

COOS BAY SALE NO. 12-33
LOST & FOUND CT

COOS BAY DISTRICT OFFICE
MYRTLEWOOD RESOURCE AREA
SOUTH COAST

SALE DATE: May 23, 2012
SALE TIME: 10:00 a.m.

SALE NO. 12-33, LOST & FOUND CT

SET ASIDE SALE

COOS COUNTY: OREGON: CBWR & O&C: ORAL AUCTION: Bid deposit required: \$14,100.00

All timber designated for cutting on: T. 28 S., R. 9 W., Sec. 1, Lot 2, Lot 3, SW¹/₄NE¹/₄, SE¹/₄NW¹/₄, SW¹/₄, SW¹/₄SE¹/₄, Sec. 11, SW¹/₄NE¹/₄, SE¹/₄NW¹/₄, NE¹/₄SW¹/₄, W¹/₂SE¹/₄, SE¹/₄SE¹/₄, Sec. 12, SW¹/₄SW¹/₄, Will. Mer.

Approx. No. Merch. Trees	Est. Vol. MBF 32' Log	Species	Est. Vol. MBF 16' Log	Appraised Price Per MBF	Estimated Vol. Times Appraised Price
12,529	1,665	Douglas-fir	1,880	\$67.30	\$126,524.00
2,451	307	western hemlock	368	\$33.60	\$12,364.80
202	20	red alder	26	\$67.50	\$1,755.00
15,182	1,992	Total	2,274		\$140,643.80

THIS TIMBER SALE HAS BEEN CRUISED, APPRAISED, AND ADVERTISED BASED UPON SCRIBNER BOARD FOOT MEASURE (16 FOOT LOG). THE MINIMUM BID FIGURES SHOWN BY SPECIES ARE DOLLARS PER THOUSAND BOARD FEET (MBF). THE MINIMUM BID INCREMENT WILL BE \$0.10 PER MBF. SCRIBNER BOARD FOOT VOLUMES (32 FOOT LOG) BY SPECIES ARE DISPLAYED FOR INFORMATIONAL PURPOSES.

LOG EXPORT AND SUBSTITUTION: All timber sales, including timber from Federal rights-of-ways, shall be subject to the restrictions relating to the export and substitution of unprocessed timber from the United States in accordance with P.L. 94-165 and 43 CFR 5400 and 5424 as amended.

LOG EXPORT AND SUBSTITUTION RESTRICTIONS: Excepting Port-Orford-cedar, all timber offered for sale hereunder 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.

CRUISE INFORMATION: With respect to merchantable trees of all species in all cruise strata: the average DBHOB is 12.0 inches: the average gross merchantable log contains 38 bd. ft.; the total gross volume is approximately 2,415 thousand bd. ft.; and 94 % recovery is expected. The average DBHOB for Douglas-fir is 12.0 inches; and the average gross merchantable log contains 37 bd. ft. None of the total sale volume is salvage material. The following cruise method was used for volume determination:

VARIABLE PLOT: Timber volumes in Units 1 through 6 were based on a variable plot cruise. Using a 20 basal area factor (BAF), 295 plots were measured and 295 trees were randomly selected to be sampled. The sample trees have been cruised and their volumes computed using form class tables for estimating board foot volumes of trees in 16-foot logs. The volumes are then expanded to a total sale volume.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

CUTTING AREA: Six units totaling approximately 121 acres must be partial cut.

ACCESS: Access to the sale area is provided via: Oregon State highways, county roads, privately controlled roads and Government controlled roads.

DIRECTIONS TO SALE AREA: From Hwy 42 at Tenmile, travel north on Reston Rd. 4.5 miles to Coos Bay Wagon Rd. Turn left (west) onto Coos Bay Wagon Rd. and travel 6.9 miles to Harry's Rd. (28-9-12.2). Turn right (north) onto Harry's Rd. (28-9-12.2) and travel approximately 0.8 miles to the sale area. Refer to Exhibits A and A-1 for unit locations.

ROAD USE & MAINTENANCE: Refer to Exhibit E Summary attached. Operator maintenance required on 4.67 miles of road.

Rockwear and Maintenance Fees Payable to BLM:	\$3,263.19
Road Use Fees Payable to Plum Creek Timberlands L.P.:	\$1,860.00

ROAD CONSTRUCTION:

Road Construction estimates include the following:

New Construction, Renovation, and Improvement:

0.0 stations

Aggregate:

Maintenance Rock, 1 ½" minus hardrock: 400 CY (Truck Measure)

Soil Stabilization:

Dry Seed, fertilizer, & mulch: 1.4 acres (Post Haul)

Road Decommissioning:

Earth Berm Barriers: 3

DURATION OF CONTRACT: Will be 36 months for cutting and removal of timber. The contract will contain special stipulations regarding logging, road construction, road use and maintenance, fire prevention, hazard reduction and logging residue reduction, log export and substitution, optional scale check of lump sum sales, equal opportunity in employment, cultural resource protection, and sensitive, threatened, or endangered plants or animals.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

SPECIAL PROVISIONS: This list is not comprehensive. Please review the entire contract.

