) inch in diameter and free of dirt. Piles shall be constructed by aligning individual pieces in the same direction and placing the heavier slash on top. Piles shall have a stable base to prevent toppling. The long axis of individual pieces shall be oriented up and down the slope. Protruding pieces shall be trimmed to allow covering in a manner that permits the pile to shed water. Height shall be no less than four (4) feet and no greater than six (6) feet; width shall not exceed six (6) feet; piles shall be circular and not windrowed. No pile shall be located in any stream channel; on down logs or stumps; within ten (10) feet of any other pile or the trunk of the nearest living reserve tree. No portion of the pile will be under the crown of any living tree.

(c) SD-1d Operations required by this provision shall be kept current with yarding as directed by the Authorized Officer and shall be conducted as follows:

- i. Units shall be piled and covered during the same season that they are logged.

(d) SD-1e LANDING SLASH Pile all slash situated in harvest unit landings and within twenty (20) feet of each finished pile. Slash shall be piled by machine or hand and piles shall be located in tractor skid trails, cable yarding corridor chutes, or on landings located away from reserve trees, snags, and coarse woody debris. Finished piles shall be tight and free of earth.

- i. A ten (10) foot by ten (10) foot cover of 4 mm black plastic shall cap each pile to maintain a dry ignition point. The cover shall be firmly fixed to each pile to hold it in place.

(2) SD-2 Notwithstanding the provisions of Sec. 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by

Purchaser's operations on Government lands, except for burning and mop-up assistance as required herein. In accordance with written instructions to be issued by the Authorized Officer at least ten (10) days in advance of earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or designated representative, assist in preparing piles in units for burning, mop-up, and patrol by furnishing, at the Purchaser's own expense, the services of personnel and equipment on each unit as shown below.

- (a) For igniting and burning piles in all harvest units, as shown on Exhibit S:
 - i. One (1) person to supervise crew(s) and equipment operators, and to serve as the Purchaser's representative.
 - ii. One (1) crew with ten (10) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
 - iii. One (1) tractor operator.
 - iv. One (1) tank truck driver.
 - v. One (1) tractor operator (Caterpillar D6 or equivalent) equipped with straight solid blade.
 - vi. One (1) tank truck. Each truck shall have one thousand (1,000) gallons or more capacity with one thousand (1,000) feet of hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each truck shall be equipped with a mounted pump conforming to the standards set forth in ORS 477.645 through ORS 477.670 and any rule promulgated pursuant to those statutes. Tank(s) shall be filled with water.
 - vii. Each tank truck shall have one thousand (1,000) feet of one and one-half (1½) inch hose and one thousand (1,000) feet of one (1) inch hose. Six (6) gated "Y" valves, six (6) one and one-half (1½) to one (1) inch reducers, and six (6) combination fog and stream nozzles. All hose fittings shall match the couplings on the required hose. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended.

- viii. Ten (10) drip torches, Forester Sealtite, or equivalent.
 - ix. All ignition operations will be supervised by a BLM representative.
- (b) Mop-up of all handpiles and landing piles in all harvest units as shown on Exhibit S.
- i. One (1) person to supervise crew(s) and equipment operators, and to serve as Purchaser's representative.
 - ii. One (1) crew with ten (10) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
 - iii. One (1) tractor operator.
 - iv. One (1) tank truck driver.
 - v. One (1) tractor (Caterpillar D6 or equivalent) equipped with straight solid blade.
 - vi. One (1) tank truck. Each truck shall have one thousand (1,000) gallons or more capacity with one thousand (1,000) feet of hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each truck shall be equipped with a mounted pump conforming to the standards set forth in ORS 477.645 through ORS 477.670 and any rule promulgated pursuant to those statutes. Tank(s) shall be filled with water.

Aircraft and pilots used for Logging Residue Reduction or the suppression of escaped fires from Logging Residue Reduction operations, shall be acquired from a list of aircraft and pilots approved (i.e., carded for these specific activities) by the Office of Aircraft Services or the U.S. Forest Service. This list is available from BLM District Offices upon request.

All listed personnel shall be physically fit, experienced, and fully capable of functioning as required. All personnel shall arrive at the project area(s) with the following personal safety equipment: long sleeve natural fabric shirt, full length natural fabric trousers, minimum eight (8) inch top leather boots, hardhat, and

leather gloves. All listed tools and equipment shall be in good usable condition. All power-driven equipment shall be fully fueled and available for immediate use. During periods of use under this subsection, the Purchaser shall provide fuel and maintenance for all such power-driven equipment.

Except as provided hereafter for fire escapement, the Purchaser shall continue the required assistance in mop-up on each unit to be burned as shown on Exhibit S as required in Section 41(H) for 450 work hours for each piled unit and piled landing as directed by the Authorized Officer within a ten (10)-day period beginning 8:00 a.m. the day following completion of ignition in that unit or until released from such services by the Authorized Officer, whichever occurs first.

In the event of a fire escapement, Purchaser's personnel and equipment shall, under supervision of the Authorized Officer or designated representative, take action to suppress, including control and mop-up, the escaped fire until released from such service by the Government. If it becomes necessary to suppress a fire which escapes from the prescribed fire area for a period beyond midnight of ignition day, then the Government shall, at its option: (1) reimburse Purchaser for such additional use of personnel and equipment at wage rates shown in the current Administratively Determined Pay Rates for Western Area and at equipment rates shown in the current Oregon-Washington Interagency Fire Fighting Equipment Rental Rates schedule, until the Purchaser is released from such service by the Government, or (2) release the Purchaser from additional suppression work and assume responsibility for suppressing the escaped fire.

In situations where an escaped fire is controlled and contained by an adequate fire break (i.e., trail, road, stream, rock formation, etc.), the Government may permit the Purchaser to remove personnel for that day; provided that, all mop-up work on the escaped fire area is included with mop-up work on the prescribed fire area. In such an event, the Purchaser must sign a statement of agreement to complete mop-up work on all escaped fire areas concurrently with mop-up work on the prescribed fire area.

In case of injury to personnel or damage to equipment furnished by the Purchaser as required by this subsection, liability shall be borne by the Purchaser, unless such injury or damage is caused by Government negligence.

Time is of the essence in complying with this provision. In the event the Purchaser fails to provide the personnel and equipment required herein, the Purchaser shall be responsible for all additional costs incurred by the Government in disposing of slash including but not limited to the wages and other costs of providing federal employees and others as substitute labor force, the cost of providing substitute equipment and appropriate additional overhead expenses. If

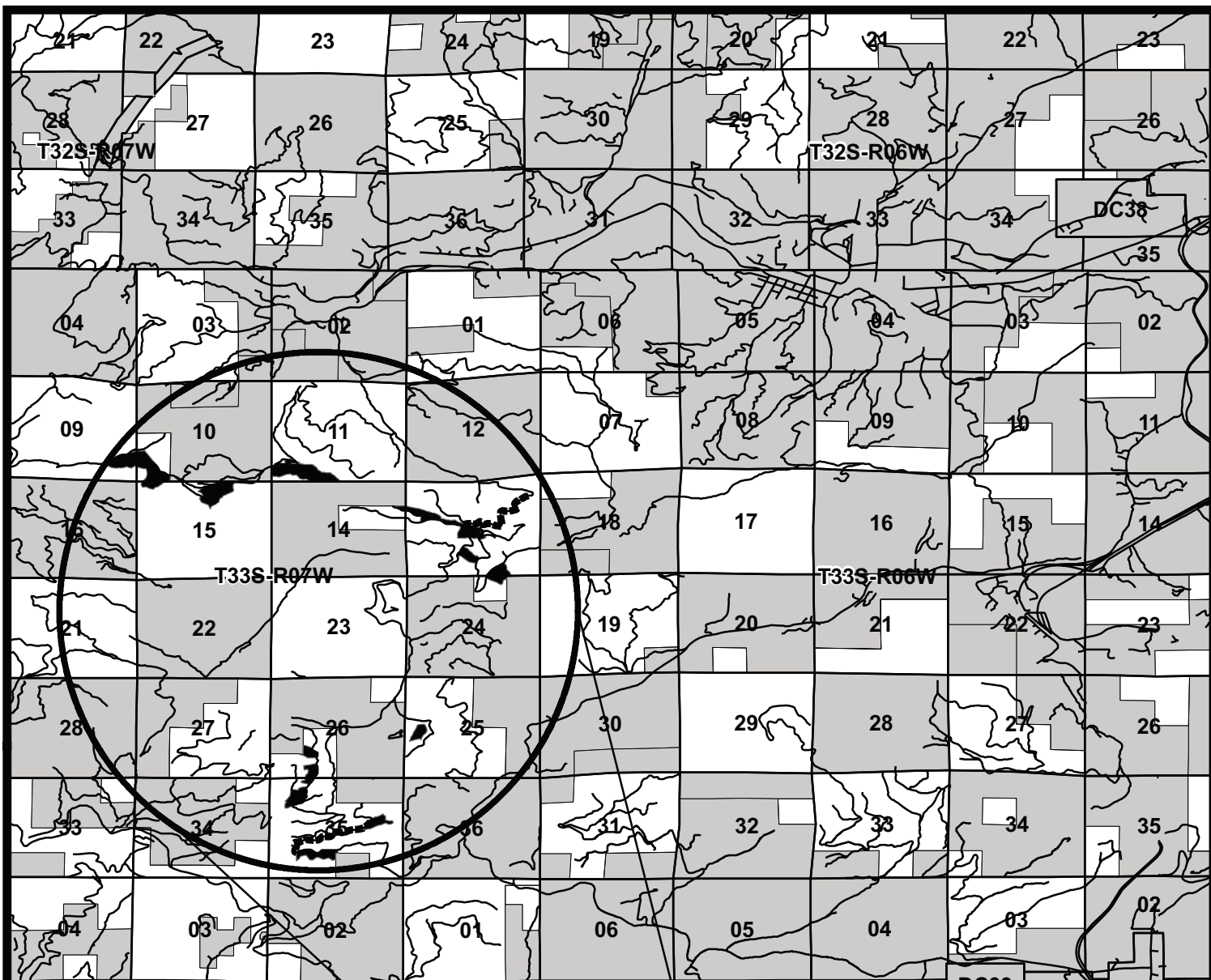
the Purchaser's failure results in deferral of burning and new conditions necessitate additional site preparation work and/or use of additional personnel and equipment to accomplish planned burning, the Purchaser also shall be responsible for such additional costs.

- (G) Equal Opportunity in Employment Certification of Non-segregated Facilities attached hereto and made a part hereof.

U.S.D.I BLM MEDFORD DISTRICT SALE NO. OR110-TS10-20
T.33 S., R.7W., SEC.9, 10, 11, 13, 14, 15, 24, 25, 26, 35, WILL. MER
WOLF PUP TIMBER SALE
JOSEPHINE, DOUGLAS COUNTY

WOLF PUP TIMBER SALE CONTRACT MAP

SALE LOCATION MAP



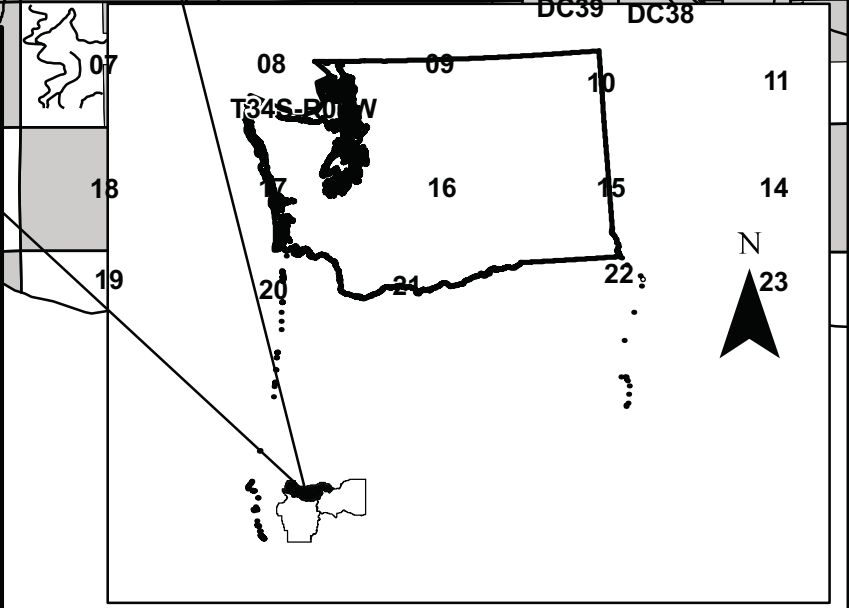
Legend

- Roads
- Township Range
- Wolf Units
- Wolf Pup Roadside
- Wolf Pup Timber Sale Area

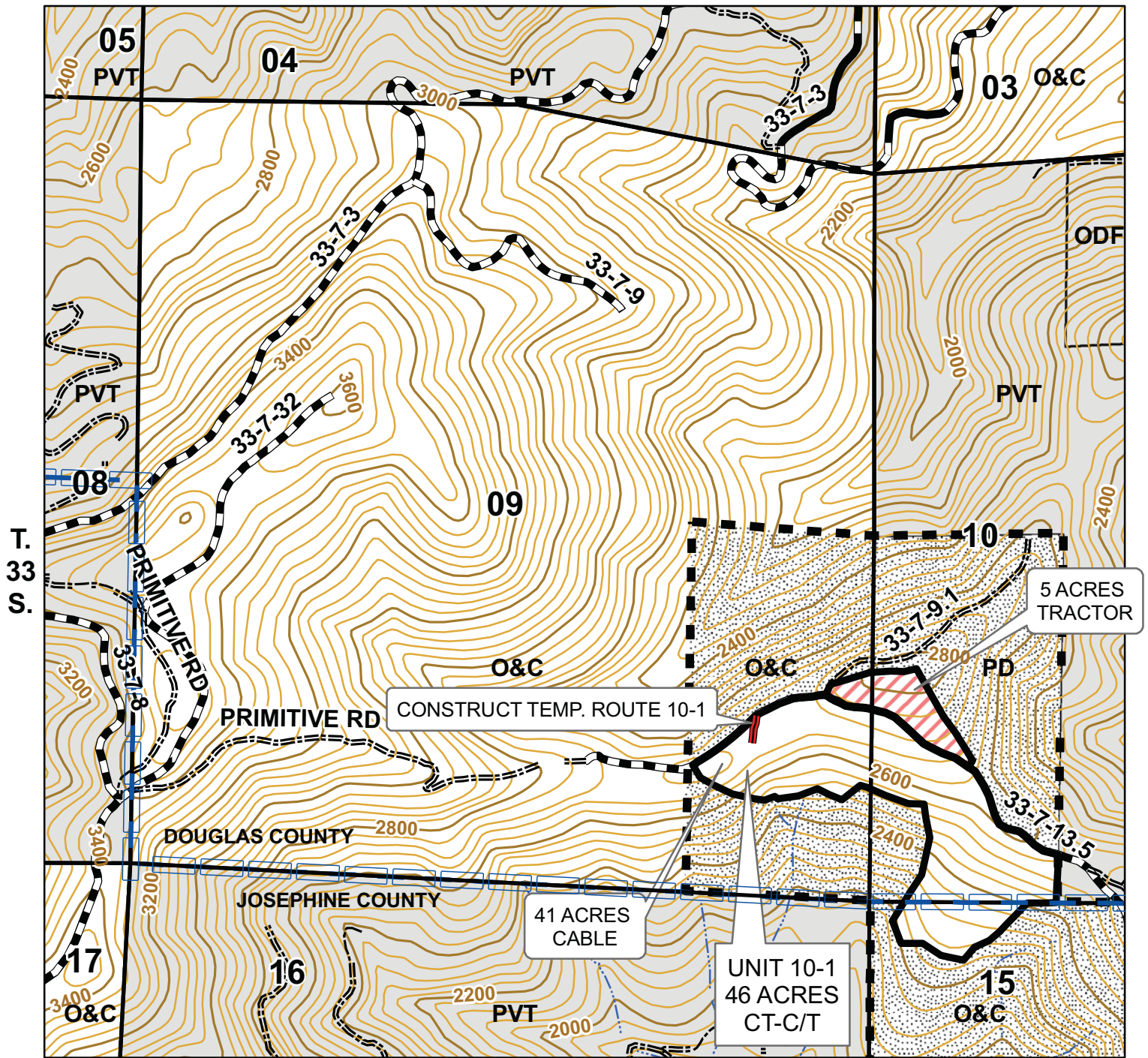
0 3,400 6,800 13,600 20,400 Feet

NATIONAL SYSTEM OF PUBLIC LANDS

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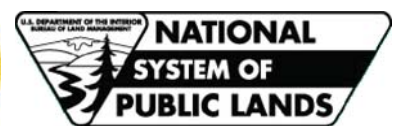
R.7 W.



40 FOOT CONTOUR INTERVAL

0 600 1,200 2,400 Feet

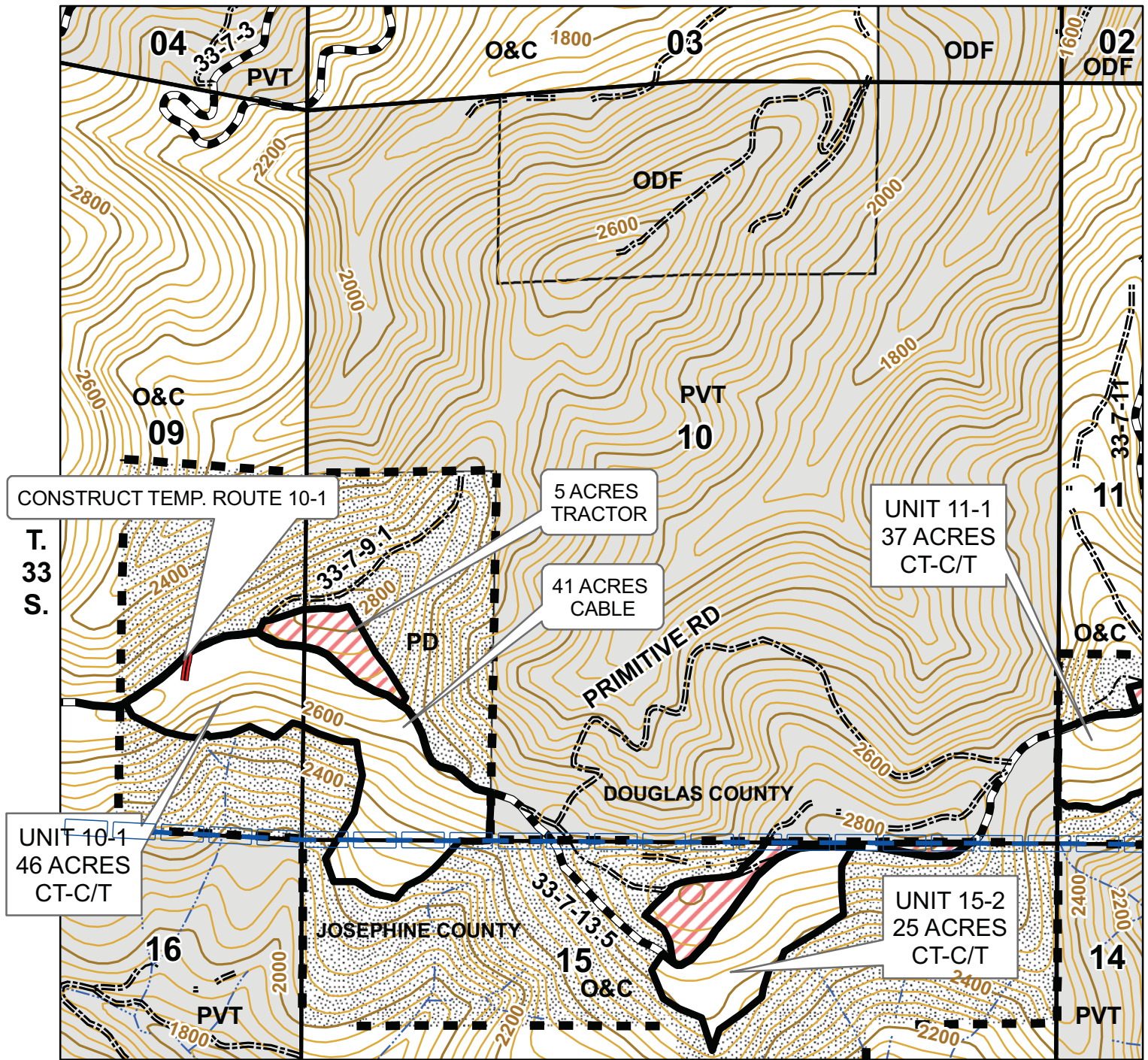
1 inch = 1,000 feet



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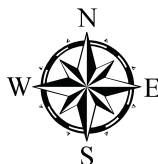
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40 FOOT CONTOUR INTERVAL

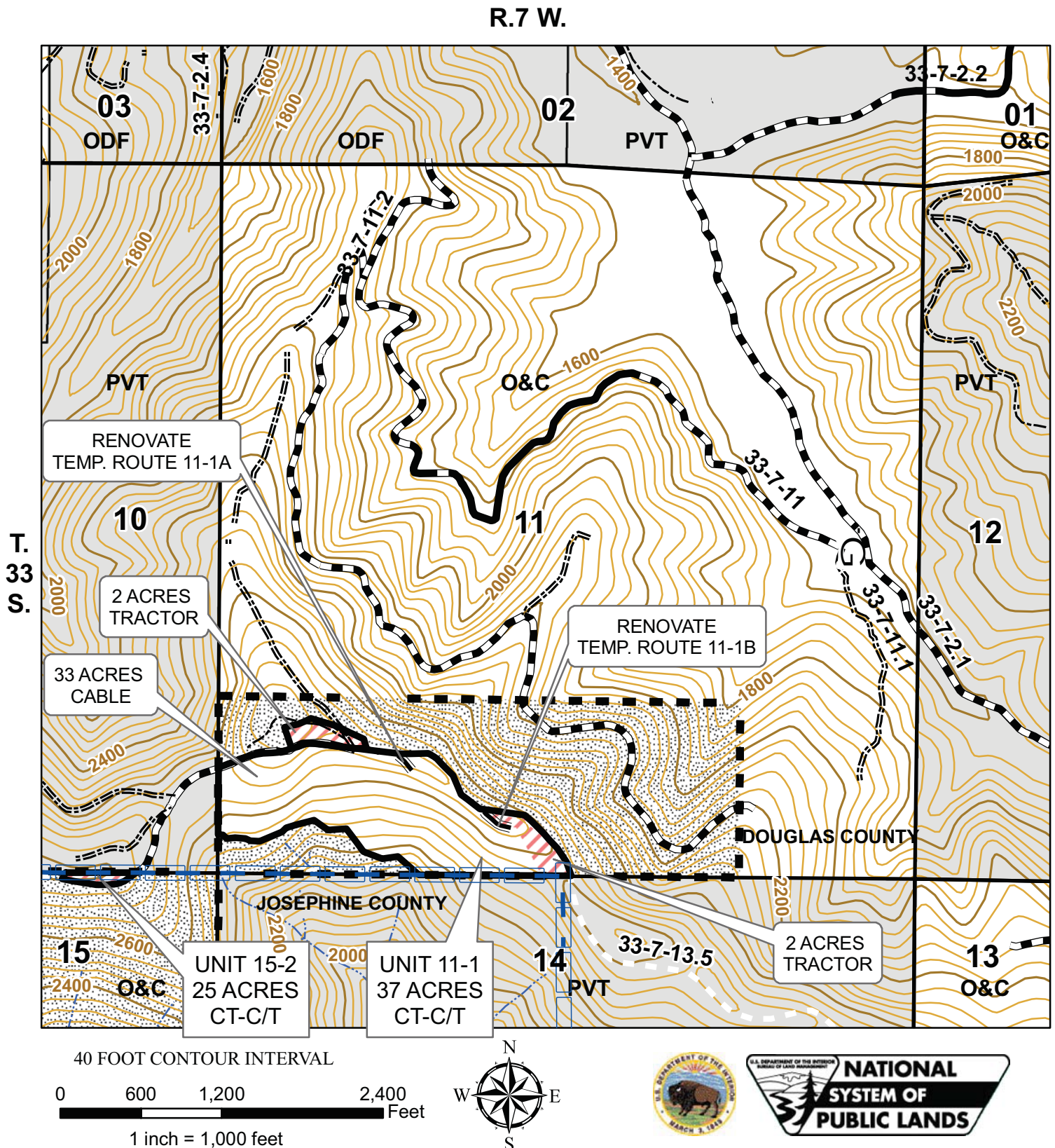
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1 inch = 1,000 feet



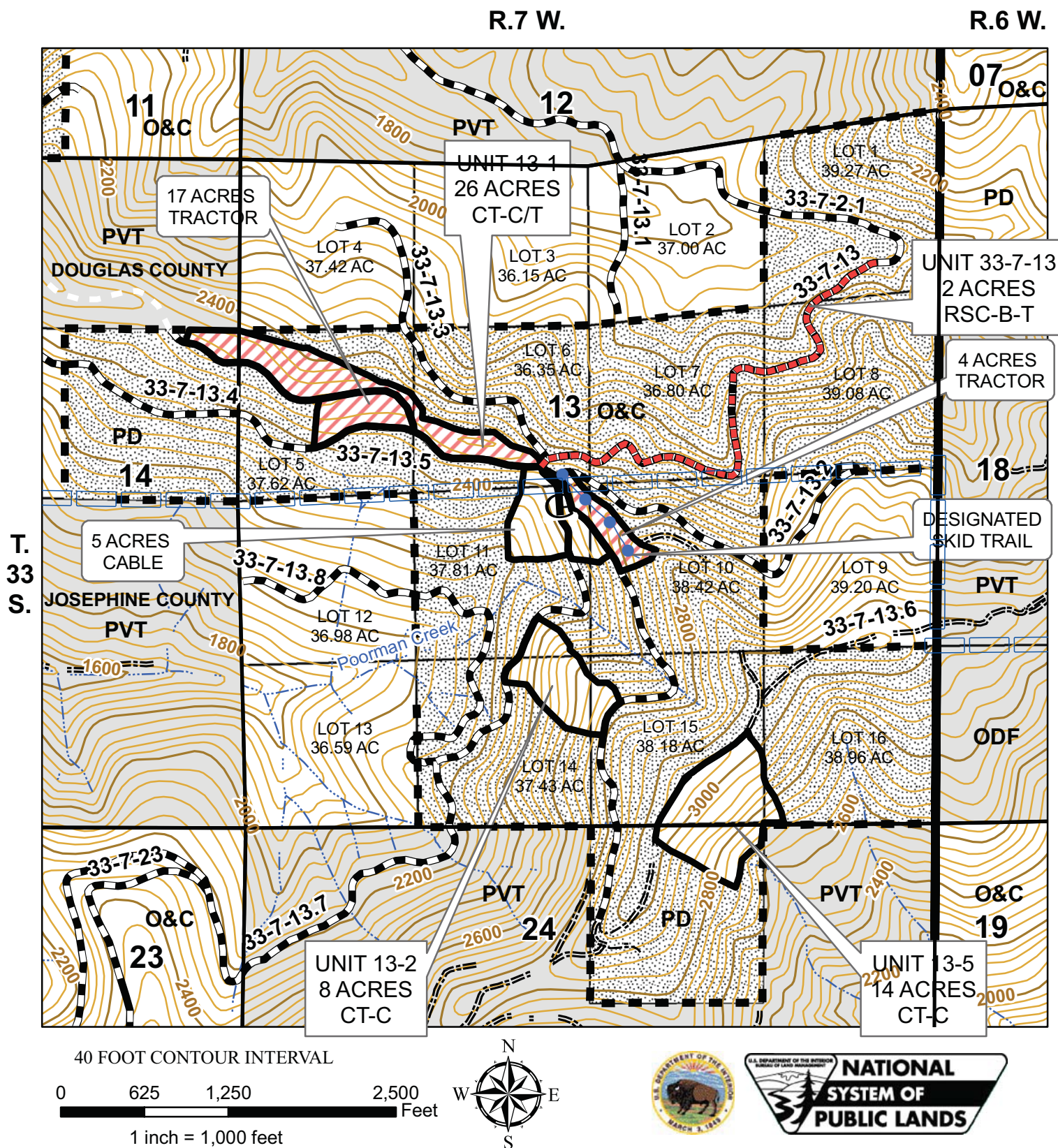
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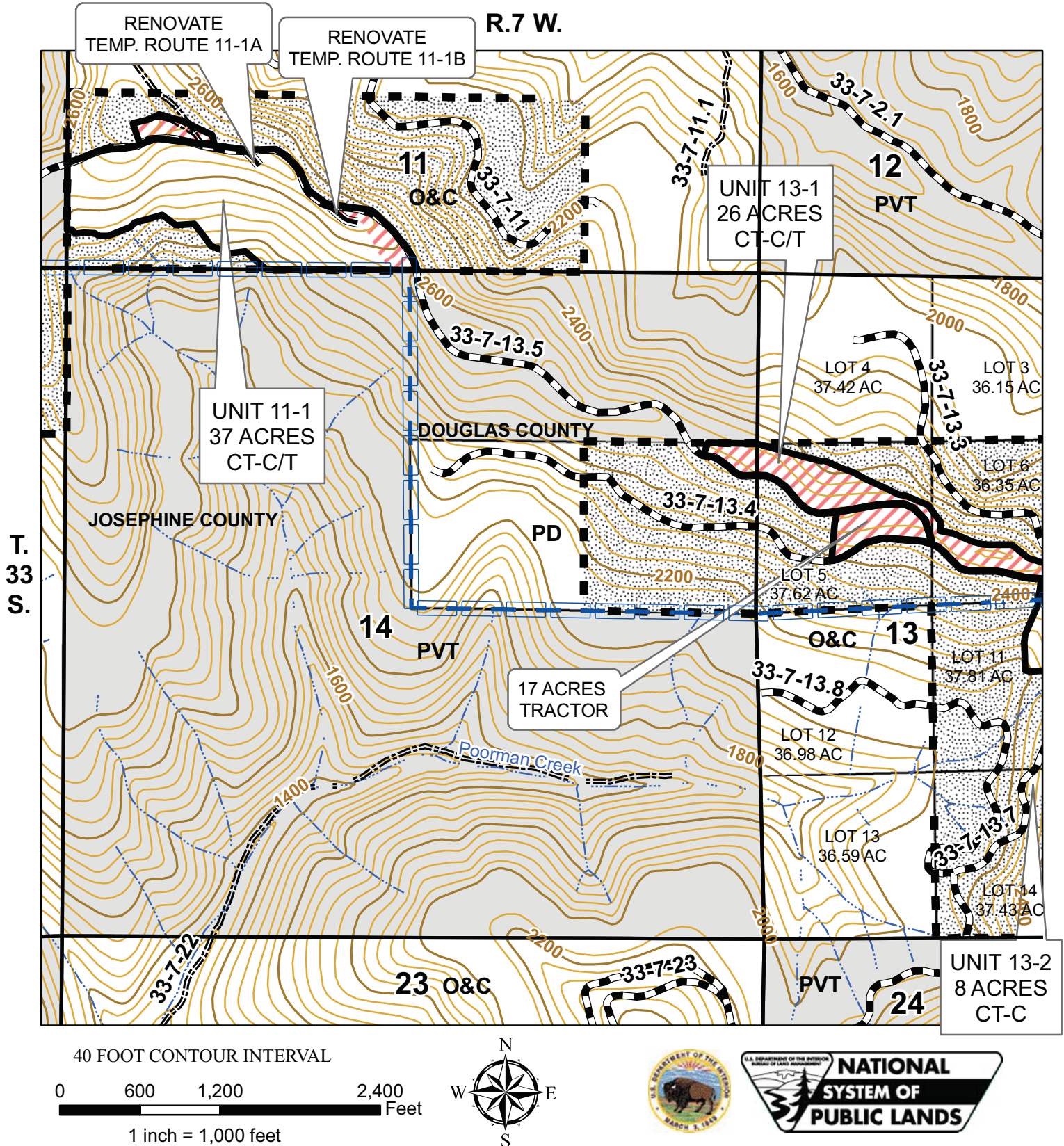
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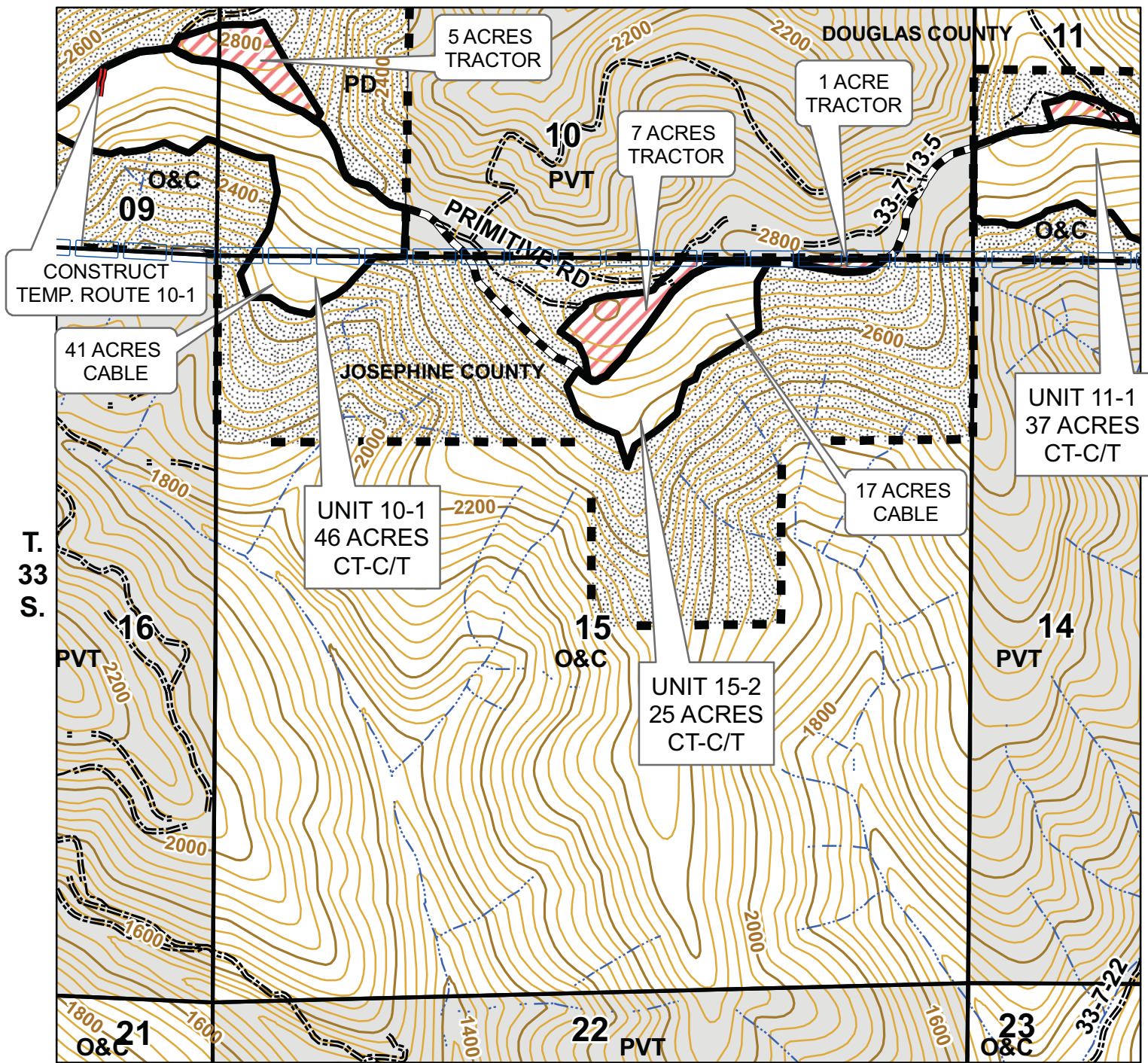