1. A License Agreement is required with Plum Creek Timberlands, L.P.
2. All equipment must be washed prior to entry into the contract area to control the spread of noxious weeds.
3. The BLM Road Nos. 28-9-12.5 and 28-9-12.5 Ext. are approved for summer haul only. All other roads are approved for wet season haul.
4. A Seasonal Restriction affects parts of Unit 6. Harvest activities are prohibited April 1 through August 5, and a daily timing restriction restricts harvest activities to the period two hours after sunrise to two hours before sunset August 6 through September 15.
5. A Timing Restriction affects parts of Unit 2. Harvest activities are restricted to the period two hours after sunrise to two hours before sunset April 1 through September 15.
6. No trees shall be felled into the Reserve Areas as shown on the Exhibit A. Line pulling, jacking, or other mechanical devices shall be used as necessary.
7. Damage shall affect less than 5% of reserve trees.
8. Lift trees and intermediate support trees may be necessary.
9. One-end suspension required during yarding.
10. Full suspension required when yarding over stream channels.
11. Log lengths shall not exceed 41 feet.
12. Shape and restore all landings to a natural contour to prevent erosion.
13. Seed and fertilize all landings, road cuts and fills, and waste areas.
14. Soil stabilization, water bar construction, road decommissioning, and road barrier construction shall be conducted after the completion of harvest activities but no later than October 15th.
15. BLM will assume supervisory responsibility for disposal of logging slash.
16. Machine and/or hand piling of logging slash are required at all landing areas.
17. After yarding is complete the purchaser shall top 136 conifer trees and fall 204 conifer trees in Units 1 - 6.
18. This contract contains provisions (Sec. 41.b(11) and Sec. 41.b(12)) for the sale and removal of additional timber necessary to facilitate safe and efficient Purchaser operations. These provisions include:
 - a. The designation and sale of additional timber, such as corridor and guyline trees, at contract price, as necessary to facilitate safe and efficient logging. Such trees may be felled and removed when they are painted by the Authorized Officer;
 - b. Sale of additional timber volume at current fair market value where the species and/or size of trees are not representative of the forest stand(s) being thinned;
 - c. Government reservation of trees previously marked for cutting replacement when the Authorized Officer determines that it is necessary in order to maintain stand densities consistent with objectives set forth in management prescriptions;
 - d. The use of unilateral modifications executed by BLM for such additional and replacement timber;
 - e. Revocation of the Purchaser's right to cut additional timber if the Authorized Officer determines that trees have been cut and removed that were not previously marked and approved for cutting and removal by the Authorized Officer; and,

COOS BAY SALE NO. 12-33
LOST & FOUND CT

f. It is estimated that approximately ten percent of the sale volume (estimated at 227 MBF) of such additional timber may be removed under the contract, but is not included in the advertised sale volume nor was it included in the timber sale appraisal. This estimate is a net figure reduced by the estimate of the volume of trees previously marked for cutting, which the Authorized Officer may elect to reserve.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

Seasonal Restriction Matrix OR120-TS12-33 LOST & FOUND CT Timber Sale Prospectus

***Restricted periods are Shaded; Conditional periods are hatched; See Exhibit A for portions of units affected.**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		June		July		Aug		Sept		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
General All Units	Falling and bucking ²																								
	Cable yarding ²																								
	Road Construction, Renovation, or Improvement Work ¹																								
Unit 3	Hauling ¹																								
Units 1, 2, & 4-6	Hauling ⁶																								
Unit 6	Seasonally Restricted (portion) ⁴																								
Unit 2	Timing Restricted (portion) ⁵																								

¹ Wet season restrictions may be shortened or extended depending on weather conditions.

² Bark slip seasonal restrictions may be conditionally waived upon written request and Authorized Officer approval. Strict compliance with damage provision required for continued operations.

⁴ Harvest activities are prohibited April 1 through August 5, and a daily timing restriction restricts harvest activities to the period two hours after sunrise to two hours before sunset August 6 through September 15.

⁵ Harvest activities are restricted to the period two hours after sunrise to two hours before sunset April 1 through September 15.

⁶ Wet season haul may be suspended during periods of heavy rain (>1" in 24 hours).

COOS BAY SALE NO. 12-33
LOST & FOUND CT

SCHEDULE I

Sec 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 the Government:

- a. All timber on the Reserve Area, shown on Exhibit A, which is attached hereto and made a part hereof, and all blazed, orange painted and/or posted trees which are on or mark the boundaries of the Reserve Area, as shown on Exhibit A;
- b. All timber marked, by the Government, with orange paint above and below stump height within the Partial Cut Units, as shown on the Exhibit A.
- c. All existing standing dead trees, except those snags that must be felled to permit safe working operation provided that all snags felled must be retained on site;
- d. All existing downed wood in decay classes 3-5 and all existing downed wood 20 inches or larger in diameter measured on the large end regardless of decay class;
- e. All Bearing Trees with metal tags that mark property corners, as shown on Exhibit A.

Sec 41. SPECIAL PROVISIONS. Purchaser shall comply with the special provisions which are attached hereto and made a part hereof unless otherwise authorized, in writing, by the Authorized Officer:

a. Periodic Payment and First Installment Adjustment

(1) Notwithstanding the provisions of Sec. 3(b), the amount of the first installment may be reduced by the Government when the Contracting Officer requests the Purchaser to interrupt or delay operations for a period expected to last more than 30 days during the operating season. Such interruption or delay must be beyond the Purchaser's control. Operating Season shall be defined, for this purpose, as the time of year in which operations of the type required are normally conducted and not specifically restricted under the contract. The first installment may be reduced to 5% of the installment amount listed in Sec. 3(b), during the delay period. The Purchaser must request such a reduction in writing. When the Contracting Officer notifies the Purchaser that operations may proceed, the purchaser shall have 15 days after such notification to return the first installment to the full value specified in Sec. 3(b). Failure to return the first installment to the full value within the allotted time will be considered a material breach of contract. No timber shall be cut or removed from the contract area until the first installment is restored to the full amount.