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40 FOOT CONTOUR INTERVAL

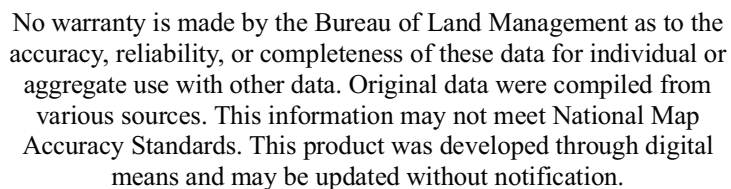
0 600 1,200 2,400 Feet

1 inch = 1,000 feet

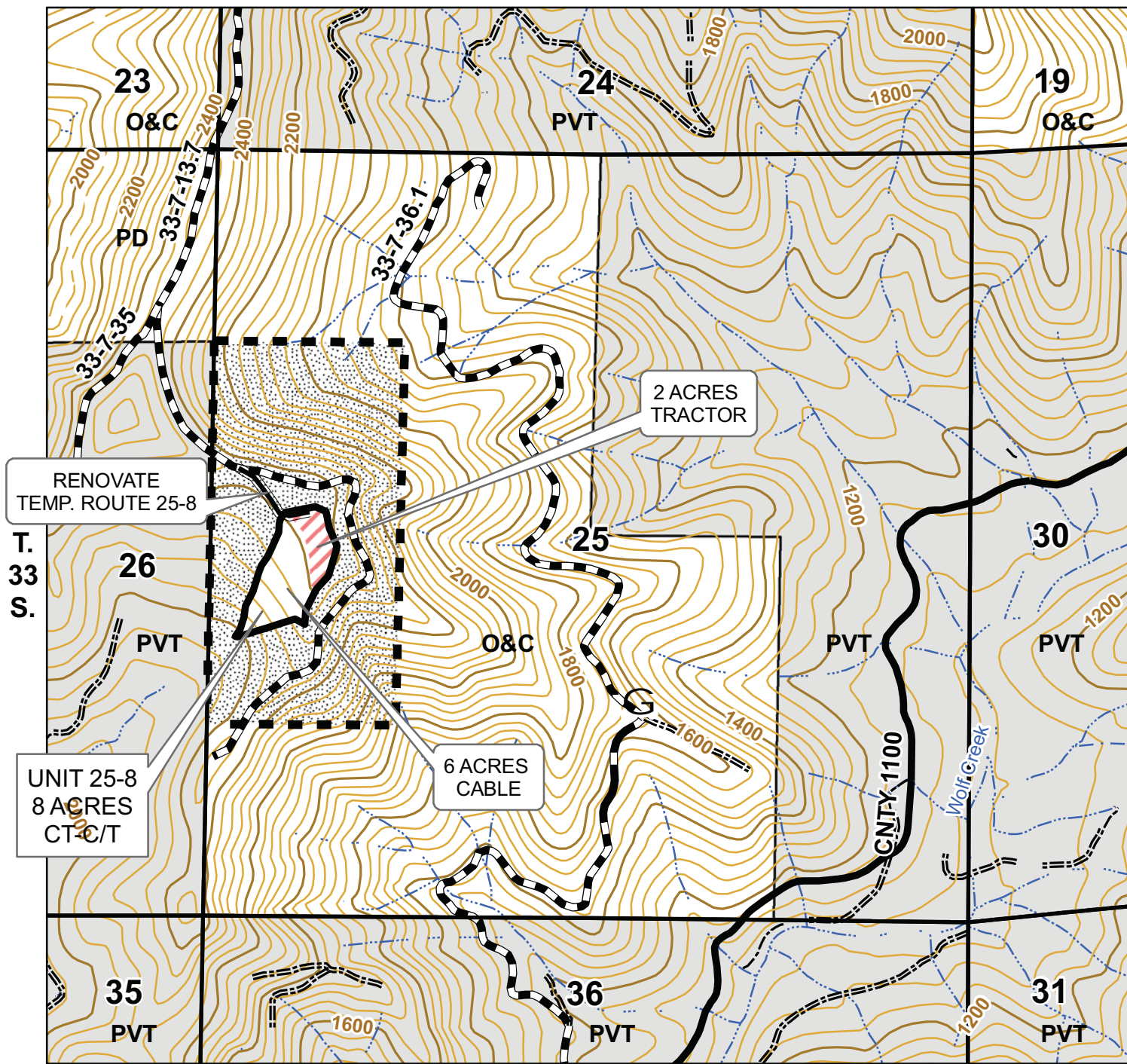


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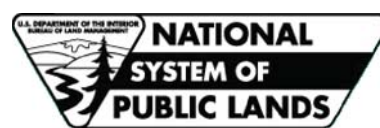
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40 FOOT CONTOUR INTERVAL

0 600 1,200 2,400 Feet

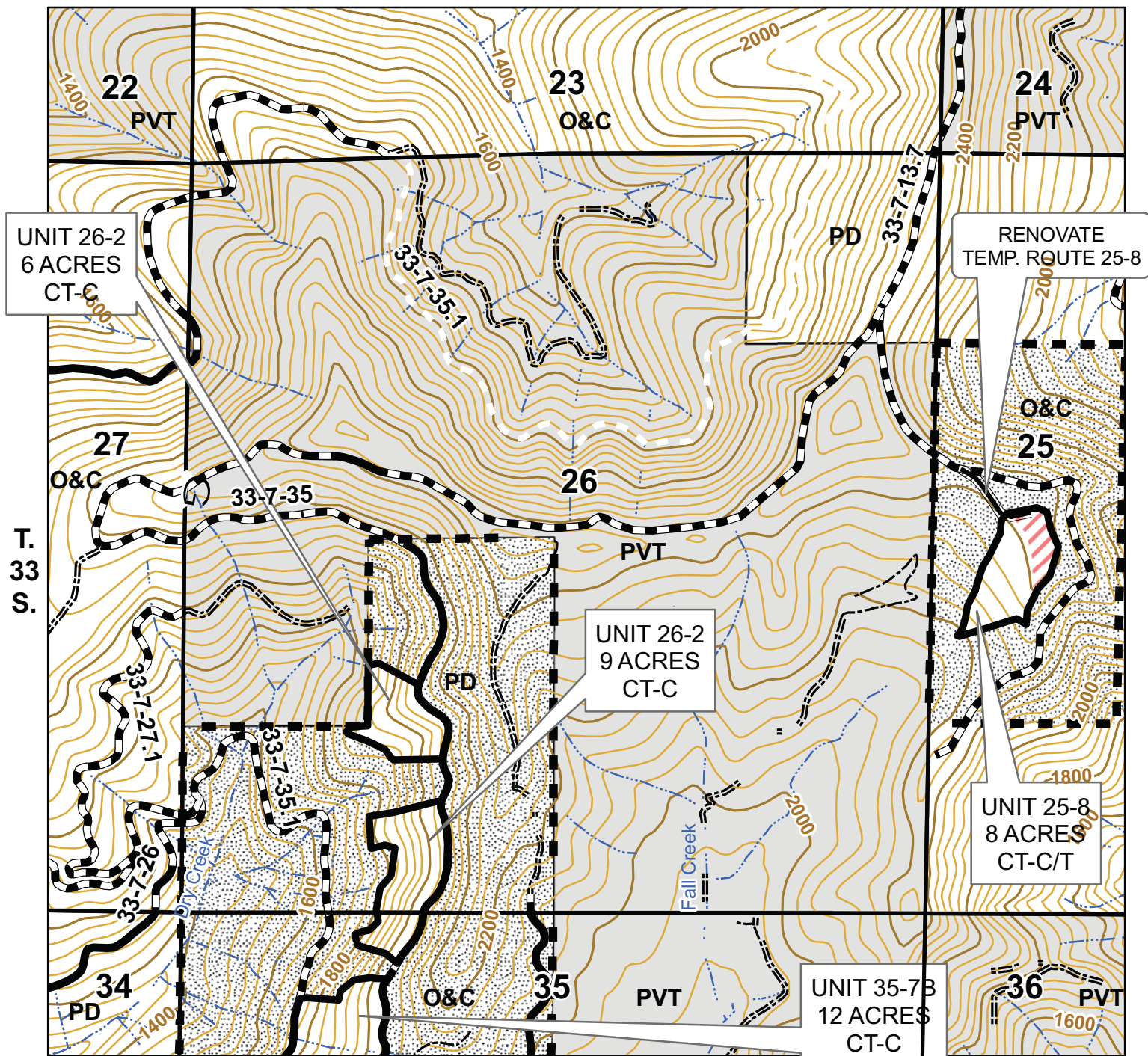
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40 FOOT CONTOUR INTERVAL

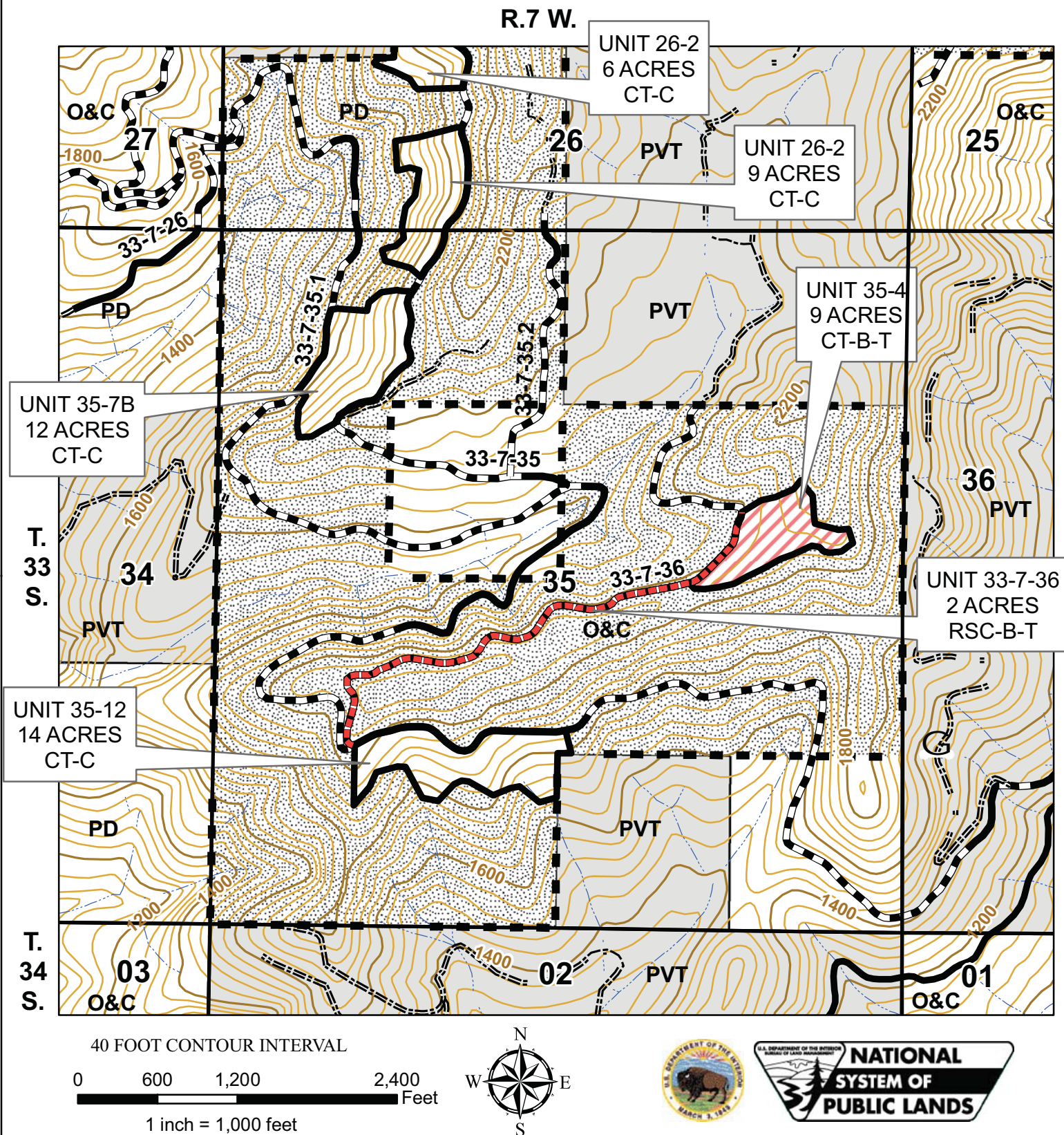
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Legend

Wolf Pup Timber Sale Unit



Cable



Tractor



Wolf Pup Roadside Clearing Unit



Temp Route Construction



Temp Route Renovation



Designated Skid Trail



Reserve Area



Contract Area Boundary

Road



Paved



Rocked



Natural Surface



Gate



Stream



Intermediate 40-ft contour



Index 200-ft contour



Township_Range



Section



County Line

Ownership



BLM



BLM O&C



BLM Public Domain



Non-Federal






Private



Oregon Department of Forestry

SUMMARY

CT-C	COMMERCIAL THIN - CABLE YARD (UNITS 13-2, 13-5)	22 ACRES
CT-C/T	COMMERCIAL THIN - CABLE YARD AND TRACTOR YARD (UNITS 10-1, 11-1, 13-1, 15-2, 25-8, 26-2, 35- 7B, 35-12)	183 ACRES
CT-B-T	COMMERCIAL THIN - BLUE MARK CUT TREE - TRACTOR YARD (UNIT 35-4)	9 ACRES
RSC-B-T	ROADSIDE CLEARING - BLUE MARK CUT TREE - TRACTOR YARD (UNITS 33-7-13, 33-7-36)	4 ACRES
	TOTAL TIMBER SALE UNIT AREA	218 ACRES
	RESERVE AREA	1361.92 ACRES
	TOTAL CONTRACT AREA	1579.92 ACRES

LEGEND

UNIT	ACRES	HARVEST TYPE	PAINT COLOR	LOGGING SYSTEM
10-1	46	CT	TBD	C/T
11-1	37	CT	TBD	C/T
13-1	26	CT	TBD	C/T
13-2	8	CT	TBD	C
13-5	14	CT	TBD	C
15-2	25	CT	TBD	C/T
25-8	8	CT	TBD	C/T
26-2	15	CT	TBD	C
35-4	9	CT	B	T
35-7B	12	CT	TBD	C
35-12	14	CT	TBD	C
33-7-13	2	RSC	B	T
33-7-36	2	RSC	B	T
TOTAL	218			

* ALL ACRES COMPUTED BY GPS TRAVERSE

* BOUNDARIES OF HARVEST UNITS ARE POSTED AND PAINTED IN ORANGE

CT = COMMERCIAL THIN

RSC = ROADSIDE CLEARING

B = BLUE PAINT (CUT TREE MARK)

TBD = PAINT COLOR USED BY PURCHASER TO MEET EXHIBIT E

MARKING GUIDELINES TO BE DETERMINED BY AUTHORIZED OFFICER

T = TRACTOR

C = CABLE

C/T = CABLE/TRACTOR

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT (BLM)**

Contract No.: OR 110-TS10-20
Sale Name: Wolf Pup
Issuing Office: Medford District

**EXHIBIT B
SCALE SALE**

PURCHASE PRICE SCHEDULE AND MEASUREMENT SPECIFICATIONS

I. **Total Actual Purchase Price** - In accordance with Section 3.(d). of the contract, the Purchaser agrees to pay the Government for the timber sold under the contract in accordance with the following schedule and measurement requirements. Timber sold is comprised of Merchantable Timber, Merchantable Timber Remaining, and Other Timber as defined below. In the event an Extension of Time is approved, the prices per measurement unit are subject to readjustment (refer to Section 9 of the contract).

Schedule of Species, Measurement Units, and Prices		
Species	Measurement Unit	Price Per Measurement Unit
Merchantable logs - Douglas-fir	MBF	
Utility logs	MBF	Not Applicable

II. **Merchantable Timber** - All timber which can be cut into logs, which equal or exceed the following specifications, shall be considered merchantable timber. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

Schedule of Minimum Material Specifications			
Species and Products	Length	Diameter (inside bark at small end)	Net Scale
All Species	8 feet	5 inches	33 1/3% of gross volume of any log segment or 10 bf.

III. **Merchantable Timber Remaining - Measurement Requirements** - The remaining volume of any merchantable sold timber on the contract area shall be determined as provided in Section 3.(e). of the contract. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

IV. **Scaling**

A. **Log Rule and Measurement** - All logs shall be scaled according to the Northwest Log Rules Eastside Log Scaling Handbook, as amended, or supplemented by BLM before the first advertisement date of the sale. A Scaling Authorization Form (OR 5300-18) must be completed prior to beginning of operations. If sample log scaling is agreeable to Purchaser and the Contracting Officer, the procedures will be agreed upon in writing regarding sample design, number of log sorts, expansion of sample volumes for computation of Merchantable Timber volume, etc.

B. **Scaling Service** - Log scaling services shall be provided and performed by BLM personnel or parties under contract to BLM.

1. All logs shall be scaled and volumes determined by BLM or a certified contract scaler.

2. The BLM scaler or contract scaler is designated to collect Eastside MBF scale data from all loads.

C. **Other Timber** - If any timber is of a species or size not listed in Section II of this Exhibit (above) or is of a quality different from merchantable timber described herein, the Authorized Officer shall establish volumes and values in accord with Standard BLM methods.

D. **Defect Caused by Abnormal Delay** - Scaling deductions made for rot, check or other defect resulting from abnormal delay in scaling caused by Purchaser shall be recorded separately and charged to the Purchaser in accordance with Section 3. of the contract.

E. **Log Presentation** - Purchaser shall present logs so that they may be scaled in an economical and safe manner in accordance with the Memorandum(s) of Agreement for Yard Scaling required in Section IV.G.5. of this Exhibit.

F. **Check Scale** - The Government will conduct check scales as set forth in the following section.

Normally a check scale includes at least 200 short logs (20 feet or less) or at least 100 multiple-segment logs. Sample the species and defect situation as fairly as possible. Individually analyze more complex scaling situations and increase the number of logs check scaled if necessary.

The following standards will be used to determine the proficiency of individual scalers.

Gross Scale. A variance of one percent in gross scale is the standard unless otherwise justified.

Net scale. The allowable variance is as follows:

Check scaler's percent defect in logs	Scalers allowable variance
0-10 percent	2 percent
over 10 percent	.2 x percent defect to a maximum of 5 percent

Determinations as to volume of timber made by a government check scaler in conformance with the standards as set forth herein shall be final. All loads check scaled by BLM will be identified with the check scaler's initials legibly marked or painted in the face of the first log in each load. When such checks show a variance in scale in excess of acceptable standards, in two or more consecutive check scales, an

adjustment to the volume reported as scaled will be made by BLM. Such adjustments will be made based on the difference between available BLM check scales and the original scale during the period covered by the unsatisfactory check scales. Unless otherwise approved in writing by the Authorized Officer, the volume to which this difference will be applied will be 50 percent of the volume scaled between the last satisfactory check and the first unsatisfactory check, 100 percent of the volume scaled during the unsatisfactory check, and 50 percent of the volume between the last unsatisfactory check scale and the next satisfactory check scale.

G. Accountability

1. Purchaser shall notify the Authorized Officer three (3) days prior to starting or stopping of hauling operations performed under the contract.
2. All logs will be painted and branded at the landing and accounted for in accordance with Sec. 41(A)(1) of the contract. Each truck driver shall obtain a load receipt and a BLM scaler receipt from the Log Truck Ticket Book issued by the Authorized Officer and comply with the instructions specified on the cover of said book. While products are in transit, the truck driver shall display the load receipt and BLM scaler receipt on the bunk or wing log at the front of the load on the driver's side. All logs on each load shall be delivered to the destination listed on the woods receipt. The BLM scaler receipt shall be surrendered at the location of BLM scaling, the unloading location, or as requested by BLM.
3. The Purchaser shall not haul logs from the contract area on weekends; Memorial Day, Fourth of July, Labor Day, Thanksgiving, Christmas, and New Year's holidays; or outside the hours of 4:00 a.m. to 8:00 p.m. daily, unless otherwise approved in writing by the Authorized Officer or designated in the Approved Logging Plan (Refer to Section 41 (B.10) of the contract).
4. The Purchaser shall furnish BLM a map showing the route which shall be used to haul logs from the timber sale area to the scaling location. Such route shall be the most direct haul route between the two points, unless another route is approved by BLM. The route of haul may be changed only with advance notice to and approval by BLM. The haul route map shall be attached to the Approved Logging Plan.
5. All loads will be scaled at scale locations listed on the Scaling Authorization (Form OR 5300-18) as approved by the Authorized Officer. The Purchaser shall ensure that all scale site owners listed on the Scaling Authorization enter into a Memorandum of Agreement for Yard Scaling before requesting BLM approval of the Scaling Authorization. Areas for scaling BLM logs will be designated on the ground and identified on the yard map as required in the Memorandum(s) of Agreement for Yard Scaling.
6. Any removal of logs from loaded trucks before being accounted for and/or scaled as required by the contract shall be considered

a willful trespass and render the Purchaser liable for damages under applicable law. Any payment made for purchase of such logs shall be deducted from amount due because of trespass.

H. Scaling Lost Products - The value of lost loads shall be equal to the highest value load for the month in which the lost load is hauled regardless of where the highest value load is scaled. If no loads have been scaled in that month, value will be determined from the closest month in which loads were scaled.

V. Estimated Volumes and Values - The following volume estimates and calculations of value of timber sold are made solely as an administrative aid for determining payment amounts, when payments are due, the value of timber subject to any special bonding provisions, and other purposes specified in various portions of the contract. The cutting areas are shown on Exhibit A of the contract.

A. Merchantable Timber Volume Removed from Contract Area - The total volume of removed timber shall be determined using the Government's records of scaled volumes of timber skidded or yarded monthly, or a shorter period if agreed to by the Purchaser and Government, to loading points or removed from the contract area.

B. Merchantable Timber Not Yet Removed from Contract Area - The value of merchantable timber which has not been removed will be determined by multiplying the value per acre as shown below times the amount of acreage subject to the purpose of the value determination, as determined by the Authorized Officer:

Total Estimated Purchase Price And/Or Schedule of Volumes and Values for Merchantable Timber Not Yet Removed from Contract Area					
Cutting Area		Total Estimated Volume (MBF)		Total Estimated Purchase Price	
Cutting Area Number	Approximate Number of Acres	Volume per Acre	Total Volume	Value per Acre	Total Value
10-1	46	14.7	678		
11-1	37	14.8	546		
13-1	26	14.8	384		
13-2	8	14.8	118		
13-5	14	14.8	207		
15-2	25	14.8	369		
25-8	8	7.2	58		
26-2	15	7.2	108		
35-12	14	7.2	101		
35-4	9	7.2	65		

35-7B	12	7.2	86		
33-7-13	2	2.5	5		
33-7-36	2	11	22		
Sale Total	218	12.6	2747		

OVERNIGHT LOAD CONTROL RECORD	
Log Delivery Location	
Timber Sale	
1	Time and Date Load Delivered
2	Sale Name
3	Load Receipt No.
4	Number of Logs
5	Signature of Person Receiving the Load
6	Date and Time Load Released

OVERNIGHT LOAD CONTROL RECORD	
Log Delivery Location	
Timber Sale	
1	Time and Date Load Delivered
2	Sale Name
3	Load Receipt No.
4	Number of Logs
5	Signature of Person Receiving the Load
6	Date and Time Load Released

7	Signature of Person Releasing the Load

Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)
2. Contractor or BLM scaler will fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner will be required to sign.
3. Unless otherwise agreed, scaler will attach this form to the Load Receipt.

7	Signature of Person Releasing the Load

Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)
2. Contractor or BLM scaler will fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner will be required to sign.
3. Unless otherwise agreed, scaler will attach this form to the Load Receipt.

MEMORANDUM OF AGREEMENT FOR YARD SCALING

DISTRICT: Medford AREA: Glendale

Scale Site Owner: _____

Scale Site Location: _____

Scale Site Authorized Representative/Phone #: _____

Purchaser: _____

Timber Sale Name: Wolf Pup

BLM Contract No.: OR110-TS10-20

BLM Authorized Officer(s) and Check Scaler(s)/Phone #s: _____

This Agreement covers the conditions necessary for an authorized yard scaling site. Unless otherwise agreed in writing by the Purchaser, Scale Site Owner, and the Bureau of Land Management (BLM), the following yard scaling requirements will be met and maintained. The BLM will periodically inspect the yard scaling facility for compliance. Approval of this Agreement does not automatically authorize scaling of BLM logs at this site. This Agreement, upon approval, will become part of the Approved Logging Plan as specified in Sec. 41 (B) (5) of the contract. This Agreement will be reviewed annually.

1. **Scaler's Office**

- a. Suitable office space for the scaler's exclusive use shall be provided by the Scale Site Owner immediately adjacent to the scaling site. The office shall be equipped with adequate lights, heat, and a desk.
- b. Sanitary facilities, such as a chemical toilet, shall be provided by Scale Site Owner. The facility shall be readily available to the designated scaling area.

2. **Safety**

- a. Sufficient yard space shall be provided to prevent crowded, unsafe working conditions in and around the scaling area. The face of cold decks, truck and machine traffic, adjacent to scaling area, shall be no closer than forty (40) feet.
- b. Scaling bays shall allow a minimum safety margin of ten (10) feet between log ends of adjacent scaling bays.
- c. Log stackers shall not work in scaling bays that are currently being scaled by the scaler or check scaler. Log stackers shall keep a safe distance from scaler(s) when operating in adjacent scaling bays.
- d. Safe and suitable all-weather parking adjacent to the scaling area shall be provided for scalers and check scalers use.

3. Log Accountability

- a. It is the intent, by all parties to this Agreement, that all loads will be scaled the same day as delivered. Nevertheless, at least two loads will remain in place in the designated scaling bays until replaced by other loads or until released by a BLM Authorized officer.
- b. Unscaled loads of BLM logs shall only be spread for scaling within a designated scaling area as agreed upon by the BLM Authorized Officer.
- c. Each load requiring scaling shall be identified by its respective Load Receipt until scaled and removed from the scaling bay. Logs arriving during off hours shall be left on the truck, in which case the truck must remain in the yard overnight. Alternatively, the logs may be off loaded to the designated area, and shall remain in place until released by the BLM scaler or contract scaler. The outermost logs of the load must be identified with painted arrows on the face of the logs pointing into the load, and a strip must be painted over the entire load from one end log to the other end log.
- d. In other than single load bays, the outermost logs of the load must be identified with painted arrows on the face of the logs pointing into the load, to eliminate the possibility of logs being credited to an adjacent load.
- e. There shall be no bucking of BLM logs in the log yard prior to scaling. Logs to be rebucked after scaling will be removed to a specified location away from the designated scaling area prior to bucking. The bucking area will be designated on the yard map.
- f. If remanufactured pieces are transported out of the yard to other destinations, the Scale Site Owner will register and use a BLM approved catch brand or the original brand on all remanufactured log ends, and apply yellow paint in accordance with the Timber Sale Contract.
- g. In the event a BLM load is unaccompanied by a Load Receipt, or unidentified by log brand, the scaler shall scale the load and retain the original and all copies of the scale ticket, and immediately notify the BLM Authorized Officer. The load shall remain in place.

4. Operations

- a. The Scale Site Owner has designated above a Scale Site Authorized Representative to receive notices in regard to performance under this Agreement and to take related action.
- b. The Scale Site Owner shall provide a diagram (yard map) that shows yard layout, traffic flows, location of cold decks, designated scaling bays, loading and unloading areas, scaler's office, bucking area, and the designated parking area for the BLM vehicle. The yard map shall be attached to this Agreement.
- c. Logs shall be unloaded by a mechanical stacker, and spread in the scaling bay in a manner allowing the scaler to see defect indicators and measure individual logs safely and accurately. Logs shall not be bunched or jack-strawed in the bays.
- d. There shall be no permanent decking of logs within designated scaling area so as to infringe upon required space for scaling. If logs are pushed (decked) to the rear of scaling bay(s), they shall be removed from bays before the next work day. Subsequent loads spread for scaling shall be placed a safe distance from the temporary deck.

e. Scaling under artificial lights will not be accepted.

f. BLM Authorized Officers and check scalers, whose duties include timber accountability and log export surveillance, are to be provided access to the yard to conduct inspections of the BLM timber at any time. Any visit to the yard scaling site by additional U.S. Government employees shall first be arranged through the Scale Site Authorized Representative.

g. Attempts to alter or influence a scaler's judgment and/or decision by persons other than the scaler's immediate supervisor may result in termination of this Agreement.

5. **Maintenance**

a. Scaling area shall be surfaced and treated with oil or water for the satisfactory control of dust and drainage for the control of mud.

b. Bark shall not be allowed to accumulate in the designated scaling area to the extent that accurate diameter measurement and/or scaler safety is jeopardized.

6. **Miscellaneous Clauses**

a. The BLM reserves the right to disapprove this yard scaling site at any time the above conditions are not being met. Loads shall then be scaled at other approved sites listed on the Scaling Authorization (Form OR 5300-18).

IN WITNESS WHEREOF, the parties hereto have signed this Agreement this _____ day of _____ 20____.

SCALE SITE OWNER: _____

BY: _____

TITLE: _____

TIMBER SALE PURCHASER: _____

BY: _____

TITLE: _____

BLM

BY: _____

TITLE: _____ Contracting Officer

USDI - BUREAU OF LAND MANAGEMENT - OSO

SCALING AUTHORIZATION

(Scaling - Contract Information)

(1) Original Registration ()

Amendment ()

Cancellation ()

(2) To: _____

(9) Date Submitted: _____

(BLM Contracted Scaler)

(3) From: Medford District-Glendale Resource Area

(10) Scale: East-side () Cubic ()

(4) Logger: _____

(11) _____

State Brand Registration #

(5) Begin Haul Date: _____

(6) Purchaser: _____

(12) _____

Contract Scaler Brand Code #

(7) Sale Name: Wolf Pup Timber Sale(8) Contract #: OR110-TS10-20(13) 9-16-10Yes () No ()

Sale Advertised Date

Yellow Paint

Scale Location and Estimated Loads Per Day

(15) Scale Location (Name)	# of Loads	Yard	Truck	Remote Check Scaling Location
1.				
2.				
3.				
4.				
5.				
6.				

(16) Minimum Product Specifications						(17) Use for Sample Sales Only		
Species	Length (Feet)	DIB Small End (Inches)	Net Scale % Gross Scale	Min. Net Scale Volume	(Yes)	CONTRACT SCALER Brand Code	Sample Group Code	Frequency
All Species	8	5	33 1/3	10 bd ft.		#	A	(1: 1
						#	B	(1:
						#	C	(1:
						#	D	(1:
						#	E	(1:

(18) Add-Back Volume - Deductions Due to Delay Yes () No ()	Remarks: <u>Always</u> when amending
<u>CONTRACT SCALER DATE RECEIVED STAMP</u>	

(19) _____

Purchaser

Date

BLM Representative

Date



United States of America
Department of the Interior
Bureau Of Land Management
Timber Sale Appraisal

District : Medford
Sale Name : Wolf Pup
Sale Date : 09/16/2010
Appraisal Method : 16' MBF

Contract # : TS-10-20
Job File # : M11260
Master Unit : Jackson
Planning Unit : Glendale

Contents

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Volume Summary	9
Stump to Truck Costs	12
Other Allowances Costs	13
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**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Timber - Sale - Summary**

Medford
Wolf Pup
TS-10-20

Legal Description

Forest Type	Township	Range	Section	Subdivision
O&C	33S	7W	9	E1/2SE1/4
PD	33S	7W	10	W1/2SW1/4
O&C	33S	7W	11	S1/2SW1/4, SW1/4SE1/4
O&C	33S	7W	13	Lot 1, 5, 6, 7, 8, 10, 11, 14, 15, 16
PD	33S	7W	14	SE1/4NE1/4
O&C	33S	7W	15	N1/2NE1/4, SW1/4NE1/4, N1/2NW1/4
PD	33S	7W	24	NW1/4NE1/4
O&C	33S	7W	25	SW1/4NW1/4, NW1/4SW1/4
PD	33S	7W	26	NE1/4SW1/4, S1/2SW1/4
O&C	33S	7W	35	S1/2NE1/4, N1/2NW1/4, SW1/4NW1/4, SW1/4, N1/2SE1/4

Cutting Volume (16' MBF)

Unit	DF								Total	Regen	Partial	ROW
10-1	678								678		46	
11-1	546								546		37	
13-1	384								384		26	
13-2	118								118		8	
13-5	207								207		14	
15-2	369								369		25	
25-8	58								58		8	
26-2	108								108		15	
35-12	101								101		14	
35-4	65								65		9	
35-7B	86								86		12	
33-7-13	5								5			2
33-7-36	22								22			2
Totals	2,747								2,747	0	214	4

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Wolf Pup
TS-10-20

Logging Costs per 16' MBF

Stump to Truck	\$	191.04
Transportation	\$	62.14
Road Construction	\$	15.85
Road Amortization	\$	0.00
Road Maintenance	\$	7.87

Other Allowances :

Fuels Treatment	\$5.59
Misc	\$3.12
Other Costs	\$4.42
Total Other Allowances :	\$ 13.12

Total Logging Costs per 16' MBF

\$ 290.02

Utilization Centers

Center #1 : Riddle	70 Miles
Center #1 : Riddle	74 Miles
Weighted distance to Utilization Centers	71

Length of Contract

Cutting and Removal Time	36 Months
Personal Property Removal Time	1 Months

Profit & Risk

Total Profit & Risk	8 %
Basic Profit & Risk	7 % + Additional Risk 1 %
Back Off	0 %

Tract Features

Avg Log	Douglas-fir : 68 bf	All : 68 bf
Recovery	Douglas-fir : 90 %	All : 90 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume (16' MBF per Acre)		13
Avg Yarding Slope		30 %
Avg Yarding Distance (feet)		250
Avg Age		120
Volume Cable		77 %
Volume Ground		23 %
Volume Aerial		0 %
Road Construction Stations		0.00
Road Improvement Stations		0.00
Road Renovation Stations		0.00
Road Decomission Stations		0.00

Cruise

Cruised By	Caulfield, Dowding,
Date	07/01/2010
Type of Cruise	PCMTRE, 100%
County, State	Josephine, OR

Net Volume

Green (16' MBF)	2747
Salvage (16' MBF)	0.00
Douglas-fir Peeler	0.00
Export Volume	0
Scaling Allowance (\$0.75 per 16' MBF)	\$2,060.25

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Stumpage Summary**

Medford
Wolf Pup
TS-10-20

Stumpage Computation (16' MBF)

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	12,619	2,747	411.61	32.93	290.02			88.70	243,658.90
Totals	12,619	2,747							\$ 243,658.90

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir			1.0	63.0	31.0	5.0

Marginal Log Volume

Species	Grade #7	Grade #8
Douglas-fir		

Appraised By : Dowding, Kent

Date : 07/19/2010

Area Approval By :

Date :

District Approval By :

Date :

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Wolf Pup
TS-10-20

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	12,619	2,747	2,242	4,755
Total	12,619	2,747	2,242	4,755

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
3,063	12,619	242	15.3	3,008	43,976	68

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
43,976	441	44,417	3	2,747	3,063	90 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
3,063	12,619	242	15.3	3,008	43,976	68

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
43,976	441	44,417	3	2,747	3,063	90 %

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
10-1		46		46
11-1		37		37
13-1		26		26
13-2		8		8
13-5		14		14
15-2		25		25
25-8		8		8
26-2		15		15
35-12		14		14
35-4		9		9
35-7B		12		12
33-7-13			2	2
33-7-36			2	2
Totals :		214	4	218

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Wolf Pup
TS-10-20

Exhibit B

The following estimates and calculations of timber sold are made solely as an administrative aid for determining: (1) Adjustments made or credits given in accordance with Sections 6, 9, or 11; (2) When payments are due; and (3) Value of timber subject to any special bonding provisions. The value of timber will be determined by multiplying the value per acre as shown below, times the amount of acreage as determined by the authorized officer, which has been cut or removed or designated for taking.

Except provided in Section 2, Purchaser shall be liable for the total purchase price even though the quantity of timber actually cut or removed or designated for taking is less than the estimated volume or quantity shown. Cutting areas are shown on the Exhibit A.

Sale Totals (16' MBF)

Species	Net Volume	Bid Price	Sale SubTotal
Douglas-fir	2,747		
Sale Totals	2,747		

Unit Details (16' MB)

Unit 10-1 **46 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	678		
Unit Totals	678		

Unit 11-1 **37 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	546		
Unit Totals	546		

Unit 13-1 **26 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	384		
Unit Totals	384		

Unit 13-2 **8 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	118		
Unit Totals	118		

**UNITED STATES
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BUREAU OF LAND MANAGEMENT**

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TS-10-20

Unit 13-5 14 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	207		
Unit Totals	207		

Unit 15-2 25 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	369		
Unit Totals	369		

Unit 25-8 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	58		
Unit Totals	58		

Unit 26-2 15 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	108		
Unit Totals	108		

Unit 33-7-13 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	5		
Unit Totals	5		

Unit 33-7-36 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	22		
Unit Totals	22		

Unit 35-12 14 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	101		
Unit Totals	101		

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Wolf Pup
TS-10-20

Unit 35-4 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	65		
Unit Totals	65		

Unit 35-7B 12 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	86		
Unit Totals	86		

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Volume Summary**

Medford
Wolf Pup
TS-10-20

Sale Volume Totals

218 Acres

0 Regen

214 Partial

4 R/W

13 Units

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Net	16' MBF GM	16' MBF Gross	32' MBF Net	32' MBF GM	32' MBF Gross	CCF Net	CCF GM	CCF Gross
Douglas-fir	12,619	43,976	441	2,747	3,008	3,063	2,242	2,454	2,499	4,755	5,202	5,291
Totals	12,619	43,976	441	2,747	3,008	3,063	2,242	2,454	2,499	4,755	5,202	5,291

Unit Totals

Unit : 10-1

46 Acres

0 Regen

46 Partial

0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	2,592	9,789	124	761	745	678
Unit Totals	2,592	9,789	124	761	745	678

Unit : 11-1

37 Acres

0 Regen

37 Partial

0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	2,085	7,874	100	612	599	546
Unit Totals	2,085	7,874	100	612	599	546

Unit : 13-1

26 Acres

0 Regen

26 Partial

0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,465	5,533	70	430	421	384
Unit Totals	1,465	5,533	70	430	421	384

Unit : 13-2

8 Acres

0 Regen

8 Partial

0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	451	1,702	22	132	130	118
Unit Totals	451	1,702	22	132	130	118

Unit : 13-5

14 Acres

0 Regen

14 Partial

0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	789	2,979	38	232	227	207
Unit Totals	789	2,979	38	232	227	207

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Wolf Pup
TS-10-20

Unit : 15-2 25 Acres 0 Regen 25 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,409	5,320	67	414	405	369
Unit Totals	1,409	5,320	67	414	405	369

Unit : 25-8 8 Acres 0 Regen 8 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	491	1,394		62	62	58
Unit Totals	491	1,394		62	62	58

Unit : 26-2 15 Acres 0 Regen 15 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	921	2,614		117	117	108
Unit Totals	921	2,614		117	117	108

Unit : 35-12 14 Acres 0 Regen 14 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	859	2,440		109	109	101
Unit Totals	859	2,440		109	109	101

Unit : 35-4 9 Acres 0 Regen 9 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	553	1,568		70	70	65
Unit Totals	553	1,568		70	70	65

Unit : 35-7B 12 Acres 0 Regen 12 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	737	2,091		94	94	86
Unit Totals	737	2,091		94	94	86

Unit : 33-7-13 2 Acres 0 Regen 0 Partial 2 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	96	204		6	6	5
Unit Totals	96	204		6	6	5

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Wolf Pup
TS-10-20

Unit : 33-7-36 2 Acres 0 Regen 0 Partial 2 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	171	468	20	24	23	22
Unit Totals	171	468	20	24	23	22

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Stump to Truck Costs**

Medford
Wolf Pup
TS-10-20

Total (16' MBF)

Total Stump to Truck Costs	Net Volume	Cost / Net Volume
\$524,775.70	2,747	\$191.04

Detail

Yarding & Loading

Yarding System	Unit Of Measure	Units	Cost / Unit	Total Cost
Med Twr=40-70	MBF	2,006	\$179.43	\$359,936.58
Short Twr<40	MBF	320	\$255.22	\$81,670.40
Track Skidder	MBF	589	\$108.47	\$63,888.83
Track Skidder	MBF	93	\$135.59	\$12,609.87
Subtotal				\$518,105.68

Other Costs

Explanation	Unit Of Measure	Units	Cost / Unit	Total Cost
Directional Falling	Hour	138	\$35.29	\$4,870.02
Subtotal				\$4,870.02

Additional Move-Ins

Equipment	# Move-In	Cost / Move In	Total Cost
Yarder / Loader	3	\$450.00	\$1,350.00
Dozer	1	\$450.00	\$450.00
Subtotal			\$1,800.00

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Wolf Pup
TS-10-20

Other Allowances Costs

Total (16' MBF)

Total Other Allowances Costs	Net Volume	Cost / Net Volume *	Total Buy Out Cost
\$36,054.00	2,747	\$13.12	\$0.00

Fuels Treatment

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Lop and Scatter-Lvl 1	5,310.00	1.93	N	0.00
Hand Pile, Cvr - Level 1	9,600.00	3.49	N	0.00
Hand Pile Brn-Level 3	440.00	0.16	N	0.00
Subtotal	15,350.00	5.59		0.00

Misc

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Marking	8,560.00	3.12		0.00
Subtotal	8,560.00	3.12		0.00

Other Costs

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Ripping	300.00	0.11	N	0.00
Waterbar Skids	1,200.00	0.44	N	0.00
Hand Seeding @ 17 lb seed per hour	498.00	0.18	N	0.00
Mulching (2 hours/5 bales)	312.00	0.11	N	0.00
Skid Construction	750.00	0.27	N	0.00
Landing Construction	3,000.00	1.09	N	0.00
Landing Clean up	3,000.00	1.09	N	0.00
Stream and Culvert Cleaning	256.00	0.09	N	0.00
Barricades	1,200.00	0.44	N	0.00
Temporary Spur Construction	900.00	0.33	N	0.00
Equipment Washing	128.00	0.05	N	0.00
Additional Tractor Time	600.00	0.22	N	0.00
Subtotal	12,144.00	4.42		0.00

* Cost / Net Volume has been rounded to the nearest \$0.01 Subtotals may not tie to Sale Total Cost / Net Volume.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Consolidated Comments**

Medford
Wolf Pup
TS-10-20

General

19 I. Cedar and 1 P. Pine trees were included in the DF count on rd 33-7-13.
12 P. Pine trees were included in the DF count on rd 33-7-36.

Yarding & Loading

Road Costs

(see Engineering Appraisal for details).

Transportation

(see Transportation appendix for details).

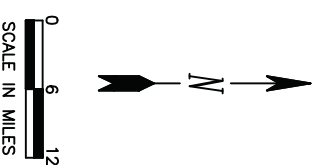
Other Allowances

Marking includes cost of labor and paint.
Burning landing piles is labled Hand Pile Brn-Level 3.

Prospectus

EXHIBIT C 1
SHEET 1 OF 1

EXHIBIT C 1
SHEET 1 OF 1



ALWAYS
THINK
SAFETY

TITLE SHEET

EXHIBIT C --3--
SHEET 1 OF 1

ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		CORRUGATED METAL PIPE										RENOVATION	WATERDIPS	WATERBARS	AGGREGATE ***				SOIL STABILIZATION	ROADSIDE BRUSHING & CHIPPING	ROADSIDE Daylighting	ROADSIDE BRUSHING	ROAD BARRICADE
					ROCK	COMMON	SIZE				ELBOWS	DOWNSPOUT		PIT RUN	CRUSHED BASE	CRUSHED BASE				Surface Course								
							18"	24"	30"	36"		18" FULL ROUND	24"								700	900	1000					
SPECIFICATION NO. —————→				200	300	300	400	400	400	400	400	400	400	500			700	900	1000	1200	1800	2100						
UNIT————→	MP	MP	MILE	ACRE	C.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	EA.	L.F.	L.F.	MILE	EA.	C.Y.	C.Y.	C.Y.	C.Y.	ACRE	MILE							
33-7-2.1	0.00	2.57	2.57											2.57						0.1	2.57							
33-7-13.0	0.00	0.90	0.90											0.90						0.1	0.15	0.75						
33-7-13.4	0.00	0.47	0.47											0.47						0.1			0.47					
33-7-13.5	0.00	3.40	3.40											3.40						0.1	3.40							
33-7-13.6 A	0.00	0.89	0.89											0.19						0.1	0.19							
33-7-13.6 B	0.89	1.44	0.55											0.55						0.1	0.55							
33-7-13.7	0.00	3.20	3.20											3.20						0.1			1.50					
33-7-35	0.00	1.95	1.95											1.95						30	0.1	1.95						
33-7-36A/B	0.00	1.70	1.70											1.70						0.05	1.70							
33-7-36 C	1.70	2.47	0.77			40								0.77					20	0.05		0.77						
TOTALS			16.40			40								15.70					50	0.9	10.51	1.52	1.97					

ITEM 1200

SIZE GRADE
1 1/2inch C,C-1
1 inch D, D-1,F
3/4inch E,E-1

ALWAYS
THINK
SAFETY

ESTIMATE OF
QUANTITIES **

REV. NO. DESCRIPTION DATE APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT MEDFORD, OREGON

**FOR INFORMATIONAL USE ONLY,
QUANTITIES SHOWN ARE NOT PAY ITEMS.

***Indicate gradation in circle.O

DESIGNED _____
REVIEWED _____
APPROVED _____
DRAWN DL SCALE NONE
DATE 07-10 SHEET 1 OF 1
DRAWING NO. OR-11-91134-2

NOTES

7-21	odd	1 ft.
22-35	odd	2 ft.
36-48	odd	3 ft.
49-64	odd	4 ft.
65-96	odd	5 ft.

- A. Pit run rock
- B. Grid rolled rock material
- C. Screened rock material
- D. Crushed rock material
- E. Natural Surface

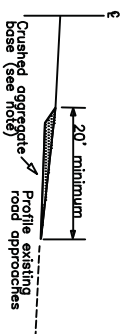
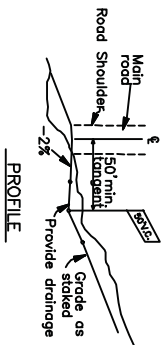
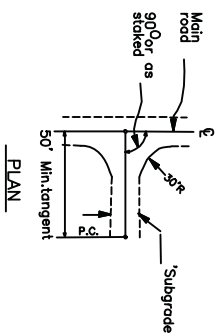
See subsection 2100

**ALWAYS
THINK
SAFETY**

REMARKS

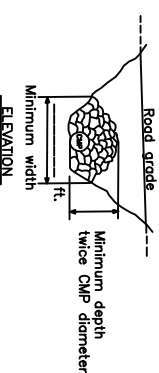
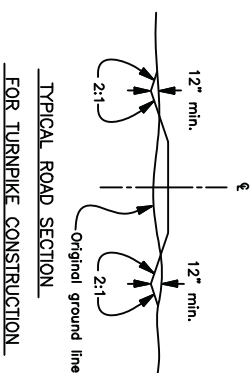
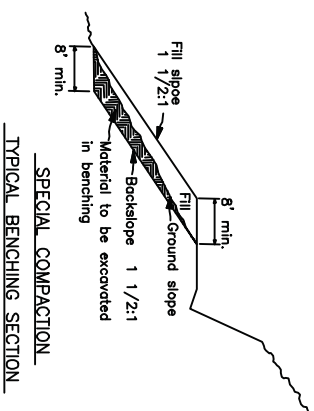
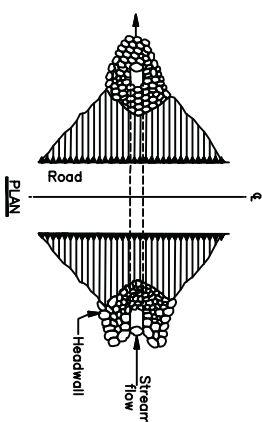
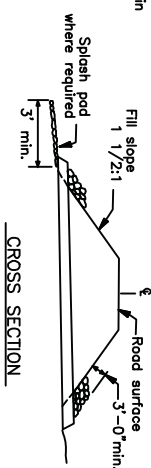
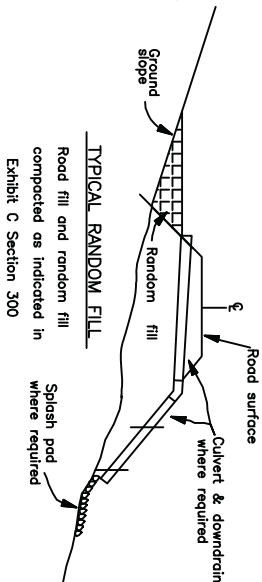
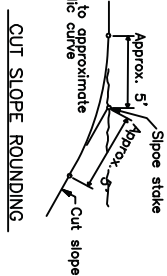
REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT — MEDFORD, OREGON			
<i>SPECIFICATION SHEET</i>			
DESIGNED	_____		
REVIEWED	_____		
APPROVED	_____		
DRAWN	DL	SCALE	NONE
DATE	06-09	SHEET	1 OF 1
DRAWING NO.	OR-111-9113.4-3		

TYPICAL ROAD APPROACHES



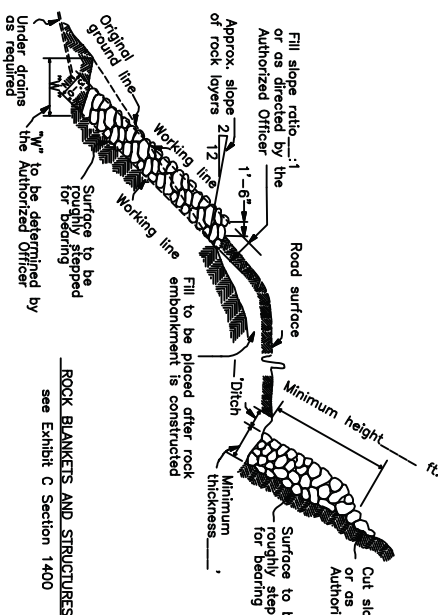
NOTES:

1. The profile of the existing approach roads shall be tapered to meet the shoulder line of the main roadway and shall receive the same wearing surface.
2. The crushed aggregate base shall be of the same gradation as used in the adjacent roadbed.
3. Approaches shall be finished with the same treatment as shown for the adjacent roadbed.

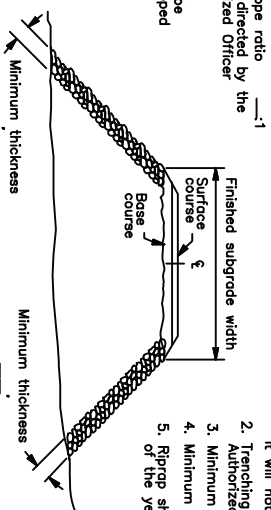


NOTES: RIPRAP AT CULVERTS

1. Riprap shall be placed in such a manner that it will not damage the culvert.
2. Trenching will be done as required by the Authorized Officer.
3. Minimum depth of splash pads shall be 1 ft.
4. Minimum quantity shall be 1 CY per CMP.
5. Riprap shall be placed before October first of the year the CMP is installed.



see Exhibit C Section 1400

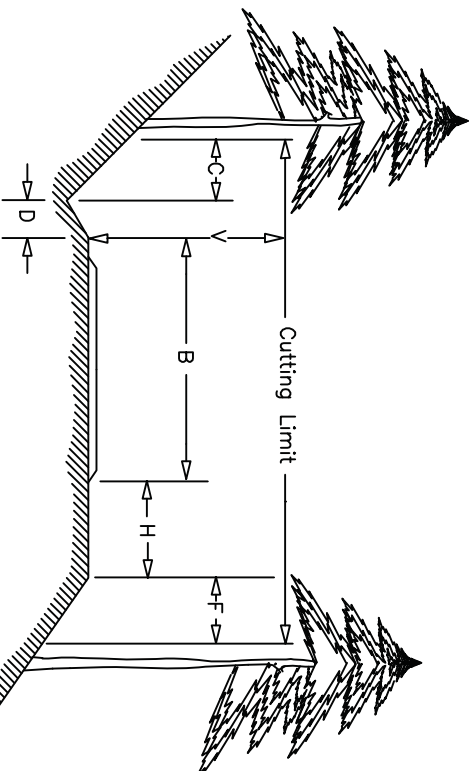


see Exhibit C Section 1400

ALWAYS
THINK
SAFETY

REVISION	DESCRIPTION	DATE	APPROVED
1	DESIGNED		
2	REVIEWED		
3	APPROVED		
4	DRAWN	DL	SCALE NONE
5	DATE	07-10	SHEET 1 OF 1
6	DRAWING NO.	OR-11-9113.4-4	

EXHIBIT C 6
SHEET 1 OF 1



Brushing Diagram

Cutting Limit = $C + D + B + H + F$

B = Basic Traveled Way (includes turnouts)
Width shall be determined by the PI

C = 4 ft - Distance to be brushed on cut slope
beyond centerline of ditch

D = Centerline of ditch to inside shoulder

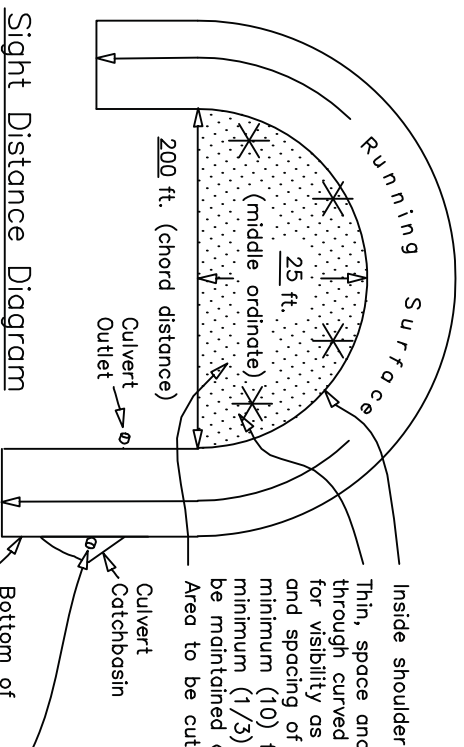
H = Variable distance between edge of traveled way and
outside shoulder (does not include turnout widths)

F = Distance to be brushed on fill slope beyond outside shoulder
(F = 4 when H is 4 ft or less)
(F = 0 when H is greater than 4 ft)

V = 14 ft - Height of vertical cutting limit

Typical Basic Traveled Way widths

One lane low traffic volume 12 to 16 ft
One lane medium traffic volume . . . 16 to 20 ft
Two lane high volume traffic 20 to 40 ft
Turnouts 10 ft



Sight Distance Diagram

Thin, space and prune trees through curved sections of road for visibility as shown. Thinning and spacing of trees shall be a minimum (10) feet apart. A minimum (1/3) tree crown shall be maintained on any pruned tree.

Area to be cut

Culvert

Catchbasin

Bottom of Ditch

Clear 4 ft radius around all culvert inlets and outlets.

All distances shown are horizontal except for V

REV. NO.	DESCRIPTION	DATE	APPROV.
1	DESIGNED		
2	REVIEWED		
3	APPROVED		
4	DRAWN: DL		SCALE: AS SHOWN
5	DATE: 07-10		SHEET 1 OF 1
6	DRAWING NO.		

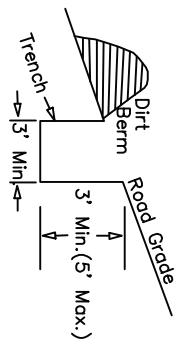
ROADSIDE BRUSHING

DETAIL

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON



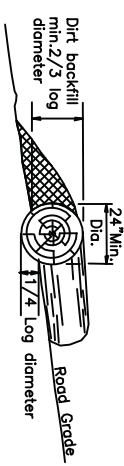
TRENCH BARRICADE



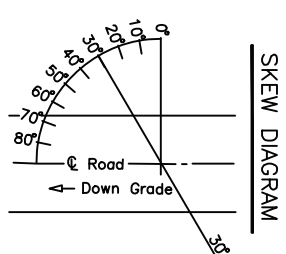
1. BARRICADE LENGTH SHALL EXTEND ACROSS THE ENTIRE ROAD SURFACE TO A POINT SUFFICIENT TO PROHIBIT MOTOR VEHICLE TRAFFIC.
2. THE EXACT LOCATION SHALL BE AS STAKED IN THE FIELD.
3. THE BARRICADE SHALL BE SKEWED AS NEEDED TO DRAIN OR AS DIRECTED BY THE AUTHORIZED OFFICERS REPRESENTATIVE.



LOG BARRICADE



1. LOG BARRICADE SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL BARRICADES SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE.
5. THE MINIMUM SMALL END DIAMETER OF THE LOG BARRICADE SHALL BE 24".

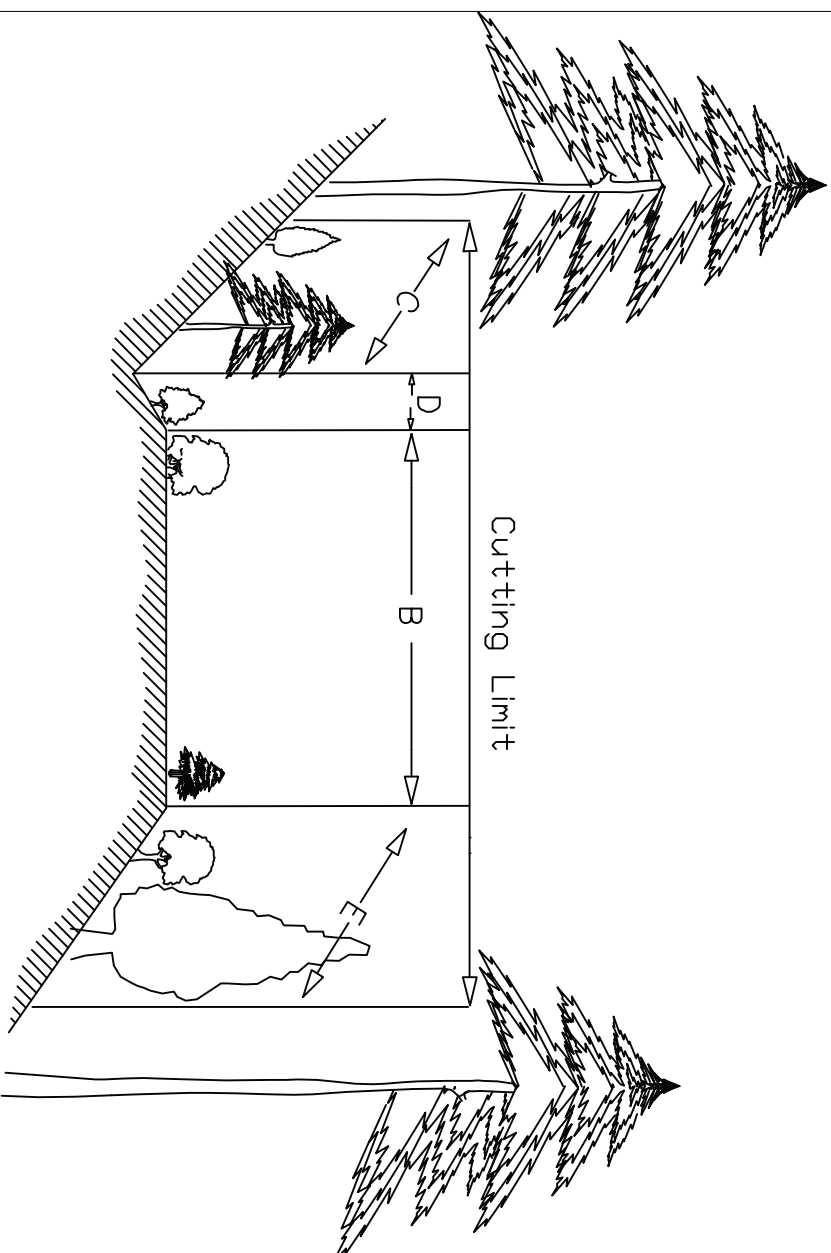


TRENCH BARRICADE LOCATIONS:
See Special Provisions E-1

LOG BARRICADE LOCATIONS:
See Special Provisions E-1

ALWAYS
THINK
SAFETY

DESIGNED	REVIEWED	APPROVED	DRAWN	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR	BUREAU OF LAND MANAGEMENT	MEDFORD DISTRICT	MEDFORD, OREGON		
ROAD CLOSURE DETAIL					
DL	SCALE	NONE			
DATE	07-10	SHEET	1 OF 1		
DRAWING NO.	OR-11-9113.4-9				



Cutting Limit = C + D + B + E

B = Road bed subgrade (includes turnouts).