(2) Notwithstanding the provisions of Sec. 3(b), adjustments in the due dates for periodic payments may be made by the Government if the Contracting Officer interrupts or delays contract operations for a period expected to last at least 30 days, and the interruption or delay is beyond the Purchasers control. Any adjustment made shall provide the Purchaser with an equal amount of operating time as would have been available without the delay. The Purchaser shall request such adjustment in writing before the due date for a periodic payment contained in Sec. 3(b).

b. Logging

COOS BAY SALE NO. 12-33
LOST & FOUND CT

(1) Prior to 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.

(2) Before beginning operations on the contract area for the first time, or after a shutdown of ten or more days, the Purchaser shall notify the Authorized Officer in writing of the date he plans to begin operations. He shall also notify the Authorized Officer in writing if he intends to cease operations for any period of ten or more days.

(3) In the Seasonal Restriction Area (MM), as shown on Exhibit A, falling, yarding, and new road construction operations are prohibited in the period between April 1 and August 5. In addition a daily timing restriction confines activities to the period from two hours after sunrise to two hours before sunset between August 6 and September 15 both days inclusive.

(4) In the Timing Restriction Area (MM), as shown on Exhibit A, falling, yarding, and new road construction operations are confined to the period from two hours after sunrise to two hours before sunset between April 1 and September 15 both days inclusive.

(5) Due to bark slippage, falling or yarding may be restricted by the Authorized Officer within the contract area between March 1 and June 30 of each calendar year, both days inclusive.

(6) No trees may be felled into the Reserve Area designated on the Exhibit A. Line pulling, jacking, or other mechanical devices shall be used as necessary to prevent trees from falling into these areas.

(7) Damage to residual trees shall affect less than 5% of reserve trees. Bark removed to cambium three (3) inches wide or wider, top broken at three (3) inches diameter or greater, root sprung trees, or any root collar damage shall constitute damage. Damage levels will be upon government sample of an affected area. Failure to resolve excess damage to reserve trees may result in suspension of operations and recovery of the value of the damaged timber in accordance with Sec. 13.

(8) Trees shall be felled, limbed, topped into lengths not to exceed 41 feet prior to yarding.

(9) In the Partial Cut Units, yarding shall be done with a skyline cable system according to the following:

(a) The skyline cable system shall be capable of being rigged in a multi-span configuration utilizing a carriage capable of yarding 75 feet laterally from the skyline. Skyline roads shall not be spaced closer than 150 feet apart, unless approved by the Authorized Officer.

(b) One-end log suspension is required during yarding operations. Intermediate supports and/or lift trees may be required to obtain the required suspension. Full suspension is required when yarding over Stream Channels shown on the Exhibit A.

(c) Where road locations allow, yarding will be done so that corridors run parallel to each other rather than radiate from a central landing.

(10) Sec 41.b(11) shall be the primary method for the identification, cutting, and removal of additional timber required for skyline corridors, yarding trails, and guy-line trees. Sec. 41.b(12) may be used at the discretion of

COOS BAY SALE NO. 12-33
LOST & FOUND CT

the Authorized Officer. The purchaser shall be notified in writing when Sec. 41.b(12) is authorized for use.

(11) Before cutting and removing any trees necessary to facilitate logging in the Partial Cut Units the Purchaser shall identify the location of the cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger 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 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 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 cable yarding road shall be limited to 12 feet.
- (b) The Purchaser may immediately cut and remove additional timber to clear cable yarding roads; and provide tailhold, tieback, guyline, lift, and intermediate support trees; and clear danger trees when the trees have been marked with blue paint above and below stump height by the Authorized Officer and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber 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 Sec. 3.(b) of the contract or sufficient bonding has been provided in accordance with Sec. 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, which is attached hereto and made a part hereof, unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Sec. 9 of the contract; or, the Authorized Officer determines that any tree that exceeds 24 inches diameter at breast height shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Sec. 8 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 Sec. 10 of the contract constitutes a violation of the contract and under Sec. 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 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
- (f) The Government may reserve trees previously designated for cutting and removal by applying orange

COOS BAY SALE NO. 12-33
LOST & FOUND CT

paint as replacements for additional trees cut and removed for skid roads and/or cable yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescription. This may include the replacement of trees damaged by storm events, or insects or disease. The volume of this timber to be reserved will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and the value shall be based on the unit prices shown in Exhibit B of the contract. The Purchaser agrees that the Total Purchase shall be reduced accordingly through a unilateral modification to the contract executed by the Contracting Officer.