C = Distance of vegetation removal beyond centerline of ditch.

C = 10 ft maximum slope distance

D = Centerline of ditch to inside shoulder

E = Distance of vegetation removal down the fill slope.

E = 10 ft maximum slope distance

REV. NO.	DESCRIPTION	DATE	APPROV.
1	UNITED STATES DEPARTMENT OF THE INTERIOR		
2	BUREAU OF LAND MANAGEMENT		
3	MEDFORD DISTRICT - MEDFORD, OREGON		

ROADSIDE DAYLIGHTING DETAIL

Designed _____

REVIEWED _____

APPROVED _____

DRAWN: DL _____ SCALE: NONE

DATE 07-10 _____ SHEET 1 OF 1

DRAWING NO. _____

Road Renovation Work List

ROAD 33-7-2.1

MP/STA	TASKS
0.00	Begin road renovation which includes scarifying and blading out potholes, blading road to crown configuration (where needed) blading and cleaning ditch line (where needed). Clean culvert catch basins, inlets and outlets.
	Begin roadside brushing and chipping. Begin applying Dust Palliative.
0.21	Existing CMP.
0.38	Existing CMP.
0.47	Existing CMP.
0.48	Private Driveway left.
0.51	Existing CMP.
0.53	Existing CMP.
0.61	Existing CMP.
0.68	Remove downed snag from ditch and cutbank.
0.71	Existing CMP.
0.72	Junction left, Road # 33-7-2.2. End applying Dust Palliative.
0.80	Existing CMP.
0.91	Existing CMP.
0.98	Existing CMP.
1.09	Existing CMP.
1.19	Existing CMP.
1.26	Existing CMP.
1.30	Existing CMP.
1.31	Junction right, Road # 33-7-11

1.34	Existing CMP.
1.44	Existing CMP.
1.59	Existing CMP.
1.63	Existing CMP.
1.77	Existing CMP.
1.89	Existing CMP.
1.97	Existing CMP.
2.04	Existing CMP.
2.11	Existing CMP.
2.24	Existing CMP.
2.31	Existing CMP.
2.42	Existing CMP.
2.51	Existing CMP.
2.57	End Renovation. Begin Road # 33-7-13.

ROAD 33-7-13

MP/STA	TASKS
0.00	Junction with road number 33-7-2.1. Begin road renovation which includes blading road to crown configuration (where needed), blading and cleaning ditch line (where needed). Clean culvert catch basins, inlets and outlets. Begin brushing and chipping roadside brush for a distance of 4 feet from edge of road. (See drawing C-6). Existing CMP. This is a large deep draw CMP that needs inlet cleaned. (hand cleaning ok)
0.06	Existing CMP. This is a 24" draw CMP that needs inlet cleaned.
0.09	Existing CMP. This is a 24" draw CMP that needs inlet cleaned.
0.15	Begin roadside daylighting. (See drawing C-8 and Special Provisions C-11).
0.18	Existing CMP.
0.30	Existing CMP.
0.35	Existing CMP.
0.38	Existing CMP.

0.46 Existing CMP.
0.59 Existing CMP.
0.66 Existing CMP.
0.72 Existing CMP.
0.80 Existing CMP.
0.87 Existing CMP.
0.90 End Renovation.

ROAD 33-7-13.4

MP/STA	TASKS
0.00	Junction road # 13.5. Begin roadrenovation which includes roadside brushing. Chipping is NOT required.
0.04	Existing CMP.
0.16	Existing CMP.
0.18	Water-dip
0.26	Existing CMP.
0.36	Water-dip
0.43	Existing CMP.
0.47	Turnaround area. End Renovation.

ROAD 33-7-13.5

MP/STA	TASKS
0.00	Junction road # 33-7-13. Begin road renovation which includes blading road (where needed), blading and cleaning ditch line (where needed), cleaning culvert catch basins, inlets and outlets. Begin roadside brushing and chipping.
0.02	Existing CMP.
0.15	Existing CMP.
0.18	Junction left, road #33-7-13.4.

0.26	Clean ditch-out.
0.46	Existing CMP.
0.55	Existing CMP.
0.88	Clean ditchline into CMP inlet from both sides.
1.12	Blade road to facilitate drainage for low spot in road.
1.24	Existing CMP.
1.33	Reshape ditchouts.
1.47	Blade road to facilitate drainage for low spot in road.
1.49	Junction right.
1.70	Blade road to facilitate drainage for low spot in road.
1.82	Existing CMP.
2.18	Existing CMP.
2.25	Existing CMP.
2.38	Existing CMP.
2.40	Maintain existing water-dip. Remove small tree hanging off inlet.
2.48	Existing CMP.
2.53	Remove small tree hanging off inlet.
2.59	Existing CMP.
2.68	Blade road to facilitate drainage for low spot in road.
2.91	Existing CMP.
3.00	Existing CMP.
3.09	Junction right, Road # 33-7-9.1
3.21	Blade road to facilitate drainage for low spot in road.
3.40	End Road. End renovation.

ROAD 33-7-13.6A

MP/STA	TASKS
0.00	Junction road # 33-7-13 and -13.7. Begin cleaning culvertcatch basins, inlets and outlets.
0.09	Existing CMP.
0.15	Existing CMP.
0.29	Existing CMP.
0.37	Existing CMP.
0.46	Existing CMP.
0.51	Remove fallen 30" Doug Fir snag from cut bank. Clean ditchline
0.60	Existing CMP.
0.73	Existing CMP.
0.80	Junction Right. Begin blading road (where needed), blading and cleaning ditch line (where needed). Begin roadside brushing and chipping.
0.89	End renovation. End segment A.

ROAD 33-7-13.6B

0.89	Junction with Segment A. Begin Segment B. Begin blading road (where needed), blading and cleaning ditch line (where needed). Begin roadside brushing and chipping.
0.98	Small turn around area. Road narrows and turns to native surfacing with heavy brush. Continue brushing and chipping. After brushing and chipping is complete, Cat renovation will be acceptable.
1.17	Small turn around area.
1.24	Junction left.
1.31	Blade road to facilitate drainage.
1.44	End renovation.

ROAD 33-7-13.7

MP/STA	TASKS
0.00	Junction roads # 33-7-13, 13.3, 13.5. Begin road renovation which includes cleaning ditch line (where needed), maintaining lead-in ditches into culvert inlets, cleaning culvert catch basins, inlets and outlets. Begin roadside brushing (where needed for visibility and safety). Chipping is NOT required on this road.
0.02	Existing steel gate
0.10	Existing CMP.
0.22	Existing CMP.
0.27	Existing CMP.
0.46	Existing CMP.
0.53	Existing CMP.
0.57	Junction road # 33-7-13.8 on right.
0.68	Existing 36" draw CMP.
0.71	Existing 36" draw CMP.
0.80	Existing CMP.
0.90	Existing CMP.
1.10	Existing CMP.
1.22	Existing CMP.
1.23	Junction road # 33-7-23 on left.
1.35	Existing CMP.
1.57	Existing CMP.
1.83	Clean lead-in ditch into culvert inlet.
1.88	Clean lead-in ditch into culvert inlet.
1.91	Existing CMP.
2.07	Existing CMP.
2.12	Existing CMP.

2.20	Existing CMP.
2.21	Remove large tree stump from roadway.
2.23	Clean ditch
2.41	Reshape ditch out to improve drainage of low spot in road.
2.54	Improve ditch and drainage on down grade.
2.95	Junction road # 33-7-35 right. Begin continuous brushing and chipping.
3.07	Existing CMP.
3.20	End Brushing and chipping. End Renovation.

ROAD 33-7-35

MP/STA	TASKS
0.00	Junction road # 33-7-36. Begin road renovation which includes blading road (where needed), blading and cleaning ditch line (where needed), blading out pot holes, maintaining waterdips and cleaning culvert catch basins, inlets and outlets. Placing crushed aggregate. Begin intermittent roadside brushing and chipping where needed for increased visibility and safety (Blind corners etc.).
0.12	Existing CMP.
0.27	Existing CMP.
0.33	Existing Waterdip.
0.35	Blade out pot holes. Bladeroad to outslope. Place 10 cubic yards of crushed rock on road surface.
0.43	Existing CMP.
0.49	Blade out pot holes. Blade road to outslope. Place 10 Cubic yards of crushed rock on road surface.
0.52	Existing CMP.
0.63	Existing CMP.
0.74	Existing CMP.
0.81	Existing CMP.
0.85	Existing CMP. Blade out potholes. Place 10 Cubt yards of crushed rock on road surface.

0.89	Junction left, Road # 33-7-35.1 Surfacing turns to Pit Run rock surfacing. End blading.
0.97	Junction right, Road # 33-7-35.2
1.05	Existing Waterdip.
1.07	Existing CMP.
1.15	Existing CMP. Existing Waterdip.
1.24	Existing CMP. Existing Waterdip.
1.26	Junction right unnumbered spur road.
1.29	Existing CMP.
1.38	Existing Waterdip.
1.40	Existing CMP.
1.55	Existing CMP.
1.61	Clean ditch line. Place material across road.
1.65	Existing Waterdip.
1.66	Existing CMP.
1.73	Existing Waterdip.
1.79	Existing CMP.
1.85	Existing waterdip.
1.90	Existing CMP.
1.95	End renovation.

ROAD 33-7-36 Segments A&B

MP/STA	TASKS
0.00	Junction with Lower Grave Creek County Road. Begin road renovation which includes blading road (where needed), scarifying road (where needed), blading and cleaning ditch line (where needed). Clean culvert catch basins, inlets and outlets. Begin roadside brushing and chipping.
0.05	Begin blading road and ditchline.
0.08	Existing CMP.

0.15	Existing CMP.
0.24	Junction right, unnumbered spur road. End blading road and ditchline. (Resume blading road and cleaning ditchline where needed).
0.25	Existing CMP.
0.35	Existing CMP.
0.45	Existing CMP.
0.58	Existing CMP.
0.69	Existing CMP.
0.81	Existing CMP.
0.93	Clean ditch of approximately 5 cubic yards of material. End haul material to m.p. 0.99. Allow no material over edge of bank.
0.96	Existing CMP.
1.02	Existing CMP.
1.09	Existing CMP.
1.16	Existing CMP.
1.30	Existing CMP.
1.40	Existing CMP.
1.49	Existing CMP. Dig out and repair inlet of aluminized culvert. Reconstruct catch basin.
1.64	Existing CMP.
1.70	Junction left, road # 33-7-35. End 33-7-36 Segment B. Begin Segment C.

ROAD 33-7-36 Segments C

MP/STA	TASKS
1.70	Junction with road 33-7-35. Begin 33-7-36 C. Begin road renovation which includes blading road (where needed), scarifying road (where needed), blading and cleaning ditch line (where needed). Clean culvert catch basins, inlets and outlets. Begin roadside daylighting (See drawing C-8 and Special Provisions C-11).

2.08

Existing CMP.

2.30

Existing CMP.

2.35

Begin improving ditchline.

2.47

End improving ditchline. Remove small (four (4) inch +/-) drainage pipe and install 18" by 40' CSP. Construct 20' outlet ditch for CMP drainage. Reconstruct inlet area so as to catch water from draw and ditchline. Place 20 cubic yards of crushed rock (commercial source) over road surface at CSP installation site. End of renovation.

General - 100

100

101 - Prework Conference:

A prework conference will be held prior to the start of improvement, reconstruction surfacing, and mulching renovation operations. The Purchaser shall request the conference at least 48 hours prior to the time it is to be held. The conference will be attended by the Purchaser and/or his representatives, subcontractors and/or his or their representatives and the Authorized Officer and/or his representatives.

The purpose will be to review the required work, exhibits and specifications, and to establish a work schedule and a list of the Purchasers representatives and subcontractors.

102 - Definitions:

Base Course - Surfacing structure consisting of crushed gravel or stone, crushed sandstone, pitrun rock, bank or river-run gravels, etc., to provide support and, in the event no surface course is placed, the running surface for traffic load.

BLM - Bureau of Land Management

Borrow - Excavated material required for embankments and other portions of the work.

Culvert – A pipe, pipe-arch, arch, or box structure constructed of metal, concrete, plastic or wood which provides an opening under the roadway primarily for the conveyance of liquids, pedestrians or livestock.

CSP – **Corrugated Steel Pipe**. Refer to the Culvert definition.

Curve Widening - Widening required on inside of curves to accommodate long log and equipment hauling trucks.

Embankment - A structure of soil, aggregate, or rock material placed on a prepared ground surface and constructed to subgrade.

End Haul - Excavated material moved, other than by dozer, to an embankment or waste area to prevent sidcasting material outside of the road prism.

Excess Excavation - Material from the roadway in excess of that needed for construction of the designed roadway (waste).

Overhaul - Distance excavated material is transported in excess of the distance included in the cost for excavation.

Pioneer Road - Temporary construction access built along the route of the project.

Piping - The process by which soil particles are washed in or through pore spaces in drains and filters or poorly compacted fill/backfill material.

Plans - The approved drawings, or exact reproductions thereof which show the locations, character, dimensions, and details of the work to be done.

Purchaser - The individual, partnership, joint venture, or corporation contracting with the Government under the terms of a Timber Sale Contract and acting independently or through their, or its agents, employees, or contractors.

Reasonably Close Conformity - Compliance with reasonable and customary manufacturing and construction tolerances where working tolerances are not specified.

Reinforcement - Strengthening of concrete with iron bars or mesh: geotextile with geotextile material inclusion: subgrade with aggregate: etc.

Roadbed - The graded portion of the road within top and side slopes, prepared as a foundation for the pavement structure and shoulders.

Road Centerline - Longitudinal center of roadbed.

Road Improvement - Work done to an existing road which improves it over its original design standard.

Road Renovation - Work done to an existing road which restores it to its original design.

Roadway - The portion of a road within limits of construction. Usually from the toe of the fill slope to a point where the cut slope intersects natural ground line. Synonym - road prism.

Scale - In quarrying, consists of the removal of loose or overhanging rock adhering to the solid face after a shot or a round of shots has been fired.

Scarification - The process of loosening or breaking up of the surface layer of soil or road, usually to a specified depth.

Shoulder - The portion of the roadbed contiguous with the traveled way designed for accommodation of stopped vehicles, safety, and lateral support of base and surface courses.

Spalls - Flakes or chips of stone.

Specifications - A general term applied to all directions, provisions, and requirements pertaining to performance of the work.

Structures - Bridges, culverts, catch basins, retaining walls, underdrains, flumes, splash pads, downspouts, and other project features which may be involved in the work and not otherwise classified in these specifications.

Subbase - Reinforcement of the subgrade with large particles of pitrun or crushed stone. Usually confined to roads having wet subgrades or subgrades with weak support characteristics.

Surface Course - Top layer of a road structure consisting of finely crushed gravels or asphalt designed to provide a smooth running surface for traffic load.

Subgrade - The top surface of a roadbed upon which the traveled way and shoulders are constructed.

Tackifier - A compound which facilitates the penetration of the compound into the earth and assists in creating a crust through the cohesive bonding of the surface materials to a depth sufficient to stabilize the soil surface.

Timber - Standing trees, downed trees, or logs which can be measured in board feet.

Traveled Way - The portion of the roadbed used for the movement of vehicles, exclusive of shoulders.

Typical Cross Sections - Cross-sectional plane of a typical roadway; showing natural ground line and designed roadway in relation to cut and fill, through cut, and through fill.

Turnout - Extra widening of the roadbed at appropriate intervals on single-lane roads for passing purposes.

Ultraviolet (UV) Radiation Stability - The ability of geotextile material to resist deterioration from exposure to sunlight.

- 103 - Compaction equipment shall meet the following requirements:
- 103g - Vibratory compactor. Vibratory compactors shall consist of multiple or gang-type compacting units or pads with a minimum variable width of 2 feet. It shall be self-contained and capable of compacting material as required.
- 103h Other. Compaction equipment approved by the Authorized Officer.
- 300 EXCAVATION AND EMBANKMENT - 300
- 301 - This work shall consist of excavating, overhaul, placement of embankments, backfilling, borrowing, leveling, ditching, grading, insloping, outsloping, crowning and scarification of the subgrade, compaction, disposal of excess and unsuitable

materials, and other earth-moving work in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.

- 302 - Excavation shall also consist of the excavation of road and landing cut sections, borrow sites, backfilling, leveling, ditching, grading, compaction and other earth moving work necessary for the construction of the roadway in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections as marked on the ground with stakes.
- 303 - Suitable material removed from the excavation shall be used in the formation of embankment subgrade, shoulders, slopes, bedding, backfill for structures, and for other purposes as shown on the plans.
- 305 - Embankment construction shall consist of the placement of excavated and borrowed materials, backfilling, leveling, grading, compaction, and other earth-moving work necessary for the construction of the roadway and landings in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans, and as marked on the ground with stakes.
- 305a - Material used in the construction of embankment sections shall be free of stumps, cull logs, brush, muck, sod, roots, frozen material and other deleterious materials and shall be placed and compacted as specified.
- 305b - Embankment materials shall be placed in successive parallel layers on areas cleared of stumps, cull logs, brush, sod, and other vegetative and deleterious materials, except as provided under Subsection 204. Roadway embankments of earth material shall be placed in horizontal layers not exceeding 24 inches in depth.
- 305c - Embankments formed of material containing less than 25 percent rock not larger than 8 inches in the greatest dimension shall be placed in 12-inch layers. Material containing more than 25 percent rock not larger than 12 inches in the greatest dimension shall be placed in successive layers not exceeding 2 feet in thickness. Individual rocks and boulders greater than 12 inches in diameter may be used to construct 2 foot embankment layers, provided they are carefully distributed, with interstices filled with fine material to form a dense and compact mass.

- 306a - Minimum compaction for each layer of embankment, selected borrow and selected roadway excavation material placed shall be 1 hour of continuous compacting for each 150 cubic yards 4 stations of road or fraction thereof.
- 308 - In the case of rock fills, placement of material in layers is not required and such material may be placed by end-dumping or other methods approved by the Authorized Officer provided that the rock be reasonably prevented from escaping beyond the embankment toe.
- 314 - When heavy clays, muck, clay shale, or other deleterious material for forming the roadbed is encountered in cuts at subgrade, it shall be excavated to a minimum depth of 2 feet below the subgrade elevation and the excavated area backfilled with a selected borrow material approved by the Authorized Officer. The backfill material shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density in accordance with the requirements of Subsection 306 a, c, and e. Unsuitable material shall be disposed of as directed by the Authorized Officer.
- 321 - Excess excavated, unsuitable, or slide materials shall not be disposed of on areas where the material will encroach on a stream course or other body of water. Such materials shall be disposed of in accordance with Subsection 321b.
- 321c - End-dumping will be permitted for the placement of excess materials under Subsection 321 in designated disposal areas or within areas approved by the Authorized Officer. Watering, rolling, and placement in layers is not required. Materials placed shall be sloped, shaped, and otherwise brought to a neat and slightly condition acceptable to the Authorized Officer.
- 323 - In the construction of channel changes and stream-crossing embankment sections, natural stream flow shall be maintained unless otherwise provided.
- 324 - Excavated material shall not be allowed to cover boles of standing trees to a depth in excess of (2) feet on the uphill side.

327 - The finished grading shall be approved in writing by the Authorized Officer. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

PIPE CULVERTS - 400

- 401 - This work shall consist of furnishing and installing pipe culverts in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Individual lengths and locations are approximate; final lengths and locations will be determined by the Authorized Officer. Additional pipe and/or erosion control devices may be required at the option of the Authorized Officer, in which case a reduction in the total purchase price shall be made to offset the cost of furnishing and installing such items. Costs will be based upon the unit prices set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 403 - Grade culverts shall have same gradient as the adjacent road grade, except grades shall not exceed 10% nor be less than 2%, and shall be skewed down grade 20 degrees, as measured from the perpendicular to the centerline, unless otherwise specified on the plans.
- 404 - Damage to the spelter, or burn back in excess of 3/8 inch, shall be wire brushed and painted with two coats of zinc-rich paint on zinc-coated and aluminum-rich paint on aluminum or aluminum-coated pipe.
- 405b - Corrugated-aluminum-alloy pipe culverts and pipe-arch culverts shall conform to the requirements of AASHTO M 196.
- 405e - Corrugated-polyethylene pipe for culverts 12-inch through 24-inch diameter shall meet the requirements of AASHTO M 294. Installation will be subject to the same specification as other pipe materials.
- 406 - Coupling bands shall conform to the requirements of AASHTO M 36 and AASHTO M 218, or AASHTO M 274 with the exception of band widths and the "Hugger"-type band, which shall conform to the details, dimensions, and typical diagram shown on the plans.

- 406a - "Hugger"-type coupling bands shall only be used with annular corrugated which shall consist of two (2) annular corrugations.
- 406b - Coupling bands produced from flat galvanized steel sheets with impressed dimples will be permitted only for connecting annular corrugated steel pipe to helically corrugated steel pipe. Such coupling bands shall conform to the width requirements shown on the plans.

NOTE: EXPERIENCE SHOWS THAT LEAKAGE AT ELBOW JOINTS CAN CAUSE FILL FAILURE.

- 406d- Pipe culverts at the following location(s):

<u>Road No.</u>	<u>M.P.</u>
33-7-36	2.47

shall be connected with "Hugger"-type coupling bands.

- 407 - Special sections, such as elbows, branch connections, and flared-end sections, shall be of the same gauge as the pipe to which they are joined, and shall conform to the requirements of AASHTO M 36 and AASHTO M 218 or AASHTO M 274.
- 408 - Pipe culverts and pipe-arch culverts shall be placed on the bed starting at the downstream end with the inside circumferential laps pointing downstream and with the longitudinal laps at the side or quarter points. Coupling bands of the types required under these specifications shall be installed so as to provide the circumferential and longitudinal strength necessary to preserve the pipe alignment, prevent separation of the pipe sections, and minimize infiltration of fill material.
- *410 - Pipe shall be unloaded and handled with reasonable care. If the Authorized Officer determines any structure is

damaged to the extent that it is unsuitable for use in the road construction, it shall be replaced at the Purchaser's expense.

411 - Trenches necessary for the installation of pipe culverts shall conform to the lines, grades, dimensions and typical diagram shown on the Culvert Installation Detail Sheet.

*412 - Where ledge rock, boulders, soft, or spongy soils are encountered, they shall be excavated a minimum of (24) inches below the invert grade for a width of at least one pipe diameter or span on each side of the pipe and shall be backfilled with selected granular or fine readily compactible soil material.

413 - Pipe culverts and pipe-arch culverts shall be bedded on a selected granular or fine readily compactible soil material having a depth of not less than (10) percent of the diameter or height of the drainage structure concerned or a minimum depth of:

Pipe Corrugation Depth	Minimum Bedding Depth
1/2 inch	1 inch
1 inch	2 inches
2 inches	3 inches

Foundation material shall be of uniform density throughout the length of the structure and shall be shaped to fit the pipe.

416 - Side-fill material for pipe culverts shall be placed within (1) pipe diameter, or a minimum of (2) feet, of the sides of the pipe barrel, and to (1) foot over the pipe with fine, readily compactible soil or granular fill material free of excess moisture, muck, frozen material, roots, sod, or other deleterious or caustic material and devoid of rocks or stones of sizes which may impinge upon and damage the pipe or otherwise interfere with proper compaction.

- 417 - Side-fill material conforming to the requirements of Subsection 416 shall be placed and compacted under the haunches of the pipe, and shall be brought up evenly and simultaneously on both sides of the pipe to (1) foot above the pipe, in layers not exceeding (6) inches in depth and (1) pipe diameter/span, or a minimum of (2) feet in width each side of, and adjacent to, the full length of the pipe barrel. Each layer shall be moistened or dried to a uniform moisture content suitable for maximum compaction and immediately compacted by approved hand or pneumatic tampers until a uniform density of (85) percent of the maximum density, is attained as determined by AASHTO T 99, Method C.
- 418 - Side fills beyond the compaction limits specified under Subsection 417 shall be compacted as specified under Section 300.
- 419 - The pipe culverts after being bedded and backfilled as required by these specifications shall be protected by a (4)-foot cover of fill before heavy equipment is permitted to cross the drainage structure(s). Removal of the protection fill shall be as directed by the Authorized Officer.
- 423 - Construction of catch basins and ditch dams conforming to lines, grades, dimensions and typical diagrams shown on Exhibit (C), included in the plans, shall be required for culvert at the following location:
- | <u>Road No.</u> | <u>Sta./M.P.</u> |
|-----------------|------------------|
| <u>33-7-36</u> | <u>2.47</u> |
- 425 - Where pervious materials are used for backfill and bedding, collars consisting of selected impervious material shall be placed at the inlet and at various intervals along the pipe barrel as shown on the plans, and as directed by the Authorized Officer.
- 427 - The Purchaser shall record culvert sizes, lengths and location actually installed on a copy of the culvert list. This culvert list shall be furnished to the Authorized Officer.

RENOVATION OF EXISTING ROADS - 500

- 500
- 501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, cleaning and shaping drainage ditches, trimming vegetation from cut and embankment slopes, and cleaning and repairing drainage structures of existing roads in accordance with these specifications and as marked on the ground with stakes or metal tags.
- 501a - This work shall include the removal and disposal of slides in accordance with these specifications and as marked on the ground with stakes.
- 502 - The existing road surface shall be scarified to its full width to eliminate surface irregularities and bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.
- 506 - The inlet end of existing drainage structures as shown on the plans shall be cleared of vegetative debris and boulders that are of sufficient size to obstruct normal stream flow. Pipe inverts shall be cleared of sediment and other debris lodged in the barrel of the pipe. The outflow area of designated pipe structures shall be cleared of rock and vegetative obstructions which will impede the structures designed outflow configuration. Catch basins shall conform to the lines, grade, dimensions, and typical diagram shown on the plans.
- 507 - The finished grading shall be approved by the Authorized Officer. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

WATERING – 600

600

- 601 - This work shall consist of furnishing and applying water required for the compaction of embankments, roadbeds, backfills, base courses, surface courses, finishing and reconditioning of existing roadbeds, laying dust, or for other uses in accordance with these specifications.
- 602 - Water, when needed for compaction or laying dust, shall be applied at the locations in the amounts and during the hours as directed by the Authorized Officer. Amounts of water to be provided will be the minimum needed to properly execute the compaction requirements in conformance with these specifications, and for laying dust during work periods where the road crosses private property.
- 603 - Water trucks used in this work shall be equipped with a distributing device of ample capacity and of such design as to ensure uniform application of water on the road bed.
- 604 - Water required under these specifications shall be obtained from approved sources.
Use of water sources are subject to applicable State water regulations.
Approved site: Commercial Source
- 605 - The Purchaser shall secure the necessary water permits and pay all required water fees for use of water sources elected by the Purchaser and approved by the Authorized Officer.

1200

AGGREGATE SURFACE COURSE - 1200
CRUSHED ROCK MATERIAL

- 1201 - This work shall consist of hauling and placing one or more layers of crushed rock material on roadbeds approved for placing crushed rock material in accordance with these specifications and conforming to the dimensions and typical cross sections shown on the plans. Material not conforming to these specifications will be rejected, and shall be removed from the road.

- 1202 - Crushed rock materials used in this work shall consist of quarry rock, stone, gravel, or other approved materials obtained from commercial sources.
- 1209 - Shaping and compacting of road bed shall be completed and approved, prior to placing crushed rock material, in accordance to the requirements of Subsection 500 for placing on the roadbed. Notification for subgrade inspection, prior to rocking, shall be 3 days .
- 1210 - Crushed rock material conforming to the requirements of these specifications shall be placed on the approved roadbed in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans and staked on the ground. Compacted layers shall not exceed 4 inches in depth. When more than one layer is required, each shall be shaped, processed, compacted, and approved in writing by the Authorized Officer before the succeeding layer is placed. Irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and then adding or removing crushed rock material until the surface is smooth and uniform.
- 1210a - Crushed rock material used to repair or reinforce soft, muddy, frozen, yielding, or rutted roadbed shall not be construed as surfacing required by this specification unless approved by the Authorized Officer.
- 1212 - Each layer of crushed rock material placed, processed, and shaped as specified shall be moistened or dried to a uniform moisture content suitable for maximum compaction and compacted to full width by requirements of Subsection 103f.

1800 - SOIL STABILIZATION

- 1801 - This work shall consist of seeding and mulching on designated cut, fill, borrow, disposal, and special areas in accordance with these specifications and as shown on the plans. This work is required for road acceptance under Section 18 of this contract. See Special Provisions, Ex. C-11, pg. 2.
- 1802 - Soil stabilization work consisting of seeding and mulching shall be performed on existing roads in accordance with these specifications and as shown on the plans at the following locations:

Road No.	M.P.	Type
All roads	Various.	Any disturbed areas.

- 1802a - Soil stabilization work consisting of seeding and mulching shall be performed on road renovation, improvements, disturbed areas, and disposal sites in accordance with these specifications and as shown on the plans.
- 1803 - Soil stabilization work as specified under Subsection 1802 shall be performed during the following seasonal periods:

From: September 15 To: October 15

If soil stabilization of disturbed areas is not completed by the specified fall date, the Purchaser shall treat disturbed areas and then complete the requirements of Soil Stabilization 1800 the next construction season.

The Authorized Officer may modify the above seasonal dates to conform to existing weather conditions and changes in the construction schedule.

- 1806a - Additional soil stabilization work consisting of seeding and mulching may be required at the option of the Authorized Officer. Providing the additional stabilization is not due to Purchaser negligence as specified in Sec. 12 of the contract, a reduction in the total purchased price shall be made to offset the cost of furnishing and applying such additional stabilization material. Cost shall be based upon the unit price set forth in the current BLM Timber Appraisal Production Cost Schedule.

- 1809d - Straw mulch shall be in an air-dry condition and suitable for placing with power spray equipment.

- 1810 - Mulch material shall be delivered to the work area in a dry state. Material found to be wet will not be accepted. Material to be used in the mulching operation may be stockpiled along the road designated for treatment provided that it be maintained in a dry state and has the approval of the Authorized Officer.
- 1812 - The Purchaser shall apply to approximately 1.00 acres designated for treatment as shown on the plans and as specified under Subsection 1802, mulch material at the following rate of application:
- | | |
|--------------------|---|
| A. Dry Application | |
| B. Native Seed | 10lbs./acre (if available) See Special Provisions, Ex. C-11, pg. 2. |
| C. Mulch/Straw | 3000lbs./acre |
- 1816b - Dry Method - Blowers, mechanical seeders, seed drills, landscape seeders, cultipaker seeders, fertilizer spreaders, or other approved mechanical seeding equipment may be used when seed and fertilizer are to be applied in dry form.
- 1820 - The purchaser shall notify the Authorized Officer at least 3 days in advance of date he intends to commence the specified soil stabilization work.
- 1822 - Mulch that collects at the end of culverts or accumulates to excessive depths on the slopes shall be evenly spread by hand methods, as directed by the Authorized Officer.
- 1826 - Twine, rope, sacks, and other debris resulting from the soil-stabilization operation shall be picked up and disposed of to the satisfaction of the Authorized Officer.

2100 ROADSIDE BRUSHING-2100

- 2101 - This work shall consist of cutting of vegetation from the road prism - variable distance and inside curves in accordance with these specifications. This work shall conform to the lines, grades, dimensions, and typical cross sections shown on the Roadside Brushing Detail Sheet, at designated locations as shown in the plans.

- 2102 - Roadside brushing may be performed mechanically with self powered, self-propelled equipment or manually with hand tools, including chain saws.
- 2103 - Vegetation cut manually or mechanically that is less than 7 inches in diameter at D.B.H. shall be cut to a maximum height of 6 (six) inches above the ground surface or above obstructions such as rocks or stumps on cut and fill slopes and all limbs will be severed from the trunk.
- 2103a - Vegetation shall be cut and removed from the road bed between the edge of fill slope to the ditch centerline and such vegetation shall be cut to a maximum height of 1 (one) inch above the ground and running surface. All limbs will be severed from the trunk. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.
- 2104 - Trees in excess of 7 inches in diameter at D.B.H. shall be limbed, so that no limbs extend into the treated area or over the roadbed to a height of 14 feet above the running surface of the roadway on cut and fill slopes, within the road prism-variable distance. No scarring of trunk or bole will be allowed. Removal of trees larger than 7 inches in diameter for sight distance or safety may be directed by the Authorized Officer.
- 2105 - Vegetation that is outside of the road prism-variable distance that protrudes into the road prism and within 14 feet in elevation above the running surface shall be cut. No scarring of trunk or bole will be allowed.
- 2106 - Vegetative growth capable of growing 1 foot in height or higher shall be cut within the road prism/variable distance or as directed by the Authorized Officer.
- 2107 - Inside curves shall be brushed out for a sight distance of 200 feet chord distance a middle ordinate distance of 25 feet. Overhanging limbs and vegetation in excess of 1(one) foot in height, shall be cut within these areas.
- 2108 - Self propelled equipment shall not be permitted on cut and fill slopes or in ditches.

- 2109 - Where specified in work list (C-9), debris resulting from this operation shall be scattered downslope from the roadway. Debris shall not be allowed to accumulate in concentrations. Debris in excess of one (1) feet in length and two (2) inches in diameter shall not be allowed to remain on cut slopes, ditches, roadways or water courses, or as directed by Authorized Officer.
- 2110 - Where specified in work list (C-9), debris resulting from roadside brushing shall be mechanically chipped or otherwise reduced and dispersed within the project area. Chipped or reduced material shall be dispersed over the fill slopes into the forest stands and - or onto the cut banks. Chips or reduced material shall not be allowed to accumulate on cut banks but shall be spread evenly to a maximum depth of two (2) inches. No chips or reduced material will be allowed in roadways, drainage ditches, or within channel bottoms or streams. Vegetation to be treated shall be mechanically chipped or reduced in a manner that 95 percent of the material produced are no larger than two (2) inches by two (2) inches in size. Contractor utilization of chips or reduced material permitted with prior Authorized Officer's notification.

- 2113 - Roadside brushing shall be accomplished as specified on the plans on the roads listed below:

Road No.	From M.P.	To M.P.	Treatment Method	Slash disposal
33-7-2.1	0.00	2.57	Roadside Brush	Chip or reduce
33-7-13	0.00	0.15	Roadside Brush	Chip or reduce
33-7-13	0.15	0.90	**Daylight	See Special Provisions (C-11)
33-7-13.4	0.00	0.47	Roadside Brushing	Scatter

33-7-13.5	0.00	3.40	Roadside Brushing	Chip or reduce
33-7-13.6 A	0.80	0.89	Roadside Brushing	Chip or reduce
33-7-13.6 B	0.89	1.44	Roadside Brushing	Chip or reduce
33-7-13.7	0.00	3.20	Roadside Brushing	Scatter
33-7-35	0.00	1.95	Roadside Brushing	Chip or reduce
33-7-36 A&B	0.00	1.70	Roadside Brushing	Chip or reduce
33-7-36 C	1.70	2.47	**Daylight	See Special Provisions (C11)

****See Special Provisions, Ex. C12, pg. 1. for Daylighting specifications.**

- 2116 - Mechanical brush cutters shall not be operated when there are people and occupied vehicles within 400 feet of the immediate operating area.
- 2117 - Traffic warning signs shall be required at each end of the work area. Signs shall meet the requirements of the Manual on Uniform Traffic Devices.

SPECIAL PROVISIONS

1. Before beginning road renovation, construction, reconstruction, or surfacing operations for the first time or after a shutdown of seven or more days, the Purchaser shall notify the Authorized Officer of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer if they intend to cease operations for any period of 30 or more days.
2. The contractor shall protect and is responsible for any damage to existing telephone lines, transmission lines, fiber optic lines, fences, ditches, and other existing improvements as required in Section 14. Damage to utilities and existing improvements shall be promptly paid for or repaired to a condition which, in the opinion of the Authorized Officer, is at least as good as the condition just prior to such damage.
3. Roadside Brushing: Every effort will be made to reduce scarring of tree trunks or boles. **All culvert inlets and outlets shall be brushed for a radius of four (4) feet.**
4. Roadside Daylighting (see Exhibit C-8; Roadside Daylighting Detail):
Cutting Requirements:
All Vegetation shall be cut to a maximum height of six (6) inches above the ground surface or above obstructions such as rocks or stumps in the areas designated as C (cut bank), and E (fill slope) of Exhibit C-8.

All Vegetation shall be cut to a maximum height of one (1) inch above the ground and running surface in the area designated as D and B of Exhibit C-8. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.

Debris handling:

Debris resulting from Roadside Daylighting within the area designated as E (fill slope) on the Daylighting detail shall be cut so it would not exceed 12 inches in height from the ground and material less than six (6) inches in diameter would be cut into pieces so it would not exceed 8 ft in length. Scattering would arrange slash in a discontinuous pattern across the forest floor.

Debris resulting from daylighting operations within the areas designated as C, D and B, shall be mechanically chipped or otherwise reduced and dispersed within the project area. Chipped or reduced material shall be dispersed into area E

(over fill slopes into the forest stands) and - or onto area C (cut banks). Chips or reduced material shall not be allowed to accumulate in area C (cut banks) but shall be spread evenly to a maximum depth of two (2) inches. No chips or reduced material will be allowed within areas D and B (roadways, drainage ditches, or within channel bottoms or streams). Vegetation to be treated in areas C, D, and B shall be mechanically chipped or reduced in a manner that 95 percent of the material produced are no larger than two (2) inches by two (2) inches in size. Contractor utilization of chips or reduced material permitted with prior Authorized Officer's notification.

Stump removal:

All stumps designated by the Authorized Officer and that would interfere with normal Motor Patrol Blading within areas D and B (including turnouts) shall be removed. Stumps seven (7) inches and less shall be removed in such a way as to not cause damage to drainage ditch or road. Stumps larger than seven (7) inches shall be ground down to a minimum of three (3) inches below ground or road surfacing level.

5. All disturbed soil shall be seeded and mulched. Purchaser shall apply native grass seed and Certified Weed Free straw mulch for soil stabilization operations. BLM will furnish native grass seed **if available**. Certified weed free straw mulch will be the responsibility of the contractor.
6. The Purchaser shall clean culvert inlets or install new culverts located in stream channels between **July 1 and September 15** in accordance with Oregon Department of Fish and Wildlife (ODFW) in-stream work period guidelines.
7. Refer to Special Provisions E-1 of the contract for details regarding treatments of temporary routes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROAD MAINTENANCE SPECIFICATIONS

INDEX

3000 - GENERAL MAINTENANCE

3100 - OPERATIONAL MAINTENANCE

3200 - SEASONAL MAINTENANCE

3300 - FINAL MAINTENANCE

3400 - OTHER MAINTENANCE

EXHIBIT D MAP

GENERAL MAINTENANCE - 3000

- 3001 - The Purchaser shall be required to maintain all roads listed and/or referenced in Section 41 (C-3) Special Provisions of this contract in accordance with Sections 3000, 3100, 3200, 3300 and 3400 of this exhibit.
- 3001a - The Purchaser shall be required to provide maintenance on roads in accordance with Subsection 3108, 3401, 3403, and 3404.
- 3002 - The Purchaser shall maintain the cross section of existing dirt or graveled roads to the existing geometric standards. Any roads required to be constructed, improved, or renovated under terms of this contract shall be maintained to the standards required in Exhibit C of this contract.
- 3003 - The minimum required maintenance on any roads shall include the provisions specified in Subsections 3101, 3104, and 3105.
- 3004 - The Purchaser shall be responsible for providing timely maintenance and cleanup on any road with logging units substantially completed prior to moving operations to other roads. The maximum length of nonmaintained or noncleanup of the road prism, shall not exceed the sum of one (1) mile at any time. Release of maintenance requirements may be granted, upon written request, when the conditions specified in Sections 3300 and 3400 are met satisfactorily.

OPERATIONAL MAINTENANCE - 3100

- 3101 - The Purchaser shall blade and shape the road surface and shoulders with a motor patrol grader. Banks shall not be undercut. Back blading with tractors or similar equipment will be allowed only around landings and other areas when approved by the Authorized Officer.
- 3102a - Crushed rock materials used in this work **may** be obtained from commercial sources selected by the Purchaser at his option and expense, providing the rock materials furnished comply with these specifications.
- 3103 - The Purchaser shall maintain established berms and place additional berms using adjacent material where needed to protect fills as directed by the Authorized Officer.

- 3104 - The Purchaser shall perform other road cleanup including removal of debris, fallen timber, bank slough, and slides which can practicably be accomplished by a motor patrol grader, rubber tired front end bucket loader, rubber tired backhoe or comparable equipment, and by the use of hand tools.
- 3104a - Removal of bank slough and slide material includes placement of material at the nearest suitable turnout or disposal site where material cannot erode into streams, lakes, or reservoirs or cause undue damage to road fill slopes which have been planted or mulched to control soil erosion.
- 3104b - The Purchaser shall be responsible for removal of all slides, up to fifteen (15) station yards in quantity, at any one site. This work includes unlimited multiple sites on all roads required to be maintained by the Purchaser. Prior to removal of any slough or slide material exceeding fifteen (15) station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, method of disposal, and the disposal site. Work may commence immediately after agreement.
- Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work, based on current BLM Timber Appraisal Production Cost Schedules. Adjustments in purchase price for completed work shall be made as necessary and no less than once per year when actual work is ongoing.
- 3105 - The Purchaser shall be responsible for maintaining normal flow in drainage structures. This includes cleaning out drainage ditches, catch basins, clearing pipe inverts of sediment and other debris lodged in the barrel of the pipe, and maintaining water dips and water bars using equipment specified in Subsection 3104 and other culvert cleaning and flushing equipment.
- 3106 - The Purchaser shall be responsible for repair and replacement of all material eroded from road shoulders and fill slopes, up to fifteen (15) station yards in quantity, at any one site. The work includes unlimited multiple sites on all roads required to be maintained by the Purchaser. Prior to repair and replacement of eroded material exceeding fifteen (15) station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, borrow source and method of repair. Work may commence immediately after agreement.
- Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work, based upon current BLM Timber Appraisal Production Cost Schedules. Adjustments in purchase price for completed work shall be made as necessary, and no less than once per year when actual work is ongoing.

- 3107 - The Purchaser shall cut or trim trees and brush which obstructs vision or prevents the safe passage of traffic along the travelled way, when directed by the Authorized Officer.
- The Purchaser shall also cut trees or brush encroaching on the road prism that are a result of his activities or winter damage during the contract period. Disposal of such vegetative material shall be *by scattering below the road in accordance with Section 2100 of Exhibit C.
- 3108 - The Purchaser shall avoid fouling gravel or bituminous surfaces through covering with earth and debris from side ditches, slides, or other sources. The Purchaser shall also avoid blading surfacing material off the running surface of the roadway. Skidding of logs on the roadway in or outside designated logging units is not authorized without prior written approval by the Authorized Officer. Repair required by such skidding activity is not considered maintenance and shall be repaired at the Purchaser's expense.
- 3108a - The Purchaser shall perform logging operations on *gravel and/or bituminous roadways only where the locations have been marked on the ground and/or approved by the Authorized Officer. *Repair of the road shall be as specified in Subsection 3401.

SEASONAL MAINTENANCE - 3200

- 3201 - The Purchaser shall perform preventive maintenance at the end of Purchaser's hauling each season and during nonhauling periods which occur between other operations on the contract area. This includes cross ditching, removing ruts or other surface irregularities and all other requirements specified in Section 3100.
- 3202 - The Purchaser shall perform and complete maintenance specified in Sections 3000, 3100, and 3200 on all roads maintained by the Purchaser, prior to October 1 each year, except as specified in Subsection 3203, after initial commencement of construction or logging operations. Thereafter all roads shall have continuous preventive maintenance and road cleanup until suspension of seasonal operations. This includes all roads used and not used during the preceding operating seasons.
- 3203 - The Purchaser shall complete road cleanup and maintenance, as specified in Section 3100, at the completion of logging operations on any road* located in an area separate from the area where logging activities will resume.

3204 - The Purchaser shall be responsible for performing post storm inspections and maintenance during the winter season to minimize erosion and potential roads or watershed damage.

FINAL MAINTENANCE - 3300

3301 - The Purchaser shall complete final maintenance and/or damage repairs on all roads used under terms of their contract within 30 calendar days following the expiration of Purchaser's right to cut and remove timber (Sec. 4) and in accordance with Sec. 16(b) of this contract. This work shall include any maintenance and/or damage repairs specified in Sections 3000, 3100, and 3200 necessary to meet the conditions specified in Subsection 3002 and shall be executed in accordance with Subsection 3302 of this Section.

The Authorized Officer may grant acceptance of Purchaser's maintenance responsibility in part where certain individual roads or road segments are no longer of any use to the Purchaser's remaining removal operations, providing that all contract requirements as specified under Sec. 16(b), Special Provisions (Sections 3000, 3100, 3200, and 3300 of the maintenance specifications) have been completed and a relinquishment of cutting and removal rights on cutting units tributary to these roads is signed by the Purchaser. Request for partial acceptance must be submitted in writing by the Purchaser.

3302 - The Purchaser shall perform final road maintenance only when weather or soil moisture conditions are suitable for normal maintenance equipment operations as determined by the Authorized Officer.

If final maintenance is delayed after the date required in Subsection 3301 of this contract by adverse soil moisture or unsuitable equipment operating conditions, the Purchaser will be notified by the Authorized Officer when soil moisture and equipment operating conditions are suitable. The Purchaser shall then be required to complete final maintenance within 30 days.

OTHER MAINTENANCE - 3400

3401 - The Purchaser shall repair any damage to road surfaces that was specified under Subsection 3108. This repair includes restoring the roadway to the designed standard and replacement of surfacing with approved surface material. This repair is not limited to use of equipment specified in Subsection 3104.

3402 - The Purchaser shall be permitted to remove ice and snow from roads authorized for use under this contract only when prior written approval has been secured from the Authorized Officer. The Purchaser shall submit a written request for permission to remove ice and snow in advance of the date operations are to begin.

Upon receiving written authorization for ice or snow removal, the Purchaser will perform the work according to the conditions and equipment requirements set forth in the Authorization.

3403 - The Purchaser shall be required to furnish and apply nonsaline water during dry hauling periods, when directed by the Authorized Officer, for the purpose of laying dust and to prevent loss of surface material. The first application of water shall be made at the rate of one-half gallon per square yard of road surface traveled. Subsequent applications shall be made for each 40 MBF of timber or 120 cubic yards of rock hauled. Subsequent waterings may be done at a rate less than one-half gallon per square yard when a specified lesser rate is approved by the Authorized Officer.

The following roads shall be watered:

<u>Road Number</u>	<u>M.P.</u>	<u>M.P.</u>
33-7-36	0.00	0.30

Other roads in sale area as needed.

3404 - The Purchaser may, at his option and expense, substitute lignin sulfonate, for water on any or all road segments listed in Subsection 3403 provided that written approval is received from the Authorized Officer. Such authorization shall include approval of product specifications for the application of the product to be used. Multiple applications may be required to maintain the conditions specified in Subsection 3403.

3405 - The Purchaser shall be required to furnish and apply lignin sulfonate dust palliatives in accordance with these specifications.

This work shall be performed upon acceptance of the required road renovation work and be placed prior to any timber hauling.

When extended hauling has commenced during the wet weather season, the Purchaser shall apply the required dust palliative no later than July 1 of the subsequent summer hauling season or as directed by the Authorized Officer.

Any other dust abatement necessary, as decided by the Authorized Officer, during interim periods prior to the application of the required dust palliative, shall be by use of other methods that satisfactorily mitigate any dusting problems.

The specified dust palliative shall be applied evenly over the specified road surface width of the following roads:

<u>Road Number</u>	<u>Sta. M.P.</u>	<u>To</u>	<u>Sta. M.P.</u>	<u>Spread Width</u>
<u>33-7-2.1</u>	<u>0.00</u>		<u>0.72</u>	14

Turnouts and extra widening shall not be included in addition to the spread width.

3405a - Additional lignin sulfonate dust palliative may be required at the option of the Authorized Officer when the functional qualities of the dust palliative have been reduced or become noneffective due to third party damage, rain, or other events not in control of the Purchaser.

All materials and labor shall be furnished by the Purchaser and placed in amounts and locations designated by the Authorized Officer, in which case a reduction in the total purchase price shall be made to offset the cost. Costs will be based upon the unit prices set forth in the current BLM Timber Appraisal Production Cost Schedule.

If additional dust palliative is required due to events controlled by the Purchaser, such as split hauling season, the Purchaser shall furnish and place such material at his own expense.

3405b - The Purchaser shall notify affected residents, along the roads to be treated, of the planned application of lignin sulfonate dust palliatives, at least three (3) days prior to the work. Warning signs shall be posted at key intersections to alert users that the road is being treated. All signs shall be removed by the Purchaser within three (3) days.

3406 - Prior to the application of lignin sulfonate dust palliatives, the roadbed shall be bladed and shaped to remove surface irregularities and excess loose material. The prepared surface must have one-half (1/2) to one (1) inch of relatively loose material and must be visibly moist and drying.

3406b - A light application of water to promote better penetration shall be made sufficiently in advance of the application of the specified dust palliative, to allow the drying process to begin and to eliminate any saturated surface conditions.

- 3406c - The prepared roadbed shall be approved by the Authorized Officer prior to application of the specified dust palliative.
- 3407 - The Purchaser shall furnish in duplicate written certification, signed by vendor, of compliance with the lignin sulfonate dust palliatives material requirements specified under Subsection 3412b. Certification shall include the vehicle scale weights for each load.
- 3408 - Dust palliatives shall be applied by distribution equipment designed, equipped, maintained and operated, in a manner that the material is uniformly applied on variable widths of surface at readily determined and controlled rates. All equipment shall be of a standard commercial type that will provide satisfactory performance.
- 3409 - The Purchaser shall notify the Authorized Officer a minimum of three 3 days in advance of application of required dust palliative.
- 3411 - Required lignin sulfonate dust palliatives shall only be applied when the atmospheric temperature is 45 degrees F. and steady or rising, and when the weather is not foggy or rainy. The material shall not be applied when rain is anticipated within 24 hours of application.
- 3411b - The Purchaser shall be required to allow time for the bituminous dust palliative material to penetrate the surface and adequately cure, prior to use by traffic.
- 3412 - The Purchaser shall apply to the prepared roadbed specified under Subsection 3405 a lignin sulfonate dust palliative conforming to the material requirements of Subsection 3412b. The rate of application shall be **.4 gallons** per square yard surface. Applied materials not penetrating the road surface shall be blade mixed with additional water into the top 1 to 1-1/2 inches of the surfacing at the contractor's expense.
- 3412a - If required, the lignin sulfonate shall be field diluted within the application vehicle and be circulated at least 5 minutes to assure mixing. An air gap shall be provided between any water source and the materials being diluted. Accidental spills shall be contained to prevent entry in water courses or ponded water. The surface of adjacent structures and trees shall be protected from spattering or marring.
- A wetting agent may be used in addition to the certified compound or mixed with the road surface preparation watering. A mix of less than 1:6000 is recommended.

Water used to dilute lignin sulfonate concentrate shall be reasonably clean and free of oil, salt, acid, alkali, vegetable matter, or any other substance injurious to the finished product.

3412b - Specifications for Lignin Sulfonate:

Lignin sulfonate shall be the chemical residue produced as a by-product of the acid sulfite pulping process, and supplied as a water solution. The base cation shall be ammonia, calcium or sodium. The product shall be water soluble to allow field dilution.

Solids determination shall be made according to the modified Technical Association of the Pulp and Paper industry Standard T629-M53 or by a specific gravity/percent solids versus temperature graph that correlates with the standard. The pH of the applied solution shall be 4.5 minimum, as determined by AASHTO T 200.

Ammonium Lignin Sulfonate

Solids	48% min.
Moisture	50% max.
Sugars	12% max.
pH	4.5% min.
Protein	16% min.
NPH	15 max.
Ash	0.5%
Sulphur	5%
Calcium	0.025% min.
Viscosity at 77° F.	Less than 2000 CPS
lbs./gal.	10.2

3414 - Sampling of lignin sulfonate may be required to validate certificates furnished by the Purchaser. When sampling is directed by the Government, the actual samples will be taken by the Purchaser or his representative, in the presence of the Authorized Officer.

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Tract No : 10-20
Sale Name: Wolf Pup
Road Mtc. Cost Appraisal

1. Road Use Fees - Amortization

Use Fee is free Use

R/W Number	Road Number	Rd Use Fee x	Vol MBF =	Road Use Obligation
M887B	33-5-7-13.5 C1			\$12.76

(1) Subtotal \$12.76

2. BLM Maintenance - Timber Haul 1/ 2/ 3/ 4/ 5/

Road Number and Segment	A Surf N Type	Maint Mi	Vol x Fee x	Total MBF =	Maint
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(2.1) Subtotal

- 1/ Enter list of roads in Sec. 41(RC-2).
2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.
3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

3. BLM Maintenance - Rock Haul 1/ 2/ 3/

Road Number and Segment	A Surf N Type	Maint Mi	Vol x Fee x	Total C.Y. =	Maint
----------------------------	------------------	-------------	----------------	-----------------	-------

(3.1) Subtotal

- 1/ Enter list of roads in Section 41(RC-2).
2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.
3/ Include lump sum logging damage repair (See Ex. D, Subsection 3108a Option F & 3401a).

4. Third Party Maintenance and Rockwear - Timber Haul 1/

MAINTENANCE (4.1)					ROCKWEAR (4.2) 2/ 3/		
Road Number and Segment	A N	Maint Mi	Vol x Fee x	Total MBF =	Rkwear Vol	Total	
					Mi x Fee x	MBF =	Rkwear

(4.1) Subtotal (4.2) Subtotal

- 1/ Enter list of roads in Sec. 41(RC-2).
2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.
3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

5. Third Party Maintenance and Rockwear - Rock Haul 1/

MAINTENANCE (5.1)					ROCKWEAR (5.2) 2/ 3/		
Road Number and Segment	A N	Maint Mi	Vol x Fee x	Total C.Y. =	Rkwear Vol	Total	
					Mi x Fee x	C.Y. =	Rkwear

(5.1) Subtotal (5.2) Subtotal

- 1/ Enter list of roads in Sec. 41(RC-2).
2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.
3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

Tract No : 10-20
Sale Name: Wolf Pup
Road Mtc. Cost Appraisal

6. Other Maintenance Payments - USFS or Others Perform Maintenance

Agreement	Fee	Fee	Vol	Maint
Number	Road Number	MBF/Mi x Mi =	/MBF x Hauled =	Cost

(6) Subtotal

7. Purchaser Maintenance - Rock Wear

TIMBER HAUL (7.1)

ROCK HAUL (7.2) 2/ 3/

Road No 1/ and Segment	A	RkWear	Vol	Total	Rkwear	Vol	Total
	N	Mi	x Fee x	MBF = RkWear	Mi	x Fee x	C.Y.= Rkwear
33-7-2.1	A	2.57	0.46	2365 \$2795.90			
33-7-13	A	0.90	0.46	2365 \$979.11			
33-7-13.4	A	0.47	0.46	100 \$21.62			
33-7-13.5 A	A	0.62	0.46	1977 \$563.84			
33-7-13.5 B	A	1.12	0.46	1593 \$820.71			
33-7-13.5 C2	N	0.17	0.55	1047 \$97.89			
33-7-13.5 D	N	0.70	0.55	1047 \$403.10			
33-7-13.5 E	N	0.84	0.55	678 \$313.24			
33-7-13.6 A	A	0.89	0.46	325 \$133.06			
33-7-13.6 B	A	0.55	0.00	207 \$0.00	0.00	0.00	0 \$0.00
33-7-13.7	A	3.20	0.46	58 \$85.38			
33-7-35	A	1.00	0.46	100 \$46.00			
33-7-35	A	0.95	0.46	194 \$84.78			
33-7-36 A&B	A	1.70	0.46	382 \$298.72			
33-7-36 C	A	0.77	0.46	87 \$30.82			

(7.1) Subtotal \$6674.16

(7.2) Subtotal \$0.00

- 1/ List all purchaser maintained roads and enter list in Section 41(RC-2a). Don't repeat any BLM maintained roads listed on appraisal. List may include new const. roads without fees.
2/ All surfaced roads have a rockwear fee, except no rockwear fee is charged for rock haul on roads surfaced or resurfaced under this timber sale.
3/ Include lump sum logging damage repair (See Ex. D, Subsection 3108a Option F & 3401a).

7. Purchaser Operational Maintenance

Cost allowances must be limited to work required under timber sale Exhibit D.
If purchaser maint. such as dust control/damage repair is performed on BLM maint. roads, add appropriate mandatory Ex. D provisions, RC-2a and RC-2h stips. Note in prospectus.

7.3A Move In

Equipment 1/	No	Move	Cost/	Dist	Sub-
	Units	x in x	50 Mi x	Factor =	total
Motor Grader:	1	1	\$335.00	0.84	\$281.40
Back Hoe:	1	1	\$335.00	0.84	\$281.40
Loader:			\$335.00	0.59	\$0.00
Water Truck:	1	1	\$206.00	0.84	\$173.04
Dump Truck 2/:	1	1	\$214.00	0.84	\$179.76

(7.3A) Total \$915.60

- 1/ Equipment limited to that allowed in Exhibit D. Refer to Sch. 20 Table 2.
2/ Dump truck is allowable for surface repair only.

7.3B Culvert Maintenance - Including Catchbasins and Downpipes 1/

Miles	x	Cost/Mi	=	Subtotal
4		292.45		\$1169.80

(7.3B) Total \$1169.80

- 1/ Does not include purchase or installation of culvert pipe. Refer to Sch. 20 Table 32.

Tract No : 10-20
Sale Name: Wolf Pup
Road Mtc. Cost Appraisal

7.3C Grading (Includes Ditches and Shoulders) 1/

	<u>Miles</u>	<u>x</u>	<u>Cost/Mi</u>	<u>x</u>	<u>Freq</u>	<u>= Subtotal</u>
Blade Road:	5.00		459.60		1	\$2298.00
Blade Ditch:	2.00		153.20		1	\$306.40

(7.3C) Total \$2604.40

1/ Watch for double allowance on roadway preparation for dust palliative application.

7.3D Slide and Slough removal, Slump Repair (15 sta-yds. ea.) 1/

Type	No Slides	Hours	Equip	
Equipment	/Slumps	x Each	x Cost	= Subtotal
Grader:	0	0	119.90	\$0.00
Loader:	0	0	84.43	\$0.00
Backhoe:	0	0	62.55	\$0.00

(7.3D) Total \$0.00

1/ Maximum haul is 15 sta. yds. Use grader or front end loader only. Dump truck not allowed in specifications. Refer to Sch. 20 Table 28.

7.3E Dust Palliative (Water) 1/

Spreading Hours

<u>Miles</u>	<u>/</u>	<u>MPH</u>	<u>=</u>	<u>Hours</u>	<u>x</u>	<u>No</u>	<u>x</u>	<u>Freq</u>	<u>=</u>	<u>Truck</u>
1.00		5		0.2		10		2		4.0
Load & Haul-Roundtrip =				0.0		0		0		0.0
Load & Haul-Roundtrip =				2.0		10		2		40.0
Fixed Hours (3000 Gal. tanker)										
Total Hours =										44.0

Truck Cost: \$82.33/Hr. x 44.0 Hours = \$3622.52

(7.3E) Total \$3622.52

1/ Allow water for all BLM maint. non-oiled roads. Subsection 3403 requires 0.50 gal/syd.

7.3F Surface Repair (Aggregate)

Production Cost: 1/	0 C.Y. x \$0.00/C.Y.	=	\$0.00
Haul to Stockpile:	40 C.Y. x \$1.45/C.Y. x 15.00 Mi	=	\$870.00
Stockpile:	0 C.Y. x \$1.18/C.Y.	=	\$0.00
Load from Stockpile:	40 C.Y. x \$1.30/C.Y.	=	\$52.00
Haul from Stockpile:	40 C.Y. x \$2.18/C.Y. x 3.00 Mi	=	\$261.60
Process with Grader:	40 C.Y. x \$1.00/C.Y.	=	\$40.00

(7.3F) Total \$1223.60

1/ Use unit cost from Road Construction Cost Guide.

Tract No : 10-20
Sale Name: Wolf Pup
Road Mtc. Cost Appraisal

7.3G Dust Palliative (Bituminous, Lignin, Magnesium Chloride)

Costs based on call to VSS Emultech

Roadway Preparation:

Watering: 4 Truck hrs x \$82.33/hr = \$329.32

Blading Shaping and Compacting: 0.72 mi x \$818.91 /mi = \$589.62

Quantity of Material: Lignin

3,802 ft x 16 ft width/9 sq ft/sq yd = 6,759 sq yd

6,759 sq yd x 0.6 gal/sq yd = 4,055 gallons

4,055 gallons/200 Gallon/ton = 20.3 tons x \$165.00/ton = \$3,349.50

Application:

Spreading: 20.3 tons x \$10.29/ton = \$208.89

Demurrage (over 2 hrs) 2 hrs x \$123.04/hr = \$246.08

Hauling:

From K. Falls To Grants Pass 20.3 tons x \$25.55/ ton = \$518.67

Beyond Destin:(45 mph) 30 mi x \$0.21/ton-Mile x 20.3 tons = \$127.89

Beyond Destin:(25 mph) 5 mi x \$0.38/ton-Mile x 20.3 tons = \$38.57

(7.3G) Total \$5,408.53

7.3H Other

Fallen Timber Cutting: 1/ 0.0 Hours x \$0.00/Hour = \$0.00

Brush Cutting/Tree Trimming: 2/ 0.0 Hours x \$0.00/Hour = \$0.00

Oil/Asphalt Materials: 3/ Lump Sum = \$0.00

Signing for Dust Palliatives: 4/ Lump Sum = \$0.00

Misc. L.S. = \$0.00

(7.3H) Total \$0.00

- 1/ Exhibit D Subsection 3104.
- 2/ Exhibit D Subsection 3107.
- 3/ Exhibit D Subsection 3401a.
- 4/ Exhibit D Subsection 3405b.