(12) In accordance with the requirements of Sec. 8 of the contract it has been determined that it is in the best interest of the Government and within the provisions of 43 CFR 5402.0-6 to sell additional timber located in the contract area which, is obstructing needed cable yarding roads, hazardous to workers, needed for guyline, tailhold, and/or tieback trees to meet all applicable State safety laws, codes or regulations. This timber must be cut or removed so that the Purchaser can continue active falling and yarding operations. The Purchaser is, therefore, authorized to cut and remove such additional timber in accordance with the provisions of Sec. 8 of the contract: provided, however, that:

- (a) Seed trees, bearing trees, trees larger than 24 inches in diameter, and trees located within the Reserve Areas are not included in this authorization;
- (b) the Purchaser shall identify each tree sold and cut in accordance with this provision by marking the surface of the stump immediately after cutting with a large "X", cut with a chain saw, and by painting the stump with florescent red paint so that the stump can be visually located from a distance of not less than 100 feet;
- (c) concurrently with falling, paint the end of the butt log of each tree with florescent red paint. When butt logs are yarded, deck separately for inspection by Authorized Officer;
- (d) the Purchaser conforms to all requirements of Sec. 8 of this contract; provided that (1) the unit prices for additional timber within unit boundaries shall be the unit prices shown in Exhibit B of this contract, or the reappraised unit prices arrived at in accordance with Sec. 9 of this contract, and (2) timber outside of unit boundaries shall be sold at fair market value;
- (e) no timber may be cut or removed under the terms of this provision if all contract payments required by Sec. 3.(b) or 3.(d) have been made; and,
- (f) the permission to cut and remove additional timber contained in this provision may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser:
 - 1. failed to properly mark any stump with the "X" cut.
 - 2. failed to properly mark any butt log with red paint.
 - 3. cut any tree that was reserved for tree improvement and/or wildlife habitat.
 - 4. cut any tree in or adjacent to cable yarding corridors that was not necessary to facilitate cable yarding.
 - 5. failed to properly segregate any pulled over tree that was yarded to the landing.
 - 6. cut any reserve tree that was not severely (as defined during the prework conference and documented in the approved logging plan) damaged from felling and yarding operations.
 - 7. cut more than the minimum number of trees necessary to properly serve as guyline anchor stumps.
 - 8. cut or topped more than the minimum number of trees necessary to properly serve as tailhold trees.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

9. cut more than the minimum number of trees necessary to properly serve as tie-backs for topped tailhold trees.

Failure to perform any of the conditions listed above may be considered a trespass.

If the permission to cut and remove additional timber provision is withdrawn, the Authorized Officer shall deliver to the Purchaser a written notice that additional sale of timber under this special provision is no longer approved.

If the permission to cut and remove additional timber provision is withdrawn, the Purchaser shall inform the Authorized Officer at least two working days prior to the need for cutting and yarding any guyline tree, tailhold tree, tie-back tree, danger tree, corridor tree, pulled over tree, and severely damaged tree. All sales of additional timber shall comply with Sec. 8 of the contract. The Contracting Officer may order the Purchaser, in writing, to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the Government to safely measure and mark additional timber.

All cable-yarding yarding trails upon which timber may be cut and removed in accordance with this special provision must be needed for the removal of timber sold under this contract and shall be limited to the narrowest width necessary for the yarding of logs with minimum damage to reserved trees.

The Purchaser shall be liable for damages in accordance with Sec. 13 of the contract for any reserved timber cut or removed in violation of the terms of this special provision.

(13) Prior to attaching any logging equipment to a reserve tree larger than 24 inches diameter at breast height, the Purchaser shall obtain written approval from the Authorized Officer, and shall take precautions to protect the trees from damage, as directed in writing by the Authorized Officer.

(14) During logging operations, the Purchaser shall keep BLM Road Nos. 28-9-12.2 and 28-9-11.1, where they pass through the contract area, clear of trees, rock, dirt and other debris so far as is practicable. The roads shall not be blocked by such operations for more than 20 minutes.

(15) To control the spread of noxious weeds and Port-Orford-cedar root disease, the purchaser shall conduct all operations involving the transportation and use of equipment and vehicles in strict accordance with the requirements shown on Exhibit F, which is attached hereto and made a part hereof. All road maintenance and logging equipment shall be washed prior to moving in the Contract Area to minimize the spread of noxious weeds.

(16) After completion of yarding activities, the Purchaser shall top 136 conifer trees and fell 204 conifer trees in Units 1 - 6, as shown on the Exhibit A and as directed by the Authorized Officer, according to the following:

- (a) Unit 1: top 14 conifer trees; fell 21 conifer trees;
- (b) Unit 2: top 20 conifer trees, fell 30 conifer trees;
- (c) Unit 3: top 44 conifer trees, fell 66 conifer trees;
- (d) Unit 4: top 18 conifer trees, fell 27 conifer trees.
- (e) Unit 5: top 8 conifer trees, fell 12 conifer trees;

COOS BAY SALE NO. 12-33
LOST & FOUND CT

(f) Unit 6: top 32 conifer trees, fell 48 conifer trees

The Purchaser shall top the trees above the third live whorl at a minimum height of 40 feet or at 60 feet if no live limbs occur below 60 feet. Trees selected for treatment shall be from the co-dominant tree class as directed by the Authorized Officer. Topped trees shall have a number painted at breast height with fluorescent paint such that they are visible from at least 150 feet, felled trees shall have the butt ends painted. Number and location of treated trees shall be depicted on a map such that they may be easily verified.

c. Road Construction

(1) There is no road construction for this sale.

d. Road Use and Maintenance

(1) The Purchaser shall be required to secure written approval to use or haul equipment over Government owned or controlled structures when that equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

(2) Tracked type equipment shall not be allowed to cross over concrete bridge decks, other concrete surfaced structures or asphalt surfaced roads without the proper protection of that surface. Prior approval shall be obtained from the Authorized Officer when crossing with protective devices. Details of such equipment shall be furnished to the Authorized Officer for evaluation of load characteristics, at least 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; and,
- (h) Special features (e.g. running tracks, overhang loads, etc.).