Tract No : 10-20
Sale Name: Wolf Pup
Road Mtc. Cost Appraisal

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROAD SURFACE STABILIZATION APPRAISAL WORK SHEET

7.3G Dust Palliative (Bituminous, Lignin, Magnesium Chloride)

Costs based on call to VSS Emultech

Roadway Preparation:

Watering: 4 Truck hrs x \$82.33/hr = \$329.32

Blading Shaping and Compacting: 0.72 mi x \$818.91 /mi = \$589.62

Quantity of Material: Lignin

3,802 ft x 16 ft width/9 sq ft/sq yd = 6,759 sq yd

6,759 sq yd x 0.6 gal/sq yd = 4,055 gallons

4,055 gallons/200 Gallon/ton = 20.3 tons x \$165.00/ton = \$3,349.50

Application:

Spreading: 20.3 tons x \$10.29/ton = \$208.89

Demurrage (over 2 hrs) 2 hrs x \$123.04/hr = \$246.08

Hauling:

From K. Falls To Grants Pass 20.3 tons x \$25.55/ ton = \$518.67

Beyond Destin:(45 mph) 30 mi x \$0.21/ton-Mile x 20.3 tons = \$127.89

Beyond Destin:(25 mph) 5 mi x \$0.38/ton-Mile x 20.3 tons = \$38.57

(7.3G) Total \$5,408.53

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of All Roads and Projects

T.S. Update 04/15/10

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Prepared by: DL Ph: 471-6601 Print Date: 7/28/2010 5:18:27 PM

Construction: 0.00 sta (Surfaced 0.00 sta Natural 0.00 sta)

Improve: 29.04 sta Renov: 836.89 sta Decom: 0.00 sta Temp: 0.00 sta

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing: 0.0 sta Grubbing: 0.0 acres	
Slash Treatment: 0.0 acres	
300 Excavation:	\$0.00
Haul: 0 sta-yds	
400 Drainage:	\$1,661.58
Culvert: 40 lf wt = 600 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$10,995.01
Blading 6.35 mi	
Surfacing:	\$1,254.00
1200 Quarry Name: Commercial 50 cy	
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.9 acres	\$472.13
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$27,340.08
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$1,804.47 Surf. \$0.00.....	\$1,804.47
Quarry Development:	\$0.00

Total: 2,747 mbf @ \$15.85/mbf = \$43,527.26

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

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ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-13 Road Name:

Road Renovation: 0.90 mi 17 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$523.65
Blading 0.50 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$52.46
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$3,619.36
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$181.45 Surf. \$0.00.....	\$181.45
Quarry Development:	\$0.00
Total:	\$4,376.91

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-13 Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: \$459.60/mi x 0.50 mi = \$229.80

Pull Ditches: \$153.20/mi x 0.20 mi = \$30.64

Clean Culverts: \$292.45/mi x 0.90 mi = \$263.21

Subtotal: \$523.65

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$524.59/acre x 0.10 acres = \$52.46

Includes Small Quantity Factor of 1.55

Subtotal: \$52.46

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Daylighting/chipping

Chain Saw 16 hr x \$35.57/hr = \$569.12

Brush Chipper(to 16in log) 16 hr x \$66.43/hr = \$1,062.88

Brush Mower (8ft) 16 hr x \$51.87/hr = \$829.92

General Laborer 24 hr x \$31.56/hr = \$757.44

stump grinding/removal 8 hr x \$50.00/hr = \$400.00

Subtotal: \$3,619.36

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 10.06% of total Costs = \$181.45

Road Number: 33-7-13 Continued

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$181.45

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$4,376.91

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-13.4 Road Name:

Road Renovation: 0.47 mi 17 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$137.45
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$52.46
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$602.24
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$34.26 Surf. \$0.00.....	\$34.26
Quarry Development:	\$0.00
Total:	\$826.41

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-13.4 Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Clean Culverts: $\$292.45/\text{mi} \times 0.47 \text{ mi} = \137.45

Subtotal: \$137.45

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$524.59/\text{acre} \times 0.10 \text{ acres} = \52.46

Includes Small Quantity Factor of 1.55

Subtotal: \$52.46

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

Roadside Brushing

Brush Mower (8ft) 4 hr x \$51.87/hr = \$207.48

General Laborer 8 hr x \$31.56/hr = \$252.48

Chain Saw 4 hr x \$35.57/hr = \$142.28

Subtotal: \$602.24

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 1.90% of total Costs = \$34.26

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$34.26

Road Number: 33-7-13.4 Continued

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$826.41

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-13.5 Road Name:

Road Renovation: 3.40 mi 17 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$2,449.73
Blading 2.50 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$52.46
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$5,207.76
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$333.45 Surf. \$0.00.....	\$333.45
Quarry Development:	\$0.00
Total:	\$8,043.40

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-13.5 Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: \$459.60/mi x 2.50 mi = \$1,149.00

Pull Ditches: \$153.20/mi x 2.00 mi = \$306.40

Clean Culverts: \$292.45/mi x 3.40 mi = \$994.33

Subtotal: \$2,449.73

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$524.59/acre x 0.10 acres = \$52.46

Includes Small Quantity Factor of 1.55

Subtotal: \$52.46

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

Roadside brushing/chipping

General Laborer 48 hr x \$31.56/hr = \$1,514.88

Brush Chipper(to 16in log) 24 hr x \$66.43/hr = \$1,594.32

Chain Saw 24 hr x \$35.57/hr = \$853.68

Brush Mower (8ft) 24 hr x \$51.87/hr = \$1,244.88

Subtotal: \$5,207.76

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 18.48% of total Costs = \$333.45

Road Number: 33-7-13.5 Continued

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$333.45

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$8,043.40

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-13.6 A Road Name:

Road Renovation: 0.89 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$321.56
Blading 0.10 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$52.46
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$0.00
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$16.18 Surf. \$0.00.....	\$16.18
Quarry Development:	\$0.00
Total:	\$390.20

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-13.6 A Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$459.60/\text{mi} \times 0.10 \text{ mi} = \45.96

Pull Ditches: $\$153.20/\text{mi} \times 0.10 \text{ mi} = \15.32

Clean Culverts: $\$292.45/\text{mi} \times 0.89 \text{ mi} = \260.28

Subtotal: \$321.56

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$524.59/\text{acre} \times 0.10 \text{ acres} = \52.46

Includes Small Quantity Factor of 1.55

Subtotal: \$52.46

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 0.90% of total Costs = \$16.18

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$16.18

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Road Number: 33-7-13.6 A Continued

Total: \$390.20

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-13.6 B Road Name:

Road Improvement: 0.55 mi 16 ft Subgrade 0 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$964.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$52.46
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$1,735.92
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$119.04 Surf. \$0.00.....	\$119.04
Quarry Development:	\$0.00
Total:	\$2,871.42

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-13.6 B Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Road reconstruction

Cat renovation using : D6 8 hr x \$120.50/hr = \$964.00

Subtotal: \$964.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$524.59/acre x 0.10 acres = \$52.46

Includes Small Quantity Factor of 1.55

Subtotal: \$52.46

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside brush/chip

General Laborer 16 hr x \$31.56/hr = \$504.96

Brush Chipper(to 16in log) 8 hr x \$66.43/hr = \$531.44

Chain Saw 8 hr x \$35.57/hr = \$284.56

Brush Mower (8ft) 8 hr x \$51.87/hr = \$414.96

Subtotal: \$1,735.92

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 6.60% of total Costs = \$119.04

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$119.04

Road Number: 33-7-13.6 B Continued

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$2,871.42

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-13.7 Road Name:

Road Renovation: 3.20 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$1,605.28
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$52.46
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$1,505.60
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$136.81 Surf. \$0.00.....	\$136.81
Quarry Development:	\$0.00
Total:	\$3,300.15

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-13.7 Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Clean Culverts: $\$292.45/\text{mi} \times 3.20 \text{ mi} = \935.84

Clean road and ditches

Backhoe 30 in 8 hr $\times \$83.68/\text{hr} = \669.44

Subtotal: \$1,605.28

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$524.59/\text{acre} \times 0.10 \text{ acres} = \52.46

Includes Small Quantity Factor of 1.55

Subtotal: \$52.46

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Comment: Brush out corners and blind spots. Do not chip.

Brushing width Left: 4ft. Right: 4ft.

Brush corners and blind spots/No Chip

General Laborer 20 hr $\times \$31.56/\text{hr} = \631.20

Chain Saw and Pole Saw 10 hr $\times \$35.57/\text{hr} = \355.70

Brush Mower (8ft) (Brush approx. 1.5 miles)

10 hr $\times \$51.87/\text{hr} = \518.70

Subtotal: \$1,505.60

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Road Number: 33-7-13.7 Continued

Construction - 7.58% of total Costs = \$136.81

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$136.81

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$3,300.15

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-2.1 Road Name:

Road Renovation: 2.57 mi 17 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$1,709.10
Blading 1.25 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$52.46
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$4,545.92
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$272.79 Surf. \$0.00.....	\$272.79
Quarry Development:	\$0.00
Total:	\$6,580.27

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-2.1 Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Comment: Blade out all Potholes

Blading: $\$459.60/\text{mi} \times 1.25 \text{ mi} = \574.50

Scarification: $\$766.01/\text{mi} \times 0.25 \text{ mi} = \191.50

Pull Ditches: $\$153.20/\text{mi} \times 1.25 \text{ mi} = \191.50

Clean Culverts: $\$292.45/\text{mi} \times 2.57 \text{ mi} = \751.60

Subtotal: \$1,709.10

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: $\$524.59/\text{acre} \times 0.10 \text{ acres} = \52.46

Includes Small Quantity Factor of 1.55

Subtotal: \$52.46

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

Roadside brushing/chipping

Brush Chipper(to 16in log) 16 hr x $\$66.43/\text{hr} = \$1,062.88$

Chain Saw 32 hr x $\$35.57/\text{hr} = \$1,138.24$

Brush Mower (8ft) 16 hr x $\$51.87/\text{hr} = \829.92

General Laborer 48 hr x $\$31.56/\text{hr} = \$1,514.88$

Subtotal: \$4,545.92

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Road Number: 33-7-2.1 Continued

Mobilization:

Construction - 15.12% of total Costs = \$272.79

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$272.79

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$6,580.27

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-35 Road Name:

Road Renovation: 1.95 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$1,259.68
Blading 0.50 mi	
Surfacing:	\$752.40
1200 Quarry Name: Commercial 30 cy	
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$52.46
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$3,566.32
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$243.53 Surf. \$0.00.....	\$243.53
Quarry Development:	\$0.00
Total:	\$5,874.39

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-35 Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Comment: Scarification for pot hole removal only

Blading: \$459.60/mi x 0.50 mi = \$229.80

Scarification: \$766.01/mi x 0.50 mi = \$383.01

Pull Ditches: \$153.20/mi x 0.50 mi = \$76.60

Clean Culverts: \$292.45/mi x 1.95 mi = \$570.28

Subtotal: \$1,259.68

Section 1200 Crushed under 1 1/2 Quarry Name: Commercial

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
									30cy

Rock Volume = 30cy

Production: \$9.08/cy x 30cy = \$272.40

Royalty: \$16.00/cy x 30cy = \$480.00

Subtotal: \$752.40

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$524.59/acre x 0.10 acres = \$52.46

Includes Small Quantity Factor of 1.55

Subtotal: \$52.46

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside brush/chip

General Laborer 20 hr x \$31.56/hr = \$631.20

Brush Chipper(to 16in log) 20 hr x \$66.43/hr = \$1,328.60

Chain Saw/pole saw 16 hr x \$35.57/hr = \$569.12

Brush Mower (8ft) 20 hr x \$51.87/hr = \$1,037.40

Subtotal: \$3,566.32

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Road Number: 33-7-35 Continued

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 13.50% of total Costs = \$243.53

Surfacing - 60.00% by rock volume = \$0.00

Subtotal: \$243.53

Quarry Development:

Based on 60.00% of total rock volume

Subtotal: \$0.00

Total: \$5,874.39

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-36 A&B Road Name:

Road Renovation: 1.70 mi 17 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$272.62
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$1,492.97
Blading 1.00 mi	
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$26.23
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$2,966.88
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$205.81 Surf. \$0.00.....	\$205.81
Quarry Development:	\$0.00
Total:	\$4,964.51

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-36 A&B Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Elbows 18 inch 1 ea x \$185.90/ea = \$185.90

Field Cuts 18 inch 1 ea x \$86.72/ea = \$86.72

Subtotal: \$272.62

Section 500 Renovation:

Blading: \$459.60/mi x 1.00 mi = \$459.60

Scarification: \$766.01/mi x 0.50 mi = \$383.01

Pull Ditches: \$153.20/mi x 1.00 mi = \$153.20

Clean Culverts: \$292.45/mi x 1.70 mi = \$497.17

Subtotal: \$1,492.97

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$524.59/acre x 0.05 acres = \$26.23

Includes Small Quantity Factor of 1.55

Subtotal: \$26.23

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside brush/chip

General Laborer 16 hr x \$31.56/hr = \$504.96

Chain Saw 16 hr x \$35.57/hr = \$569.12

Brush Chipper(to 16in log) 16 hr x \$66.43/hr = \$1,062.88

Brush Mower (8ft) 16 hr x \$51.87/hr = \$829.92

Subtotal: \$2,966.88

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Road Number: 33-7-36 A&B Continued

Mobilization:

Construction - 11.41% of total Costs = \$205.81

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$205.81

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$4,964.51

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number: 33-7-36 C Road Name:

Road Renovation: 0.77 mi 17 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$1,388.96
Culvert: 40 lf wt = 600 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$531.59
Blading 0.50 mi	
Surfacing:	\$501.60
1200 Quarry Name: Commercial 20 cy	
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.1 acres	\$26.23
Includes Small Quantity Factor of 1.55	
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.0 acres	\$3,590.08
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$261.16 Surf. \$0.00.....	\$261.16
Quarry Development:	\$0.00
Total:	\$6,299.61

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 33-7-36 C Road Name:

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Aluminized 18 inch 16 ga 40 lf x \$25.45/lf x 1.2 = \$1,221.60

Create catchbasin & outlet ditch for CSP M.P. 2.47

Backhoe 30 in 2 hr x \$83.68/hr = \$167.36

Subtotal: \$1,388.96

Section 500 Renovation:

Blading: \$459.60/mi x 0.50 mi = \$229.80

Pull Ditches: \$153.20/mi x 0.50 mi = \$76.60

Clean Culverts: \$292.45/mi x 0.77 mi = \$225.19

Subtotal: \$531.59

Section 1200 Crushed under 1 1/2 Quarry Name: Commercial

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
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20cy

Rock Volume = 20cy

Production: \$9.08/cy x 20cy = \$181.60

Royalty: \$16.00/cy x 20cy = \$320.00

Subtotal: \$501.60

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$524.59/acre x 0.05 acres = \$26.23

Includes Small Quantity Factor of 1.55

Subtotal: \$26.23

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Daylighting/chipping

General Laborer 36 hr x \$31.56/hr = \$1,136.16

Chain Saw 12 hr x \$35.57/hr = \$426.84

Brush Chipper(to 16in log) 12 hr x \$66.43/hr = \$797.16

Brush Mower (8ft) 16 hr x \$51.87/hr = \$829.92

Stump ginding/removal 8 hr x \$50.00/hr = \$400.00

Subtotal: \$3,590.08

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 14.47% of total Costs = \$261.16

Surfacing - 40.00% by rock volume = \$0.00

Subtotal: \$261.16

Quarry Development:

Based on 40.00% of total rock volume

Subtotal: \$0.00

Total: \$6,299.61

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mobilization Costs - Construction and Surfacing

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Average Mobilization distance = 40 miles Factor = 0.83

Mobilization: Construction

Fire Equipment: 1 ea x (0.83 x \$126.00/ea + 4 mi x \$3.36/mi)= \$118.02
Graders-all: 1 ea x (0.83 x \$335.00/ea + 4 mi x \$11.99/mi)= \$326.01
Brush Cutter: 1 ea x (0.83 x \$335.00/ea) = \$278.05
RTBackhoes 24/30: 1 ea x (0.83 x \$335.00/ea + 4 mi x \$5.58/mi)= \$300.37
Tractors <= D7: 1 ea x (0.83 x \$492.00/ea + 0 mi x \$30.48/mi)= \$408.36
Dump Truck >10cy: 1 ea x (0.83 x \$214.00/ea + 2 mi x \$4.29/mi)= \$186.20
Water Truck: 1 ea x (0.83 x \$206.00/ea + 4 mi x \$4.12/mi)= \$187.46

Subtotal: \$1,804.47

Mobilization: Surfacing

Subtotal: \$0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of Construction Quantities

T.S. Contract Name: Wolf Pup Sale Date: 09/16/10

Road Number	Const	Improv	Renov	Decomm	Temp
33-7-13			47.52		
33-7-13.4			24.82		
33-7-13.5			179.52		
33-7-13.6 A			46.99		
33-7-13.6 B		29.04			
33-7-13.7			168.96		
33-7-2.1			135.70		
33-7-35			102.96		
33-7-36 A&B			89.76		
33-7-36 C			40.66		

Total Sta:		29.04	836.89		
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200 Clearing and Grubbing	Clearing stations	Grubbing acres	Slash acres
Totals:	0.00	0.0	0.0

300 Excavation	Excav C.Y.s	Haul sta-yds
Totals:	0	0

400 Drainage

33-7-36 C	Aluminized	18 inch	16 ga	40 lf
33-7-36 A&B	Elbows	18 inch	1 ea	
33-7-36 A&B	Field Cuts	18 inch	1 ea	
Create catchbasin & outlet ditch for CSP M.P. 2.47				
33-7-36 C	Backhoe 30 in			2 hr

500 Renovation	Miles	Slide cy
33-7-13	0.50	0
33-7-13.5	2.50	0
33-7-13.6 A	0.10	0
33-7-2.1	1.25	0
33-7-35	0.50	0
33-7-36 A&B	1.00	0
33-7-36 C	0.50	0
Totals:	6.35	0

Road reconstruction

33-7-13.6 B	Cat renovation using : D6	8 hr
Clean road and ditches		
33-7-13.7	Backhoe 30 in	8 hr

Surfacing (Cubic Yards)

Quarry Name: Commercial
1200 Crushed under 1 1/2

	Roadway	Turnouts	Other	
33-7-36 C	0	0	20	20
33-7-35	0	0	30	30

Continuation of Construction Quantities

Totals:	<u>0</u>	<u>0</u>	<u>50</u>	<u>50</u>
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1300 Geotextiles

Totals: No Quantities

1400 Slope Protection

Totals:	<u>0</u>
---------	----------

1800 Soil stabilization - acres	Dry W/O Mulch	Dry/with Mulch	Hydro Mulch
33-7-13	0.0	0.1	
33-7-13.4	0.0	0.1	
33-7-13.5	0.0	0.1	
33-7-13.6 A	0.0	0.1	
33-7-13.6 B	0.0	0.1	
33-7-13.7	0.0	0.1	
33-7-2.1	0.0	0.1	
33-7-35	0.0	0.1	
33-7-36 A&B	0.0	0.1	
33-7-36 C	0.0	0.1	

Totals:	<u>0.0</u>	<u>0.9</u>	<u>0.0</u>
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Small Quantity Factor of 1.60 used

1900 Cattleguards

Totals: No Quantities

2100 RoadSide Brushing acres

Totals:	<u>0.0</u>
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Daylighting/chipping

33-7-13	Chain Saw	16 hr
33-7-13	Brush Chipper(to 16in log)	16 hr
33-7-13	Brush Mower (8ft)	16 hr
33-7-13	General Laborer	24 hr
33-7-13	stump grinding/removal	8 hr

Roadside Brushing

33-7-13.4	Brush Mower (8ft)	4 hr
33-7-13.4	General Laborer	8 hr
33-7-13.4	Chain Saw	4 hr

Roadside brushing/chipping

33-7-13.5	General Laborer	48 hr
33-7-13.5	Brush Chipper(to 16in log)	24 hr
33-7-13.5	Chain Saw	24 hr
33-7-13.5	Brush Mower (8ft)	24 hr

Roadside brush/chip

33-7-13.6 B	General Laborer	16 hr
33-7-13.6 B	Brush Chipper(to 16in log)	8 hr
33-7-13.6 B	Chain Saw	8 hr
33-7-13.6 B	Brush Mower (8ft)	8 hr

Brush corners and blind spots/No Chip

33-7-13.7	General Laborer	20 hr
33-7-13.7	Chain Saw and Pole Saw	10 hr
33-7-13.7	Brush Mower (8ft) (Brush approx. 1.5 miles)	10 hr

Continuation of Construction Quantities

Roadside brushing/chipping

33-7-2.1	Brush Chipper(to 16in log)	16 hr
33-7-2.1	Chain Saw	32 hr
33-7-2.1	Brush Mower (8ft)	16 hr
33-7-2.1	General Laborer	48 hr

Roadside brush/chip

33-7-35	General Laborer	20 hr
33-7-35	Brush Chipper(to 16in log)	20 hr
33-7-35	Chain Saw/pole saw	16 hr
33-7-35	Brush Mower (8ft)	20 hr

Roadside brush/chip

33-7-36 A&B	General Laborer	16 hr
33-7-36 A&B	Chain Saw	16 hr
33-7-36 A&B	Brush Chipper(to 16in log)	16 hr
33-7-36 A&B	Brush Mower (8ft)	16 hr

Daylighting/chipping

33-7-36 C	General Laborer	36 hr
33-7-36 C	Chain Saw	12 hr
33-7-36 C	Brush Chipper(to 16in log)	12 hr
33-7-36 C	Brush Mower (8ft)	16 hr
33-7-36 C	Stump ginding/removal	8 hr

2200 Surface Treatment	tons	L.F.
Totals:	No Quantities	

2300 Engineering	stations
Totals:	<u>0.00</u>

2400 Minor Concrete	
Totals:	No Quantities

2500 Gabions	
Totals:	No Quantities

8000 Miscellaneous	
Totals:	No Quantities

SELECTION CRITERIA- DESIGNATION BY PRESCRIPTION EXHIBIT E

The Selection Criteria Shown below shall be used by the Purchaser in determining which trees are to be retained and which trees are to cut and removed.

UNITS 10-1 (46 AC), 15-2 (25 AC), 11-1 (37 AC), 13-1 (26 AC), 13-2 (8 AC), 13-5 (14 AC), 26-2 (15 AC), 35-12 (14 AC):

Treatment Objectives: Increase/maintain conifer growth rates while capturing the value of wood volume in excess conifers. Maintenance of northern spotted owl habitat which includes maintenance/improvement of the vigor of retained large diameter conifers.

Prescription: Thin from below retaining a minimum **sixty (60) percent canopy cover** on a unit basis. This canopy cover is to be achieved by retaining: a) an average basal area per acre of **160** square feet of merchantable, 8.0 inches and greater dbh conifers; plus b) conifers less than 8.0 inches dbh; and c) hardwoods. (Conifer crown condition and lack of hardwoods and conifers less than 8.0 inches dbh may require that additional merchantable conifers be retained to meet the minimum 60% canopy requirement.) Thinning is to occur across each unit with gaps no larger than ¼ acre being created.

In determining which trees to retain to meet the required basal area per acre, the Purchaser shall make selections based on the following criteria:

- A. Retain the following conifer species regardless of size, condition or form: ponderosa pine, sugar pine, incense cedar and Pacific yew. Dominant and Co-dominant conifers of these species can count as part of the required basal area.
- B. Retain large Douglas-fir remnants that have thick, deeply-fissured bark. These trees can count as part of the required basal area.
- C. Favor dominant and co-dominant trees that have the largest diameter and height. Co-dominant trees may be cut and removed if near a dominant tree or another co-dominant that meets a greater number of selection criteria.
- D. Favor vigorous trees and those that are of good form.
- E. Favor trees with larger live crown ratios. The live crown ratio is determined by dividing the height of the tree containing a live crown by the total height of the tree.
- F. Favor trees with the least defect.
- G. In selecting between two possible trees that are of the same species and comparable form and vigor, retain the larger tree.

UNITS 35-7B (12 AC), 25-8 (8 AC):

Treatment Objectives: Increase/maintain conifer growth rates while capturing the value of wood volume in excess conifers. Maintenance of northern spotted owl habitat which includes maintenance/improvement of the vigor of retained large diameter conifers.

Prescription: Thin from below retaining a minimum **forty (40) percent canopy cover** on a unit basis. This canopy cover is to be achieved by retaining: a) an average basal area per acre of **120** square feet of merchantable, 8.0 inches and greater dbh conifers; plus b) conifers less than 8.0 inches dbh; and c) hardwoods. (Conifer crown condition and lack of hardwoods and conifers less than 8.0 inches dbh may require that additional merchantable conifers be retained to meet the minimum 40% canopy requirement.) Thinning is to occur across each unit with gaps no larger than ¼ acre being created.

In determining which trees to retain to meet the required basal area per acre, the Purchaser shall make selections based on the following criteria:

- A. Retain the following conifer species regardless of size, condition or form: ponderosa pine, sugar pine, incense cedar and Pacific yew. Dominant and Co-dominant conifers of these species can count as part of the required basal area.
- B. Retain large Douglas-fir remnants that have thick, deeply-fissured bark. These trees can count as part of the required basal area.
- C. Favor dominant and co-dominant trees that have the largest diameter and height. Co-dominant trees may be cut and removed if near a dominant tree or another co-dominant that meets a greater number of selection criteria.
- D. Favor vigorous trees and those that are of good form.
- E. Favor trees with larger live crown ratios. The live crown ratio is determined by dividing the height of the tree containing a live crown by the total height of the tree.
- F. Favor trees with the least defect.
- G. In selecting between two possible trees that are of the same species and comparable form and vigor, retain the larger tree.

ALL ABOVE UNITS (10-1, 15-2, 11-1, 13-1, 13-2, 13-5, 26-2, 35-12, 35-7B, 25-8) :

In addition to the above selection criteria:

- A. Retain all Douglas-fir marked with orange paint. These trees can count as part of the required basal area if they would be selected for retention based on the above selection criteria.
- B. Retain all unit boundary trees as identified in Section 40(A) of the contract. Unit boundary conifers can count as part of the required basal area if they would be selected for retention based on the above selection criteria.

- C. Retain all conifers less than eight (8) inches dbh. Conifers less than eight (8) dbh do not count as part of the required basal area. Intermediates can count as part of the required canopy cover.
- D. Retain hardwoods. Hardwoods do not count towards required basal area but can count as part of the required canopy cover.
- E. Retain non-hazardous snags and existing down woody debris.
- F. Some units have trees with paint from previous projects. With the exception of trees with orange paint on them, the Purchaser shall disregard any paint in the selection of trees to be retained.
- G. Treatment around Dominant and Co-dominant sugar and ponderosa pines:
Remove co-dominant and smaller Douglas-fir trees with boles that are within forty (40) feet of the bole of a dominant or co-dominant pine (around sugar pine only in unit 25-8).

UNIT 35-4 (9 AC):

- A. Cut and remove all trees marked with blue paint.
- B. Retain all unmarked conifers.
- C. Retain all hardwoods.
- D. Retain non-hazardous snags and existing down woody debris.

UNITS 33-7-13 (2 AC), 33-7-36 (2 AC):

- A. Cut and remove all trees marked with blue paint.
- B. Complete roadside clearing treatment according to the specifications found in Exhibits C8 and C11 of the contract.

PURCHASER TALLY OF MARKED TREES:

For all units except units 35-4, 33-7-13, and 33-7-36, the Purchaser shall record trees marked for retention. Marked trees shall be recorded by four (4) inch diameter class (class mid-points of 8, 12, 16, 20,...) and species.

DEFINITIONS:

Basal Area – Basal area is the total cross-sectional area (at four and a half feet above average ground level) of trees in a stand measured in square feet per acre.

BAF (Basal Area Factor) – Number of units of basal area per acre represented by each tree.

Canopy Cover – The ground area covered by the crowns of mid-story and larger trees as delimited by the vertical projection of crown perimeters expressed as a percent of total ground area. For the purposes of this contract canopy cover can not exceed 100%.

Co-dominant – Trees with crowns forming the general level of the main canopy that receive full light from above but comparatively little from the sides.

DBH– Diameter of a tree at breast height, measured at a point four and a half feet above ground level on the uphill side of the tree.

Dominant – Trees with crowns extending above the general level of the main canopy that receive full light from above and partial light from the sides.

Form (tree form) – The general shape of a tree. For this contract, good form will be defined as trees with straight boles, full crowns, small branches that are perpendicular to the bole that have pyramidal crowns (not flattened).

Intermediate – Trees with crowns either below or extending into the canopy layer formed by dominant and co-dominant trees. Intermediates receive little direct from above and none from the sides.

Remnant – Trees that have survived a disturbance(s) that removes most of the trees in the stand.

Thin from below – As applied to this contract, removal of trees in lower crown classes to release, maintain current growth rates, or maintain/improve vigor of dominant and selected co-dominant trees.

COMPLIANCE INSPECTION:

Compliance inspection of the marking will occur after tally cards are submitted to the Government and prior to the falling of trees within the unit to be inspected. Inspection will consist of the collection of sampled plot data by the Government. Non-compliance with the Prescription and/or Selection Criteria shall constitute a contract violation which may result in a suspension of operations as provided in Section 10 of the contract.

Inspections will be on a unit basis and will be made on a series of variable radius plots or fixed radius plots at the minimum rate of one plot per five acres on units greater than

twenty (20) acres. For units less than twenty (20) acres a minimum of five plots will be taken. Plots will be dispersed throughout each unit.

The following data will be collected at each plot¹:

1. Basal Area Factor.
2. Total number of potential reserve trees.
3. Number of trees on the plot that should be retained to meet the prescription.
4. Number of properly selected trees (see selection criteria) that would be retained under the Purchaser mark.
5. Estimate of canopy cover that would remain after harvest.
6. If the plot was located within forty (40) feet of the bole of a pine to cleared around.

Marking will be accepted if **all** of the following are met:

1. The average basal area of all plots taken within the unit meets the minimum required basal area for retained trees.
2. A minimum Work Quality Percentage (WQP) of ninety-five (95) percent is achieved. The WQP will be derived by dividing the number of properly selected trees to be retained by the total number of trees that should be retained.
3. The average estimate of canopy cover that would remain after harvest meets the prescription.

Falling of trees on a unit will occur only after marking has been accepted.

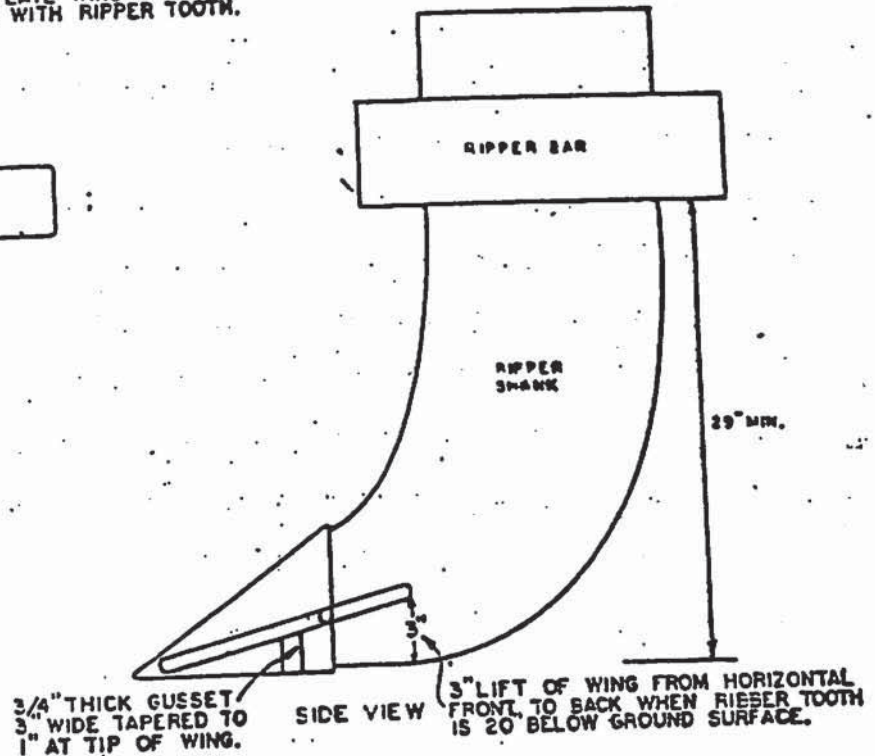
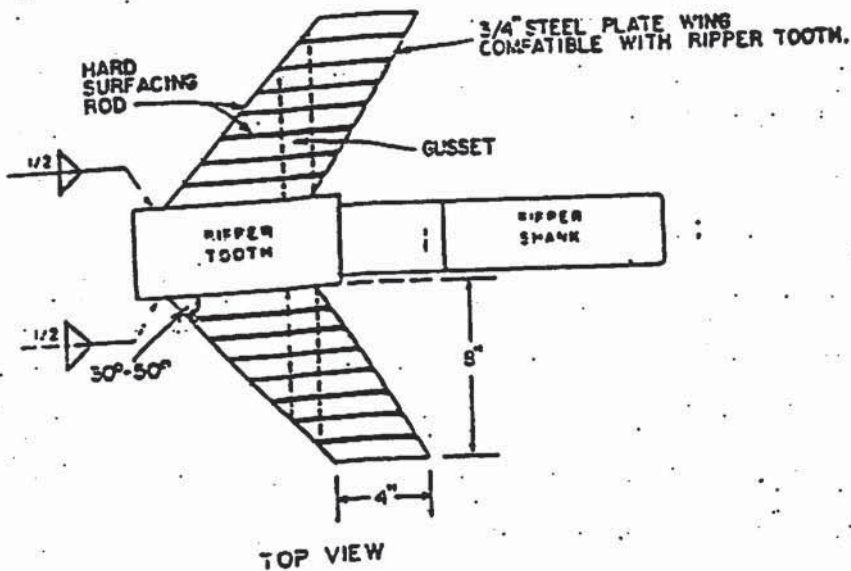
¹ Trees to be counted in the inspection are those that follow the prescription and selection criteria.