The Purchaser shall be responsible for repair of any damage to 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.

(3) The Purchaser is authorized to use the roads shown on Exhibit E, attached hereto and made a part hereof, for the removal of Government timber sold under the terms of this contract and for haul of mineral material required under the terms of this contract; provided, that the Purchaser shall pay the road maintenance fees and rockwear fees totaling \$3,263.19 as shown on Exhibit E. Unless the total maintenance and rockwear fees due BLM are paid prior to commencement of operations on the contract area, payments shall be made in installments payable in the same manner as and together with payments required by Sec. 3 of this contract.

(4) The Purchaser shall perform maintenance and repair of such roads shown on Exhibit D in accordance with the maintenance specifications listed in Exhibit D, attached hereto and made a part hereof.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

(5) At all times during the period of his operations on the contract area, and upon completion of said operations, the Purchaser shall be liable for maintenance and repair of such roads shown on Exhibit D resulting from wear or damage in accordance with the maintenance specifications as shown on Exhibit D.

(6) With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users of any BLM controlled road included in Sec. 41.d.(3) 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.

(7) 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 road(s) involved. These fees will be applied to the remaining contract volume on the sale area, as determined by the Authorized Officer, to be transported over the roads listed in Sec. 41.c.(1) and 41.d.(3). If the total road maintenance fee does not exceed \$500.00, the Purchaser shall pay such amount in full prior to use of such roads. If the total road maintenance fee exceeds \$500.00, the Authorized Officer shall establish an installment schedule of payments of the maintenance obligation.

(8) Hauling on BLM Road Nos. 28-9-12.5 and 28-9-12.5 Ext. shall be permitted between June 1 and October 15 unless dry conditions extend the hauling season, as directed by the Authorized Officer. All other roads are approved for wet season haul.

(9) The following management practices shall be used to prevent delivery of haul-related sediment to the stream network during wet season haul:

Apply additional lift of rock to the area of road that can influence the stream if rill erosion is evident or likely in the road near a stream crossing. Hard rock shall be in place at the start of winter haul and additional rock shall be applied as necessary to maintain the stream crossing for the duration of wet season haul.

Contain offsite movement of sediment from the road or ditch flow near stream by installing a silt fence or other sediment-trapping device. Such control measures must allow for the free flow of water without detention or plugging. The control measure must receive frequent maintenance with accumulated sediment disposed of in accordance with Authorized Officer instructions. Silt fences or sediment traps shall be in place prior to the start of winter haul.

Hauling during the wet season may be suspended if more than 1 inch of rain is expected in a 24-hour period and the Authorized Officer determines that the soils in the contract area are already saturated and the sediment prevention measures in described in Sec 41.d(9) would be ineffective at preventing sediment delivery to the stream network. The NOAA - National Weather Service - Hydrometeorological Prediction Center web site, <http://www.hpc.ncep.noaa.gov/qpf/qpf2.shtml> (Quantitative Precipitation Forecast) shall be used as the rainfall forecast tool unless otherwise directed by the Authorized Officer.

(10) In the use of required company roads shown on the Exhibit E, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreements between the United States and Plum Creek Timberlands, L.P. – RWA C-344. The Agreement is available for inspection at the Bureau of Land Management, Coos Bay, Oregon.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

Prior to commencement of operations, the Purchaser shall furnish to the Authorized Officer a copy of the executed License Agreements issued under the terms of the Right-of-Way Agreements.

Default by the Purchaser of said Right-of-Way and Road Use Agreements, of any License Agreements executed pursuant thereto, for failure to pay appropriate road use fees or road maintenance 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. Road maintenance fees may change during the course of the contract as determined by the Licensor. It is the responsibility of the Purchaser to pay fees current at time of haul. The fees used for the appraisal include:

Road Use Fees Payable to Plum Creek Timberlands, L.P.: \$1,860.00

If a Licensor is the purchaser, allowances have been made for amortization of capital investment of the roads covered by the Licensor's Agreement in accordance with 43 CFR 2812.6, 2(a)(5); it is understood that the purchase price stated in Sec. 2 of this contract is the net price and that no deduction will be made from the contract price because of such allowance.

e. Fire Prevention, Hazard Reduction and Logging Residue Reduction

(1) BLM will assume supervisory responsibility for disposal of logging slash. The assumption by the Government of all obligations for the disposal or reduction of fire hazard under State law does not relieve the Purchaser of the obligations to perform the fire prevention, hazard reduction and logging residue reduction measures required by this contract.

(2) Fire Prevention and Hazard Reduction. Primarily for purposes of fire prevention and fire hazard reduction, 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, the Purchaser shall prepare a fire prevention and control plan to the satisfaction of the Authorized Officer.

(b) Slash shall be disposed of in accordance with the written instructions of the Authorized Officer.

(3) Logging Residue Reduction and Biomass Removal. Primarily for purposes of fire prevention the Purchaser shall comply with the following provisions:

(a) Notwithstanding the provisions of Sec. 15 of this contract, the Government shall be responsible for disposing of slash created by the Purchaser's operations at all landing sites in the sale area.

(b) All logging debris accumulated on the landing shall be piled. As much as possible, piling on landings shall be reduced to the least amount of piles necessary and shall be free of soil and rock. Alternatively, accumulations of logging debris can be scattered throughout the unit by logging equipment at the direction of the Authorized Officer.

(c) Unless directed by the Authorized Officer, no landing piles shall be within 15 feet of any reserve tree.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

Specifications for Landing Pile Covering

- (a) The Purchaser shall place polyethylene plastic, maximum 4 MIL thick and black in color over the pile to provide a barrier from winter rains. Unless otherwise directed, the size of plastic shall not exceed 100 square feet (10 X 10).
- (b) Larger piles may receive additional polyethylene plastic sheeting in excess of the 100 square feet to adequately cover the pile. Piles within this size limit will be identified by the Authorized Officer before the landing pile covering begins.
- (c) In the piled area being covered, material that extends beyond the general contour of the pile shall be cut off and placed on the pile to prevent tearing of the plastic during seasonal winds.
- (d) Plastic covering shall be placed on top of the pile to ensure the center of the piles remains dry and shall be weighted down with logging debris and shall be tied down with twine on all four corners.
- (e) All piles shall be covered by September 30 of the same year of piling.
- (f) Biomass Utilization Option:
 - 1. If the Purchaser elects to remove biomass generated from harvest activities within the Partial Cut Unit, the Purchaser shall notify the Authorized Officer in order to arrange for on-site inspections of the removal operations and shall provide information on the total tonnage of biomass material removed from the sale area.
 - 2. Upon completion of the biomass removal, the Purchaser shall notify the Authorized Officer to arrange for a final inspection of the landing site.

Specifications Applicable to Landing Pile Burning

- (a) The Purchaser shall begin landing pile burning within 14 hours of notification by the Authorized Officer.
- (b) The Purchaser shall remove and dispose of all plastic exceeding the 100 square foot limit in accordance with Federal, State and municipal laws. Removed polyethylene sheeting shall be not be disposed of in burn piles.
- (c) Manpower and Equipment Requirements for burning of piles are:
 - 1. One (1) English-speaking foreman for crew supervision
 - 2. Three (3) person burn crew
 - 3. Three (3) drip torches and a sufficient amount of fuel to complete all landing pile burning.
- (d) A minimum of 80 % consumption of each pile is required.
- (e) No mop-up is required of the Purchaser.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

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 (or nomex), full length natural fabric trousers (or nomex), minimum eight-inch top leather boots, hardhat, and leather gloves. All listed equipment shall be in good usable condition.

In case of injury to personnel or damage to equipment furnished 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 men 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.

f. Log Export and Substitution

(1) All timber sold to the Purchaser under the terms of this contract 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 and specifications suitable for end-product uses; 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. 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; (6) shakes and shingles.

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

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

- (a) date of last export sale;
- (b) volume of timber contained in last export sale;
- (c) volume of timber exported in the past 12 months from the date of last export sale;
- (d) volume of Federal timber purchased in the past 12 months from the date of last export sale;
- (e) volume of timber exported in succeeding 12 months from date of last export sale; and,
- (f) volume of Federal timber purchased in succeeding 12 months from date of last export sale.

(4) 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" (Form 5460-16). The original of such certification 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.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

(5) In the event an affiliate of the Purchaser has exported private timber within 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 a form specified by the Authorized Officer and furnish the information

(6) Prior to the termination of this contract, the Purchaser shall submit to the Authorized Officer a "Log Scale and Disposition of Timber Removed Report" (Form 5460-15) 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.

(7) 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 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 logs clearly and legibly branded on one end regardless of the diameter of the logs. All logs will be branded on loads of ten logs or less. One end of all branded logs to be processed domestically will be marked with a three 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.

(8) 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 Sec. 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.

g. Optional Scale Check of Lump Sum Sales

(1) The Government, at its option, may administratively check scale any portion of the timber removed from the contract area, and if necessary, conduct check scaling of independent scalers contracted to BLM for administrative check scaling purposes. The Purchaser hereby agrees to make such contract timber available for such scaling at a location or locations to be approved in writing by the Authorized Officer. At the approved location or locations, the Purchaser shall provide an area for logs to be safely rolled out for scaling, to unload logs from trucks, place logs in a manner so that both ends and three faces of each log are visible for scaling, and to reload or remove logs after scaling has been completed.

(2) In the event that BLM elects to administratively check scale and if such check scaling causes a delay in log transportation time, an adjustment will be made to the purchase price as follows. If the entire sale is check scaled by yard scale, the purchase price of this contract shall be reduced by \$1,137.00. In the event only a portion of the contract timber is scaled, the purchase price shall be reduced by that portion of \$1,137.00 which is equal to the percentage of timber sold which was actually scaled by the Government. For purposes of computing this price reduction, the percentage of timber sold which has been scaled shall be determined by the Government. Any reduction in purchase price under the terms of this provision shall be full compensation to the Purchaser for any expense or loss incurred as a result of such scaling. Scaling shall be conducted in accordance with the Eastside Scribner Scaling Rules by BLM scalers, and/or independent scalers contracted to BLM. A copy of the scale report will be made available to the Purchaser upon request.

COOS BAY SALE NO. 12-33
LOST & FOUND CT

h. Equal Opportunity in Employment

(1) Certification of Nonsegregated Facilities, Form 1140-3, is attached hereto and made a part hereof.

i. Cultural Resource Protection

(1) If in connection with operations under this contract, the Purchaser, his contractors, sub-contractors, 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 prehistorical ruins, fossils, or artifacts, the Purchaser shall immediately suspend all operations in the vicinity of the cultural value and 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.