Exhibit R

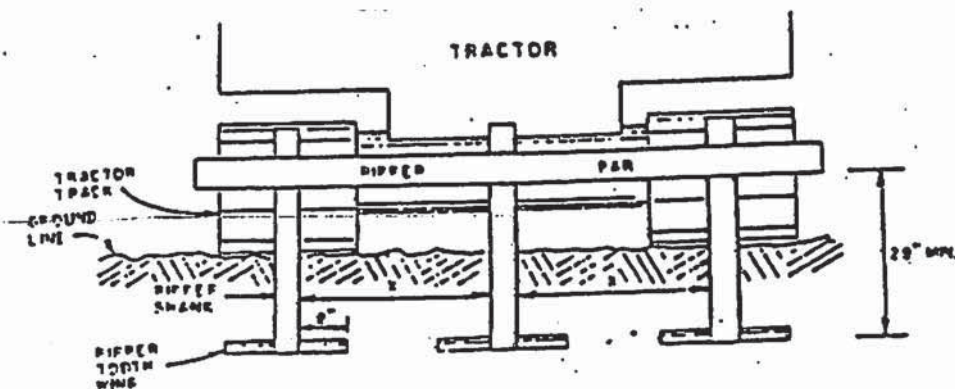
COMPACTION REDUCTION RIPPER TOOTH AND SHANK DETAILS

Tract Name: _____
Number: _____

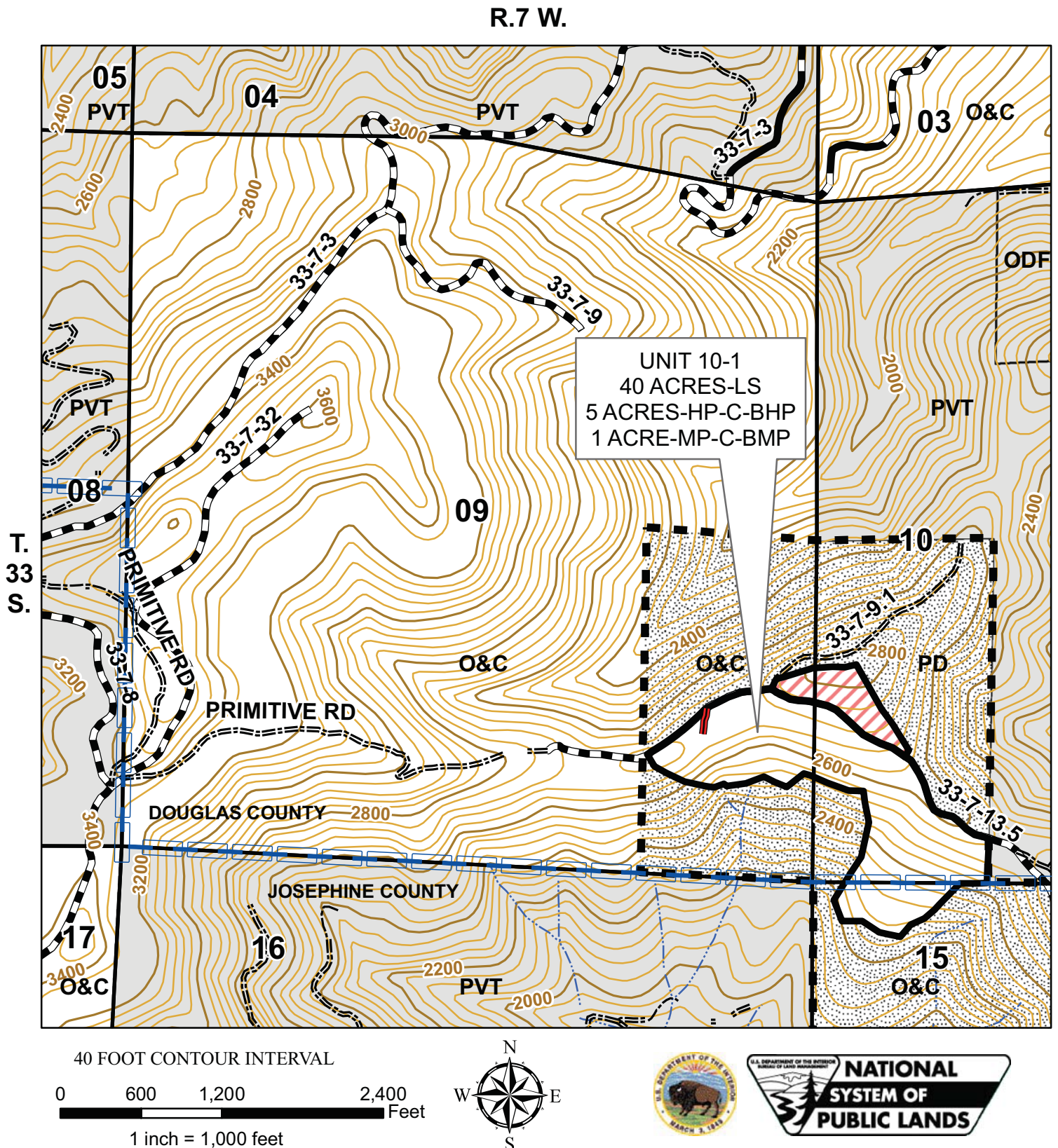
- NOTES: TYPICAL RIPPER TOOTH CONSTRUCTION
1. Use hard surfacing rod for all edge and surface reinforcement.
 2. Weld that attaches wings to ripper teeth must be compatible with metal in teeth and wings.
 3. Ripper shanks and ripper teeth may be new or used.
 4. Wings shall provide three (3) inches of lift from the horizontal when teeth are extended twenty (20) inches below the ground surface.



TYPICAL RIPPER POSITIONS



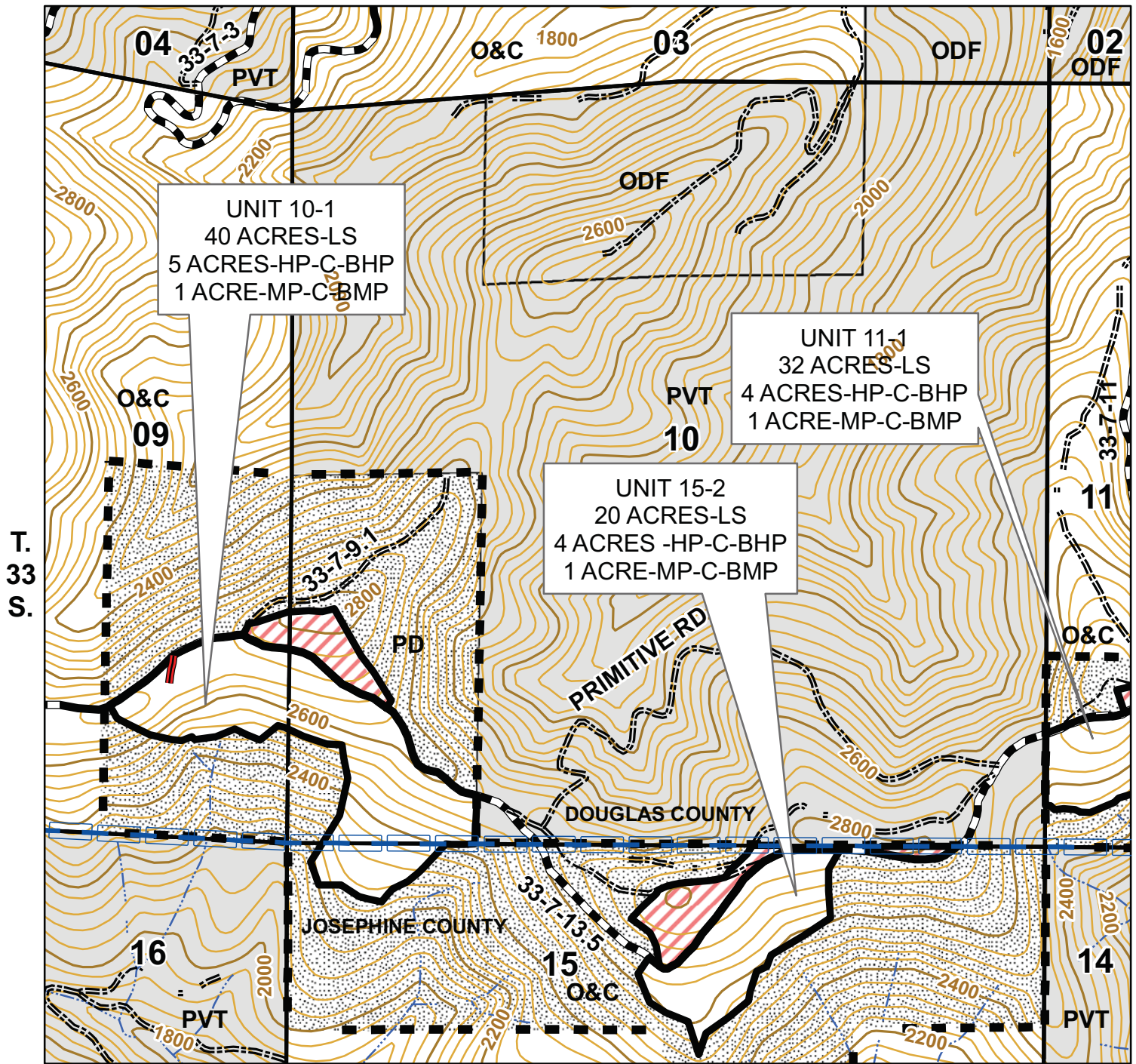
Three (3) shanks shall be equally spaced (X) behind a crawler tractor, with the outside shanks in line with the tractor tracks.



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R.7 W.



40 FOOT CONTOUR INTERVAL

0 600 1,200 2,400 Feet

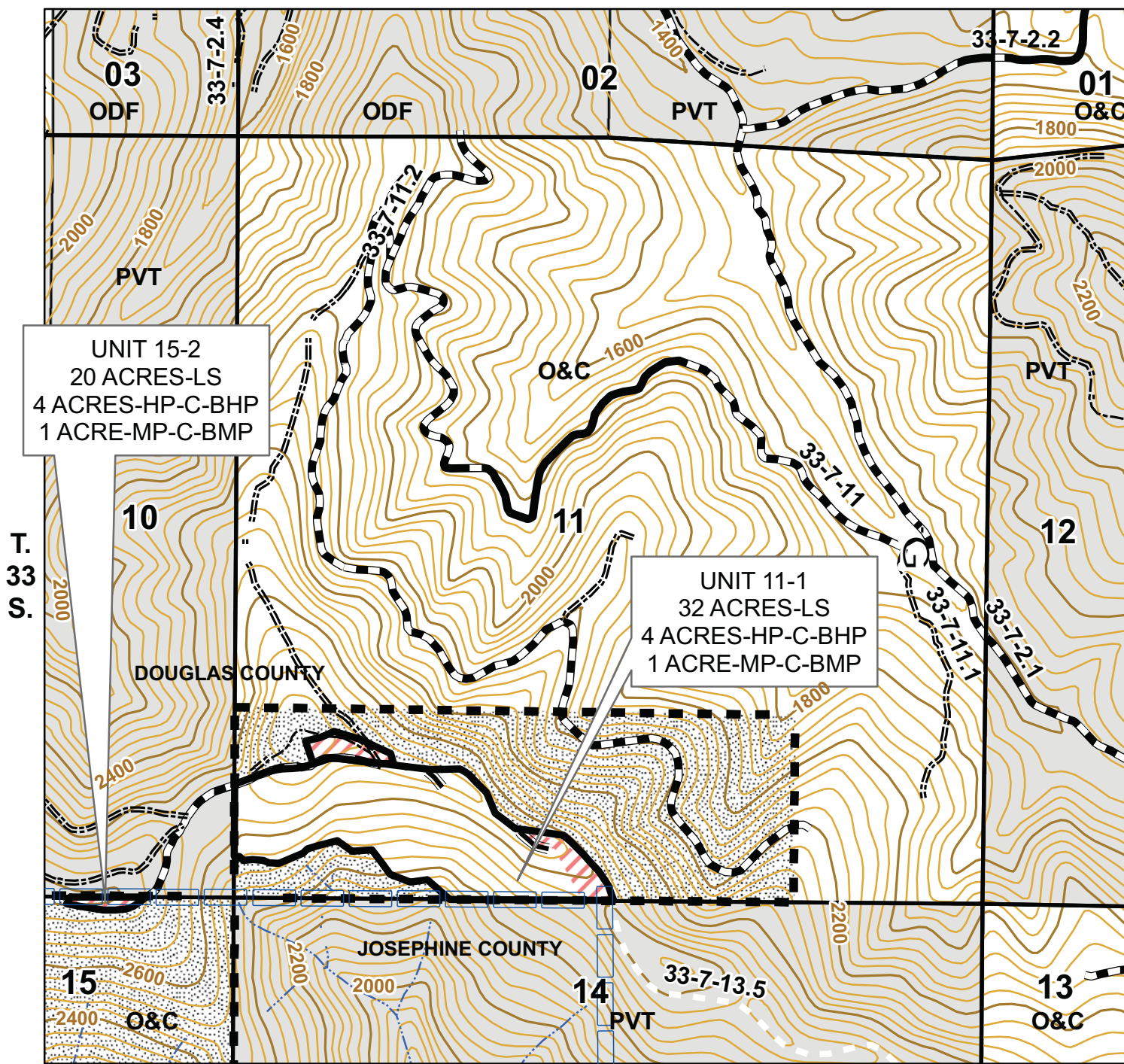
1 inch = 1,000 feet



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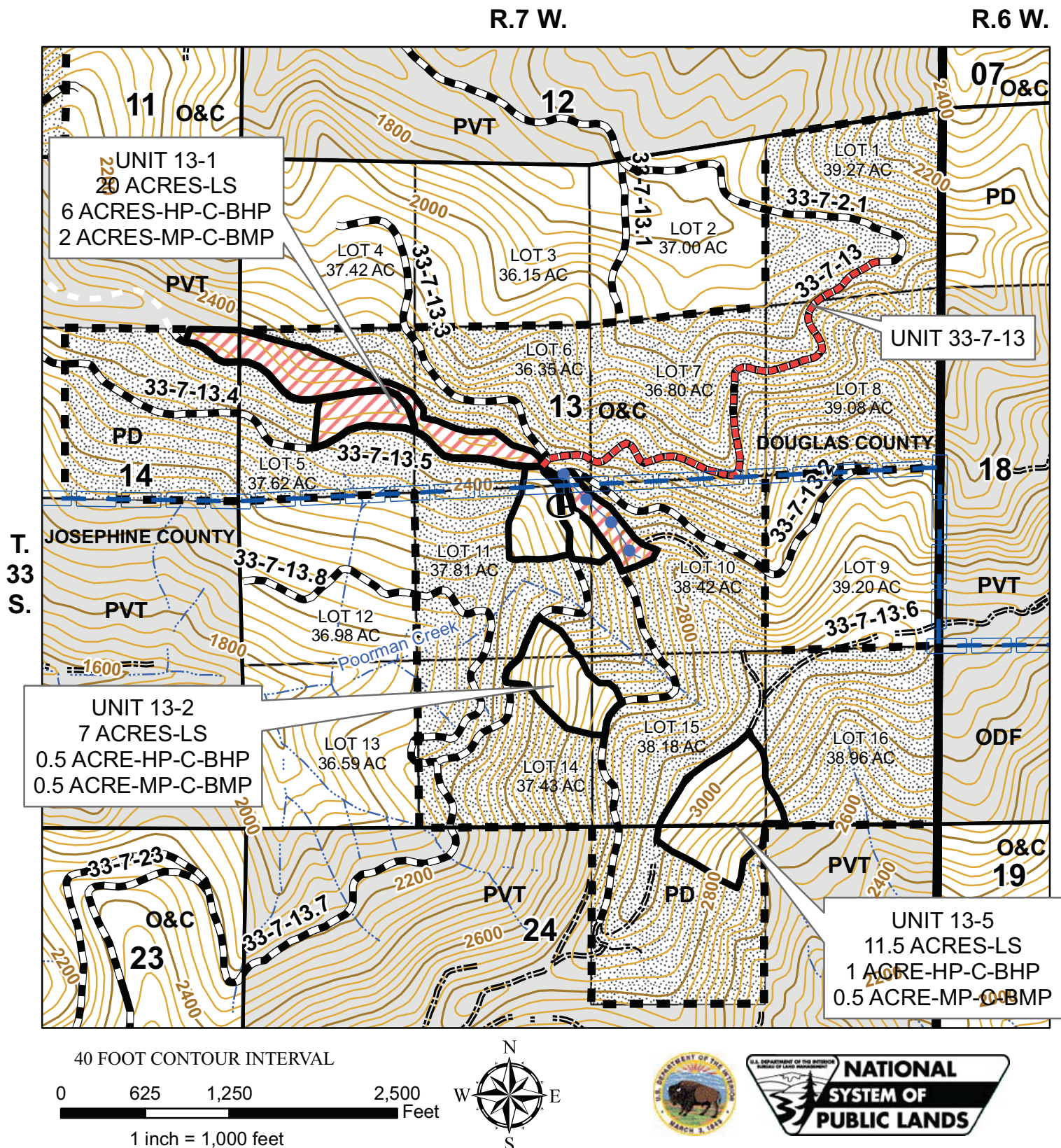
0 600 1,200 2,400 Feet

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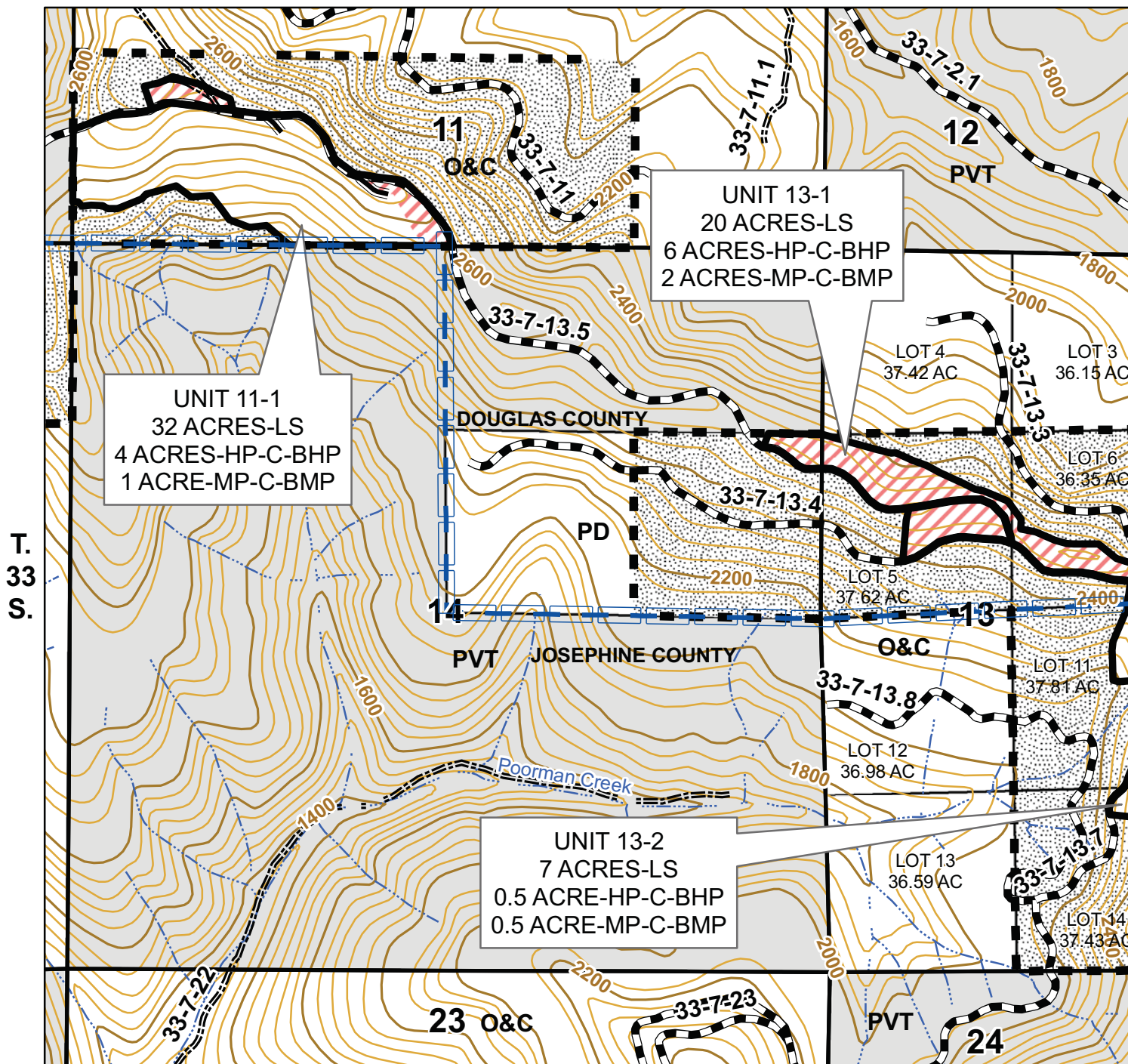
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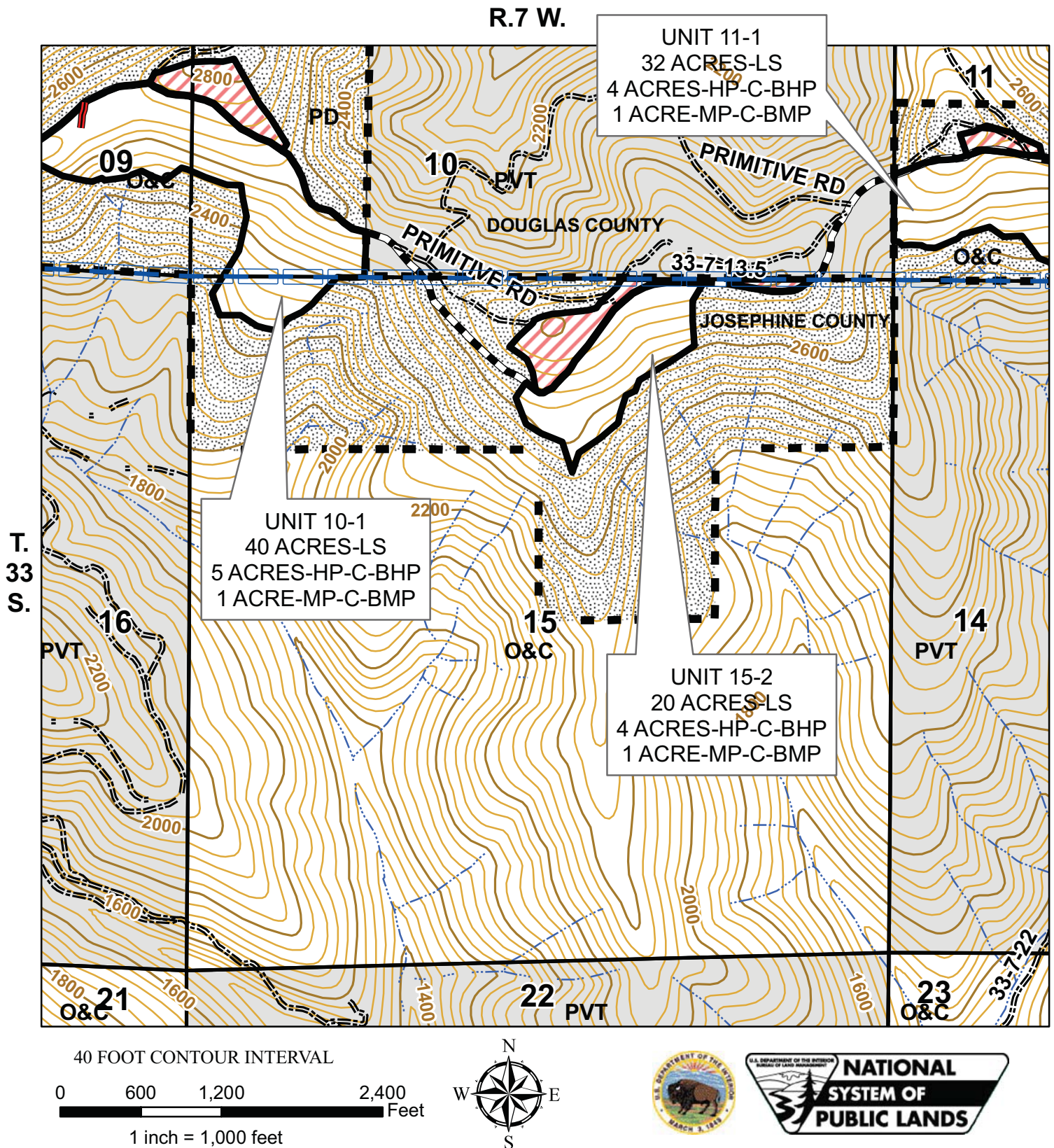
0 600 1,200 2,400 Feet