(2) Pursuant to 43 CFR 10.4(g) the holder of this authorization must notify the Authorized Officer, by telephone, with written confirmation, immediately upon discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4(c) and (d), you must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the Authorized Officer.

j. Sensitive, Threatened, or Endangered Plants or Animals

The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:

- (a) 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 reinitiation of consultation is required concerning the species prior to continuing operation, or;
- (b) when, in order to comply with the Endangered Species Act or to protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Coos Bay District Record of Decision (ROD) and Resource Management Plan (RMP), the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (c) 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;
- (d) 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;
- (e) 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;
- (f) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (g) 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;

COOS BAY SALE NO. 12-33
LOST & FOUND CT

(h) 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

(i) 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 Sec. 3.b. 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 Sec. 3.b. of the contract within 15 days after the bill for collection is issued, subject to Sec. 3.h. 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 occupied marbled murrelet sites in accordance with the ROD and RMP, 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

COOS BAY SALE NO. 12-33
LOST & FOUND CT

rights will be terminated, the Purchaser will be permitted to remove timber cut under the contract, if allowed by the Endangered Species Act, marbled murrelet occupied site protection in accordance with the ROD and RMP, 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.

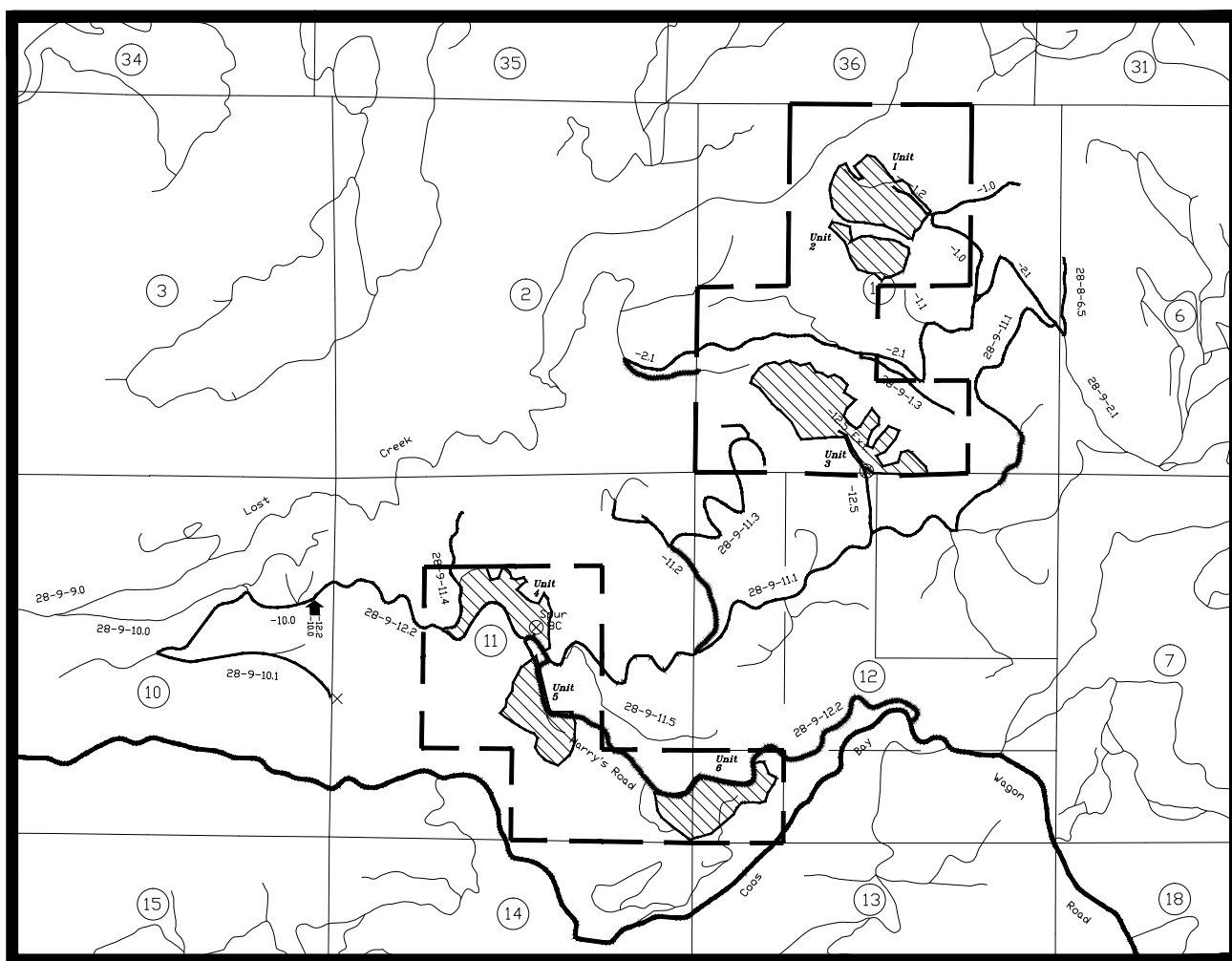
In the event cutting and removal rights are terminated under this subsection, the Purchaser agrees that the liability of the United States shall be limited to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area. This calculation of liability 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.