1 inch = 1,000 feet



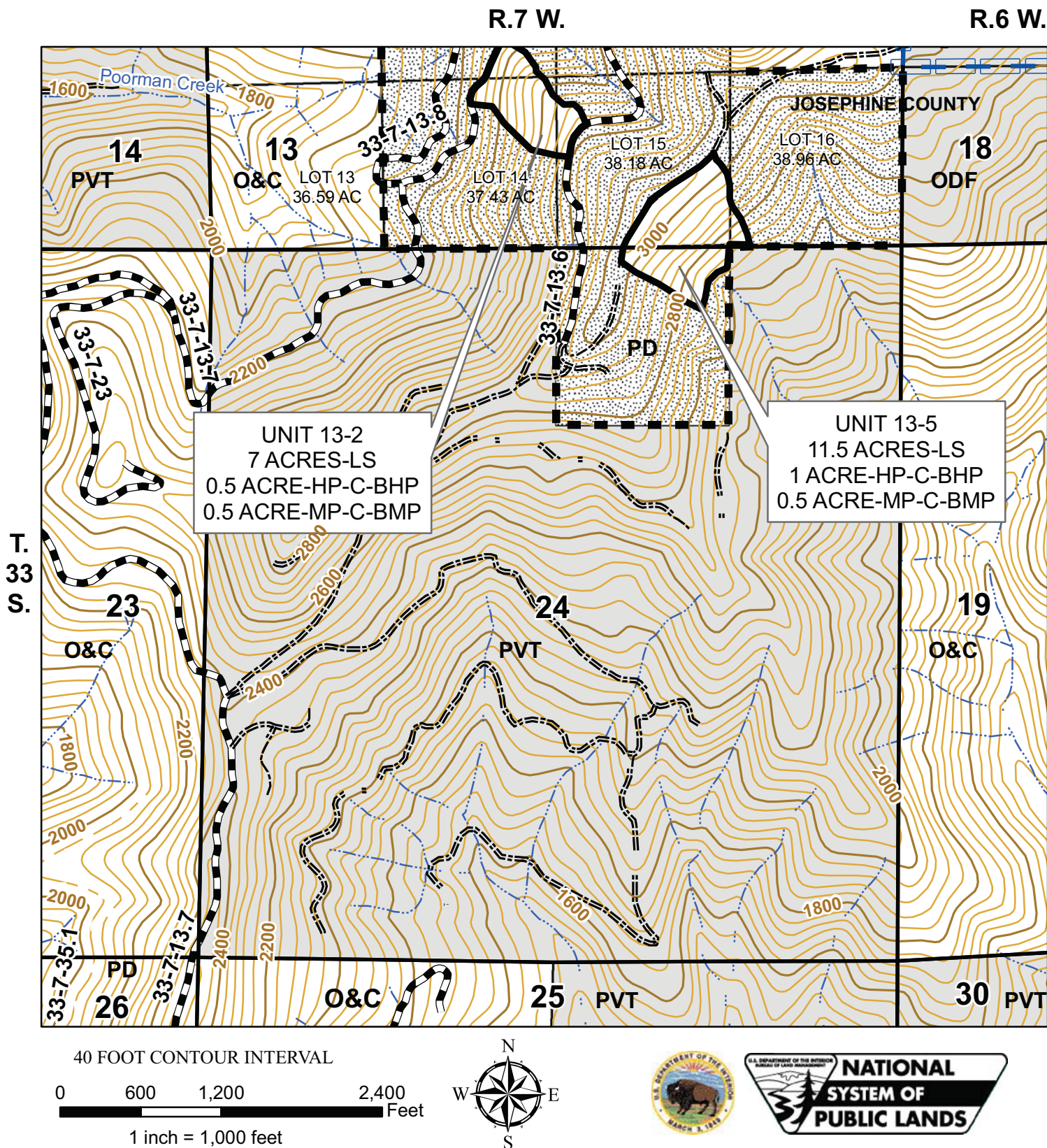
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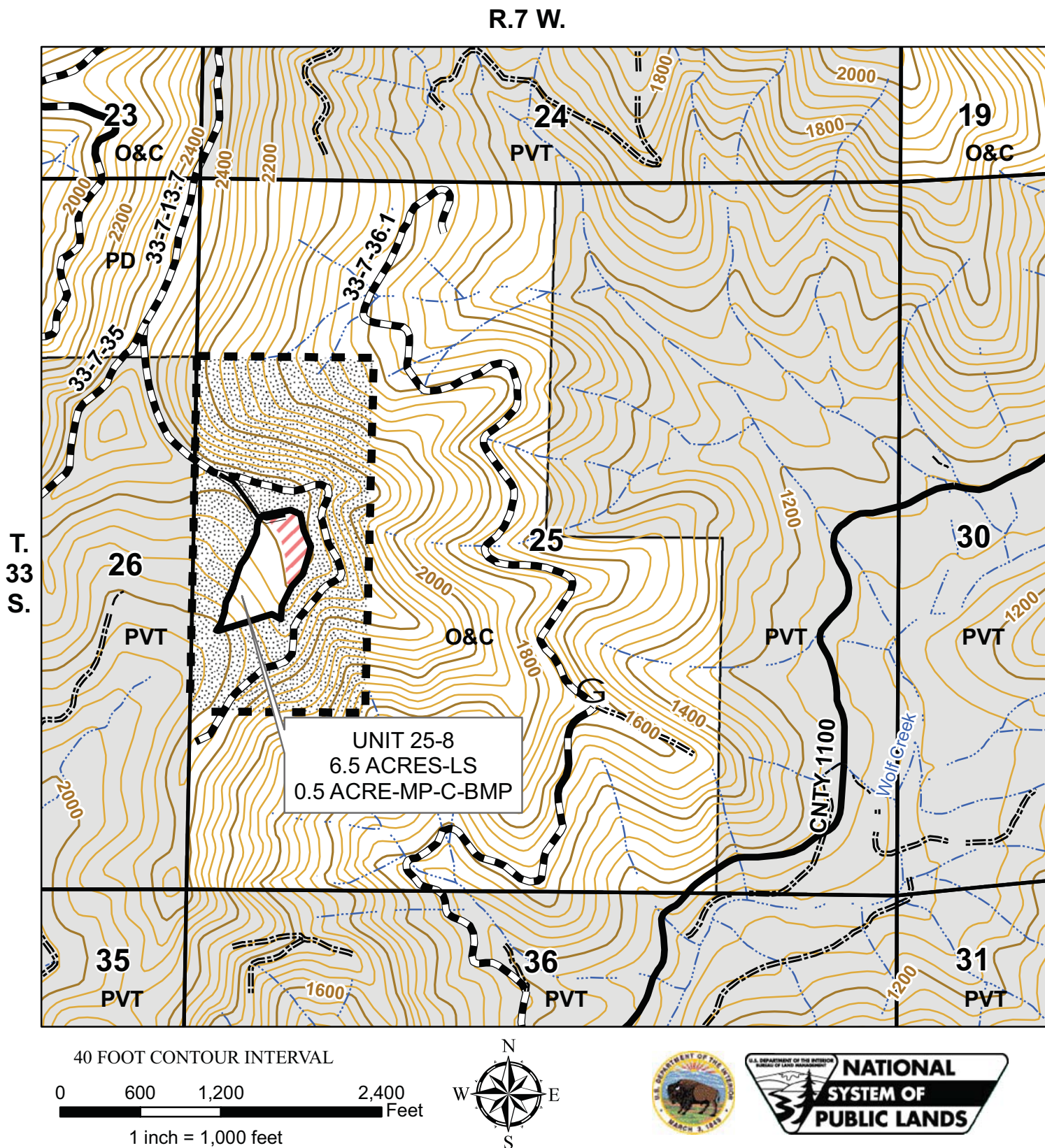
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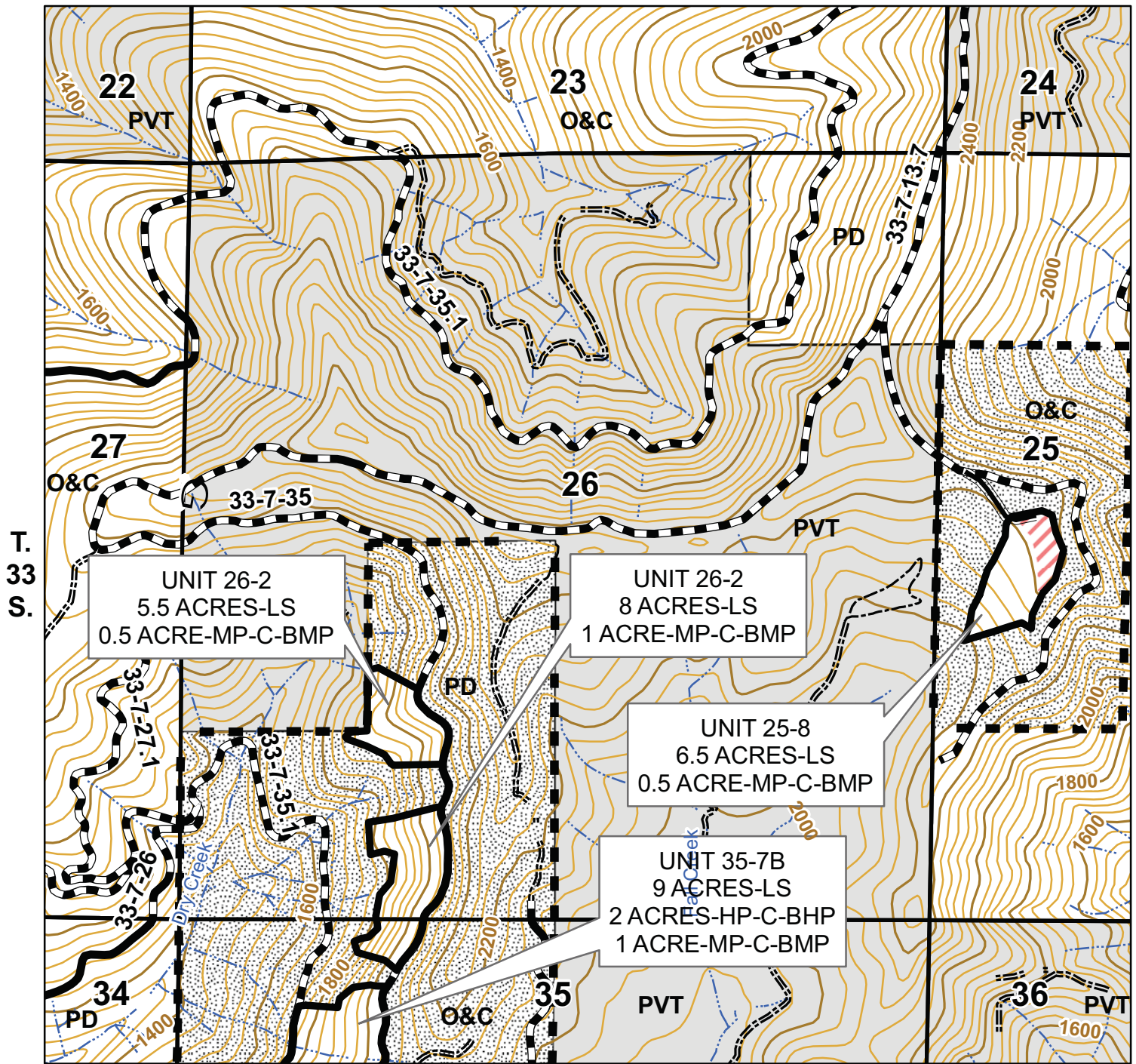


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R.7 W.



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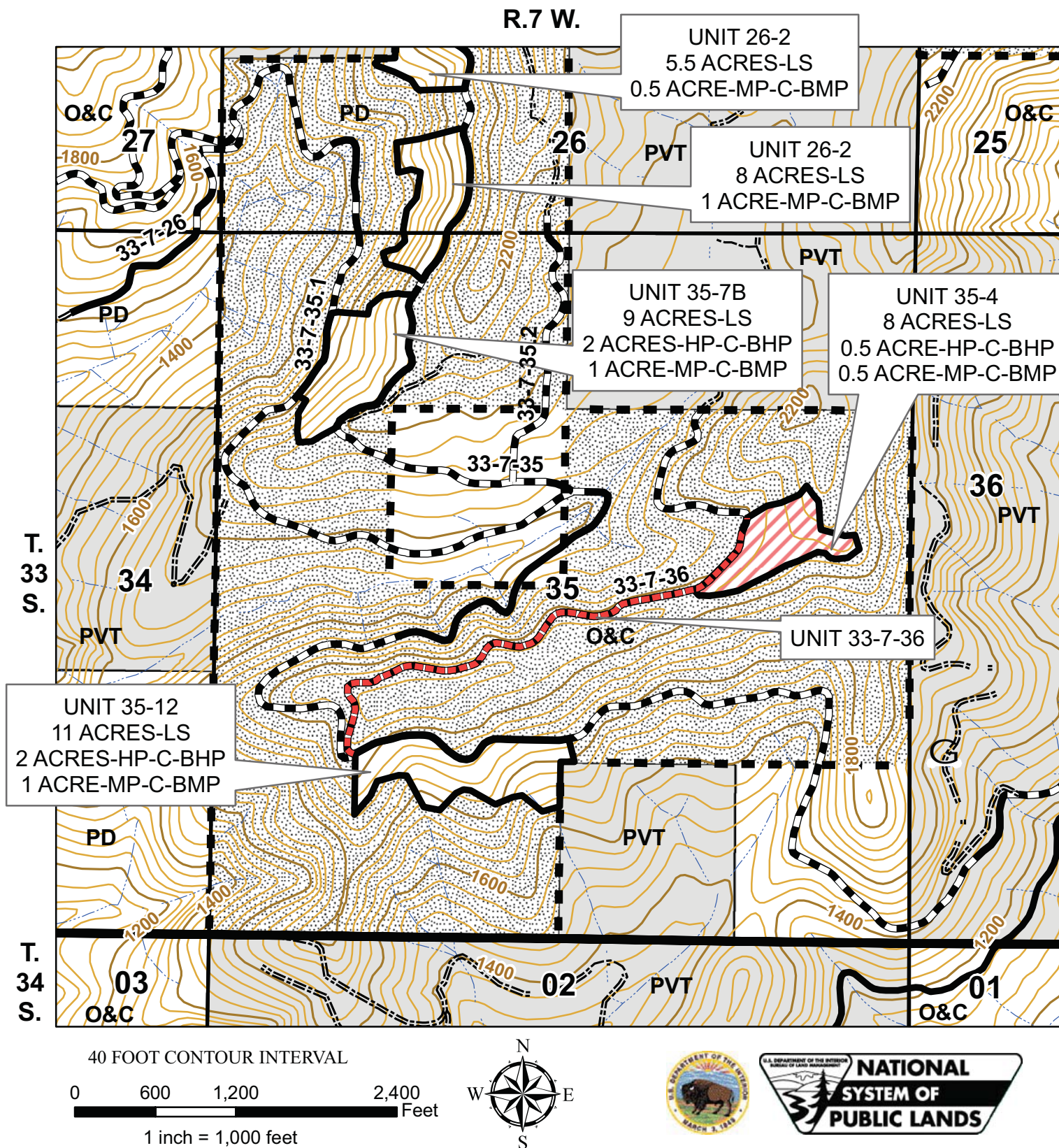
0 600 1,200 2,400 Feet

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Legend

Wolf Pup Timber Sale Unit

-  Cable
-  Tractor
-  Wolf Pup Roadside Clearing Unit
-  Temp Route Construction
-  Temp Route Renovation
-  Designated Skid Trail
-  Reserve Area
-  Contract Area Boundary

Road


-  Paved
-  Rocked
-  Natural Surface

G

Gate

 Stream

 Intermediate 40-ft contour

 Index 200-ft contour



Township_Range



Section



County Line

Ownership



BLM

O&C

BLM O&C

PD

BLM Public Domain



Non-Federal





PVT

Private

ODF

Oregon Department of Forestry

SUMMARY

LS	LOP AND SCATTER (UNITS 10-1, 11-1, 13-1, 13-2, 13-5, 15-2, 25-8, 26-2, 35-4, 35-7B, 35-12)	178.5 ACRES
HP-C-BHP	HAND PILE-COVER-BURN HAND PILES (UNITS: ALONG ROADS IN UNITS 10-1, 11-1, 13-1, 13-2, 13-5, 15-2, 25-8, 26-2, 35-4, 35-7B, 35-12)	25 ACRES
MP-C-BMP	MECHANICAL PILE-COVER-BURN MECHANICAL PILES (UNITS: ALL LANDING PILES, APPROXIMATELY 10.5 ACRES)	10.5 ACRES
	TOTAL TREATMENT AREA	214 ACRES
	TOTAL TIMBER SALE UNIT AREA	218 ACRES
	RESERVE AREA	1361.92 ACRES
	TOTAL CONTRACT AREA	1579.92 ACRES

LEGEND

UNIT	ACRES	HARVEST TYPE	LOGGING SYSTEM	FUELS TREATMENT	LEVEL	HAND PILE TREATMENT WIDTH FROM ROAD
10-1	46	CT	C/T	LS-HP-C-BHP-MP-C-BMP	L1	RD # 33-7-13.5 = 50 FEET
11-1	37	CT	C/T	LS-HP-C-BHP-MP-C-BMP	L1	RD # 33-7-13.5 = 50 FEET
13-1	26	CT	C/T	LS-HP-C-BHP-MP-C-BMP	L1	RD'S # 33-7-13.5, 33-7-13.6, 33-7-13.7 = 50 FEET RD # 33-7-13.4 = 25 FEET
13-2	8	CT	C	LS-HP-C-BHP-MP-C-BMP	L1	RD # 33-7-13.6 = 50 FEET
13-5	14	CT	C	LS-HP-C-BHP-MP-C-BMP	L1	RD # 33-7-13.6 = 50 FEET
15-2	25	CT	C/T	LS-HP-C-BHP-MP-C-BMP	L1	RD # 33-7-13.5 = 50 FEET
25-8	8	CT	C/T	LS-MP-C-BMP	L1	N/A
26-2	15	CT	C	LS-MP-C-BMP	L1	RD # 33-7-35 = 50 FEET
35-4	9	CT	T	LS-HP-C-BHP-MP-C-BMP	L1	RD # 33-7-36 = 25 FEET
35-7B	12	CT	C	LS-HP-C-BHP-MP-C-BMP	L1	RD # 33-7-35 = 50 FEET
35-12	14	CT	C	LS-HP-C-BHP-MP-C-BMP	L1	RD # 33-7-36 = 50 FEET
TOTAL	214					

* ALL ACRES COMPUTED BY GPS TRAVERSE

* BOUNDARIES OF HARVEST UNITS ARE POSTED AND PAINTED IN ORANGE

SITE PREPARATION COSTS/ACRE		
TREATMENT TYPE	DESCRIPTION	TREATMENT COST
LS	Within Unit boundaries	\$30/Acre
HP-C-BHP	From edge of road into Unit boundaries	\$400/Acre
MP-C-BMP	All landings (Estimated 1/8 acre per landing)	\$40/Acre

CT = COMMERCIAL THIN

T = TRACTOR

C = CABLE

C/T = CABLE/TRACTOR

LS = LOP AND SCATTER

HP = HAND PILE

C = COVER PILE

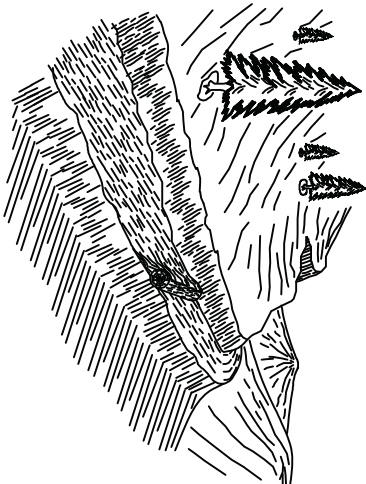
BHP = BURN HAND PILE

MP = MECHANICAL PILE

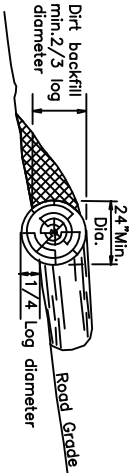
BMP = BURN MECHANICAL PILE

L1 = LEVEL ONE

N/A = NOT APPLICABLE



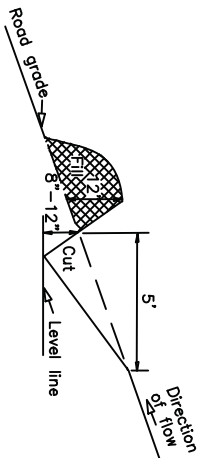
LOG BARRICADE



1. LOG BARRICADE SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL BARRICADES SHALL BE SKEWED 30 DEGREES
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE.
5. THE MINIMUM SMALL END DIAMETER OF THE LOG BARRICADE SHALL BE 24".



WATER BAR



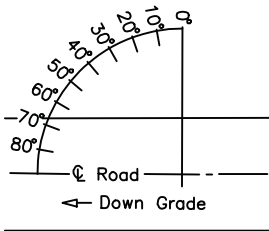
1. WATER BARS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER BARS SHALL BE SKEWED 30 DEGREES
4. UPON COMPLETION OF SKIDDING LOGS, FOR THE LOGGING SEASON, EACH SKID ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN ABOVE.
5. PRIOR TO BLOCKING, EACH ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN ABOVE.

WATER BAR SPACING *

ROAD GRADE	LOAM OR CLAY LOAM	DECOMPOSED LOAM	GRANITE
%	FEET	FEET	FEET
4-6	400	300	
7-9	300**	200**	
10-14	200	150	
15-20	150	90	
21-40	90	50	
41-60	50	25	

* DISTANCES ARE MAXIMUM.
** ON GRADES IN EXCESS OF 10% CONSTRUCT WATER BARS.

SKEW DIAGRAM



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT — MEDFORD, OREGON

**DRAINAGE & EROSION
CONTROL INSTALLATION**

DESIGNED	BLM
REVIEWED	
APPROVED	
DRAWN	DCM
DATE	October 2009
SHEET	1 OF 1
DRAWING NO.	OR-11-9113.4-8

Form 1140-4
(June 1974)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTICE OF REQUIREMENT FOR CERTIFICATION
OF NONSEGREGATED FACILITIES

Bidders and offerors are cautioned as follows: by signing this bid or offer or entering into this contract or lease, as the case may be, the bidder, offeror, or contractor will be deemed to have signed and agreed to the provisions of the Certification of Non-segregated Facilities in this solicitation. The certification provides that the bidder or offeror does not maintain or provide for his employees facilities which are segregated on a basis of race, color, religion, sex, or national origin, whether such facilities are segregated by directive or on a de facto basis. The certification also provides that he will not maintain such segregated facilities. Failure of a bidder or offeror to agree to the Certification of Nonsegregated Facilities will render his bid or offer nonresponsive to the terms of solicitations involving awards of contract exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause.

In accordance with 41 CFR 60, as amended May 19, 1967, and Executive Order No. 11246 of September 24, 1965, as amended, this notification will be included in all notices of invitations for bid, lease, offers, and requests for proposal where prospective nonexempt contracts may exceed \$10,000.

INSTRUCTIONS TO BIDDERS

1. **AUTHORITY** – Timber located on the revested Oregon and California Railroad Grant Lands and on the reconveyed Coos Bay Wagon Road Grant Lands is administered and sold pursuant to authority of the Act of August 28, 1937 (50 Stat. 874; 43 U.S.C. 1181a); timber located on other lands and other vegetative resources on all public lands of the United States under jurisdiction of the Bureau of Land Management are administered and sold pursuant to authority of the Act of July 31, 1947 (61 Stat. 681), as amended, by the Act of July 23, 1955 (69 Stat. 367; 30 U.S.C. 601 et. seq.). Regulations of the Secretary of the Interior governing sale of timber are codified in 43 CFR Group 5400.

2. **QUALIFICATIONS OF BIDDERS** – A bidder for sale of timber/vegetative resources must be either (a) a citizen of the United States, (b) a partnership composed wholly of such citizens, (c) an unincorporated association composed wholly of such citizens, or (d) a corporation authorized to transact business in the State in which the timber/vegetative resource is located.

3. **INSPECTION OF TIMBER/VEGETATIVE RESOURCES** – Bidder is invited, urged, and cautioned to inspect the timber/vegetative resource prior to submitting a bid. By executing the timber/vegetative resource sale contract, bidder warrants that the contract is accepted on the basis of his examination and inspection of the timber/vegetative resource and his opinion of its value.

4. **DISCLAIMER OF WARRANTY** – Government expressly disclaims any warranty of the fitness of the designated timber/vegetative resource for any purpose of the bidder; all timber/vegetative resources are to be sold “As Is” without any warranty of merchantability by Government. Any warranty as to the quantity or quality of timber/vegetative resource to be sold is expressly disclaimed by Government.

5. **BIDS** – Sealed or written bids for not less than the advertised appraised price, per timber/vegetative resource must be submitted in duplicate to the District Manager who issued *Timber/Vegetative Resource Sale Notice*.

(a) **Sealed Bid Sales** – Bids will be received until time for opening which is set out in the Notice. Enclose both copies of bid with required bid deposit in a sealed envelope marked on the outside *Bid for Timber/Vegetative Resource*, time bid is to be opened, tract number, and legal description of land on which timber/vegetative resource is located. In event of a tie, the high bidder shall be determined by lot from among those who submitted the tie bids.

(b) **Auction Sales** – Submission of the required bid deposit and a written bid is required to qualify for oral bidding. Oral bidding shall begin from the highest written bid. No oral bid will be considered which is not higher than the preceding bid. In the event there is a tie in high written bids, and no oral bidding occurs, the bidder who was the first to submit his bid deposit and written bid shall be declared the high bidder. If the officer conducting the sale cannot determine who made the first submission of high tie written bids, the high bidder shall be determined by lot. High bidder must confirm his bid, in writing, immediately upon being declared high bidder.

(c) Except as otherwise provided in 43 CFR 5442.2, bids will not be considered in resale of timber/vegetative resource remaining from an uncompleted contract from any person or affiliate of such person who failed to complete the original contract because of (1) cancellation for the purchaser's breach or (2) through failure to complete payment by expiration date.

(d) When it is in the interest of the Government to do so, it may reject any and all bids and may waive minor deficiencies in bids or in sale advertisement.

6. **BID FORMS** – All sealed, written bids, and confirmation of oral bids shall be submitted on forms provided by Government.

(a) **Lump Sum Sales** – Bids shall specify (1) Bureau of Land Management estimated volume, (2) price per unit, and (3) total purchase price. Estimated volume and price per unit are to be used for administrative and appraisal purposes only. Upon award of contract, high bidder shall be liable for total purchase price, including any adjustment which may be made as a result of reappraisal if an extension of time is granted, even though quantity of timber/vegetative resource actually cut, removed, or designated for taking is more or less than the estimated volume or quantity listed.

(b) **Timber Scale Sales** – Bids must state price per thousand board feet that will be paid for each species. High bidder will be determined by multiplying bid price per thousand board feet per species by Bureau of Land Management estimate of volume of each species. Purchaser shall be liable for purchase price of all merchantable timber sold under contract even though all such timber is not actually cut

and removed prior to expiration of time for cutting and removal as specified in contract.*

7. **BID DEPOSIT** – All bidders must make a deposit of not less than the amount specified in the *Timber/Vegetative Resource Notice*. Deposit may be in the form of cash, money orders, bank drafts, cashiers or certified checks made payable to the Department of the Interior – BLM, bid bonds of a corporate surety shown on the approved list of the United States Treasury Department*, or any approved guaranteed remittance approved by the Authorized Officer. Upon conclusion of bidding, the bid deposit of all bidders, except high bidder, will be returned. The cash deposit of the successful bidder may be applied toward the required sale deposit and/or the purchase price. Cash not applied to the sale deposit or the purchase price, or a corporate surety bid bond, will be returned at the time the contract is signed by the Government.

8. **AWARD OF CONTRACT** – Government may require high bidder to furnish such information as is necessary to determine the ability of bidder to perform the obligation of contract. Contract will be awarded to high bidder, unless he is not qualified or responsible or unless all bids are rejected. If high bidder is not qualified or responsible or fails to sign and return the contract together with required performance bond and any required payment, contract may be offered and awarded to the highest bidders qualified, responsible, and willing to accept the contract.

9. **TIMBER/VEGETATIVE RESOURCE SALE CONTRACT** – To be executed by purchaser, has been prepared by Government, and may be examined in the District Manager's office.

10. **PERFORMANCE BOND** -

(a) A performance bond in an amount of not less than 20 percent of total purchase price is required, but the amount of the bond shall not be in excess of \$500,000, except when the purchaser opts to increase the minimum bond to permit cutting prior to payment as provided in 43 CFR 5451.2, or in the event the purchaser is a holder of an unresolved default the bond may be increased as provided in 43 CFR 5450.1(b). Performance bond may be (1) bond of a corporate surety shown on approval list issued by the United States Treasury Department and executed on an approved standard form, (2) personal surety bond executed on an approved standard form if Government determines principals and bondsman are capable of carrying out the terms of the contract, (3) cash bonds, (4) negotiable securities of the United States, or (5) any guaranteed remittance approved by the Authorized Officer.

(b) If purchaser elects to cut timber without skidding or yarding it to a loading point or removing it prior to the payment of the second or subsequent installments, Government shall require an increase in amount of performance bond initially required by an amount equal to the value of timber to be cut. Such increase must be on a bond rider form supplied by Government and be approved, in writing, by Government prior to cutting timber covered by the bond increase. This increased amount of bond shall be used to assure payment for timber cut in advance of payment.*

11. **PAYMENT BOND** – If purchaser elects to (a) cut and remove timber, or (b) remove timber already cut which has been secured by an increased performance bond as provided in paragraph 10(b) above, before payment of the second or subsequent installments, Government shall require a payment bond on a form supplied by Government. Purchaser shall obtain written approval from Government of payment bond prior to cutting and/or removal of timber covered by the bond. Payment bond shall be used to assure payment for timber cut and/or removed in advance of payment.*

12. **PAYMENT OF PURCHASE PRICE** – For sales of \$500 or more, Government may allow payment by installments. Except as discussed in paragraphs 10 and 11 above, no part of any timber/vegetative resource sold may be severed, cut, or removed unless advance payment has been made as provided in contract.

13. **LIQUIDATED DAMAGES** – Within thirty (30) days from receipt of *Timber/Vegetative Resource Sale Contract*, the successful bidder shall sign contract and return it to Government, together with required bond and any required payment. If successful bidder fails to comply within the stipulated time, his bid deposit shall be retained by Government as liquidated damages.

14. **NINETY-DAY SALES** – If no bid is received within time specified in the advertisement of sale and if Government determines that there has been no significant rise in the market value of timber/vegetative resource, it may, in its discretion, keep the sale open, not to exceed ninety (90) days.

*Applies to Timber Only

15. **UNAUTHORIZED USE OF GOVERNMENT PROPERTY** – A sale may be refused to high bidder who has been notified that he has failed to make satisfactory arrangements for payment of damages resulting from unauthorized use of, or injury to, property of the United States.

16. **EQUAL OPPORTUNITY CLAUSE** – This contract is subject to the provisions of Executive Order No. 11246 of September 24, 1965, as amended, which sets forth the nondiscrimination clauses. Copies of this order may be obtained from the District Manager. 43 CFR 60-1.7(b) requires that the Equal Opportunity *Compliance Report Certification* will be completed by prospective contractors. Certification may be obtained from District Manager.

17. **LOG EXPORT** – All timber offered for sale except as noted in the *Timber Sale Notice* is restricted from export from the United States in the form of unprocessed timber and cannot be used as a substitute for exported private timber. For the purpose of this contract, unprocessed timber is defined as: (1) any logs except those of utility grade or below, such as sawlogs, peeler logs, and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three quarters (8-3/4) inches in thickness; (3) split or round bolts or other roundwood not processed to standards and specifications suitable for end product use; or (4) western

red cedar lumber which does not meet lumber of American Lumber Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 common or better. Timber manufactured into the following will be considered processed: (1) lumber and construction timbers, regardless of size, manufactured to standards and specifications suitable for end product uses; (2) chips, pulp and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacture of eight and three quarters (8-3/4) inches in thickness or less; or (6) shakes and shingles. In event purchaser wishes to sell any or all of timber restricted from export in the form of unprocessed timber, the buyer, exchanges, or recipient shall be required to comply with contractual provisions relating to “*unprocessed timber*”. Special reporting, branding and painting of logs may be included in contract provisions.*

18. **DETAILED INFORMATION** – Detailed information concerning contract provisions, bid, performance bond forms, tract location maps, and access conditions may be obtained from the District Manager. All persons interested in bidding on the products listed are encouraged to familiarize themselves with all such detailed information.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPOSIT AND BID FOR ☒ **TIMBER***
☐ **VEGETATIVE RESOURCE**
(Other Than Timber)

LUMP SUM SALE

Name of Bidder
Tract Number OR110-TS10-20
Sale Name Wolf Pup
Sale Notice (dated) August 18 th , 2010
BLM District Medford

<input type="checkbox"/> Sealed Bid for Sealed Bid Sale	<input checked="" type="checkbox"/> Written Bid for Oral Auction Sale
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In response to the above dated Sale Notice, the required deposit and bid are hereby submitted for the purchase of designated timber/vegetative resource on the tract specified above.

Required bid deposited is \$24,400.00 and is enclosed in the form of ☐ cash ☐ money order ☐ bank draft
☐ cashier's check ☐ certified check ☐ bid bond of corporate surety on approved list of the United States Treasury
☐ guaranteed remittance approved by the authorized officer.

IT IS AGREED That the bid deposit shall be retained by the United States as liquidated damages if the bid is accepted and the undersigned fails to execute and return the contract, together with any required performance bond and any required payment within 30 days after the contract is received by the successful bidder. It is understood that no bid for less than the appraised price on a unit basis per species will be considered. If the bid is rejected the deposit will be returned.

BID SCHEDULE – LUMP SUM SALE

NOTE: Bidders should carefully check computations in completing the Bid Schedule

BID SUBMITTED					ORAL BID MADE	
PRODUCT SPECIES	UNIT	ESTIMATED VOLUME OR QUANTITY	UNIT PRICE	TOTAL VALUE	UNIT PRICE	TOTAL VALUE
Douglas-fir	MBF	2747	X	=	X	=
			X	=	X	=
Total	MBF	2747	X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
TOTAL PURCHASE PRICE						

(Continued on reverse)

If sale contract is executed, undersigned is liable for total purchase price even though the quantity cut, removed, or designated for taking is more or less than the total estimated volume or quantity shown above. Undersigned certifies bid was arrived at by bidder or offeror independently, and was tendered without collusion with any other bidder or offeror. In submitting or confirming this bid, undersigned agrees to the foregoing provisions, applicable regulations, and certifies that he is authorized to act as, or on behalf of, the bidder.

Bid submitted on *(date)*

(Check appropriate box, sign in ink, and complete the following)

<input type="checkbox"/>	Signature, if firm is individually owned	Name of firm <i>(type or print)</i>
<input type="checkbox"/>	Signatures, if firm is a partnership or L.L.C.	Business address, include zip code <i>(type or print)</i>
<input type="checkbox"/>	Corporation organized under the state laws of	<i>(To be completed following oral bidding)</i>
	Signature of Authorized Corporate Signing Officer	I HEREBY confirm the above oral bid By <i>(signature)</i>
	Title	Date
Submit bid, in <i>duplicate</i> , to qualify for either an oral auction or sealed bid sale together with the required bid deposit made payable to the Department of the Interior – BLM. Oral Auction – Submit to Sales Supervisor prior to closing of qualifying period for tract.		Sealed Bid – Send to District Manager, who issued the sale notice, in a sealed envelope marked on the outside: (1) “Bid for Timber” (2) Vegetative Resource Other Than Timber (3) Time bids are to be opened (4) Legal description

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 38 FR 6280 and 43 CFR 5442.1

PURPOSE: To qualify an oral auction bidder, and then if successful, to bind bidder to certain contract conditions.

ROUTINE USE: To determine that an individual is qualified to participate in oral auction bidding, and, as surety that bidder will fulfill contract requirements.

EFFECT OF NOT PROVIDING INFORMATION: Filing this deposit and bid information is necessary only when an individual wishes to participate in a sealed or auction bid sale for timber or vegetative resources.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SELF CERTIFICATION CLAUSE
BIDDERS STATEMENT

The bidder represents that he ☐ is ☐ is not a small business concern as defined by Title 13, Chapter 1, Part 121 of the Code of Federal Regulations, as amended.

(Date)

(Signature of Bidder)

Title 18 USC, sec. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

INSTRUCTIONS

In order to qualify for a set-aside sale, all bidders *must* certify to being a small business concern by submitting an executed Self Certification Clause.

The date on the Self Certification Clause and the sale date *must be the same*.

A Self Certification Clause *must* accompany the deposit to qualify for *each* set-aside sale. After a sale award is made,

the Self Certification Clause will be immediately returned, with the deposit, to the unsuccessful bidders but may be re-submitted to qualify for other set-aside sales offered on the *same* date.

The Self Certification Clause submitted by the successful bidder will be retained by the Bureau of Land Management.