SALE NO. 12-33
EXHIBIT A-1
Page 1 of 1
LOST & FOUND CT

$$\begin{matrix} T \\ 27 \\ S \end{matrix}$$

R 9 W

 $R \quad \mathcal{G} \quad W$ 

- | | |
|---|---------------------------|
|  | Units |
|  | Boundary of Contract Area |
|  | Existing Road |
|  | Proposed Landing |
|  | Road Number Break |

SCALE 2" = 1 mile

TIMBER SALE CONTRACT MAP
 USDI-BLM COOS BAY DISTRICT
 T.28 S., R.9 W., Secs. 1,11&12, Will. Mer.

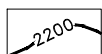
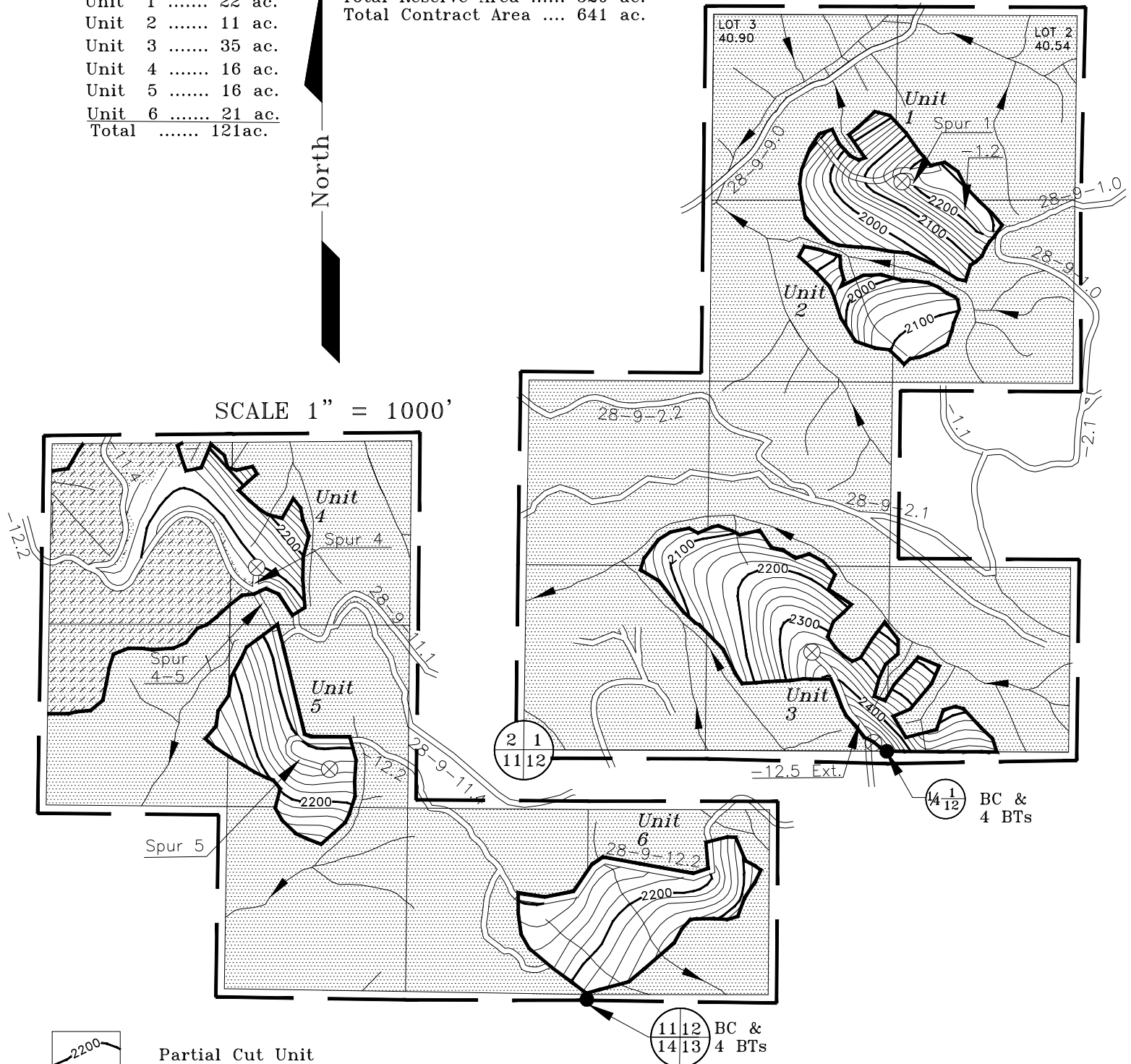
SALE NO. 12-33
 EXHIBIT A
 Page 1 of 2
 LOST & FOUND CT

Unit 1	.....	22 ac.
Unit 2	.....	11 ac.
Unit 3	.....	35 ac.
Unit 4	.....	16 ac.
Unit 5	.....	16 ac.
Unit 6	.....	21 ac.
Total	.....	121 ac.

Total Reserve Area 520 ac.
 Total Contract Area 641 ac.

North

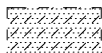
SCALE 1" = 1000'



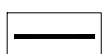
Partial Cut Unit



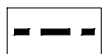
Reserve Area



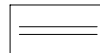
Previous Sale Area - Reserve



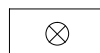
Boundary of Cutting Area, Blazed,
 Posted and Painted



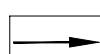
Boundary of Contract Area



Existing Road



Proposed Landing



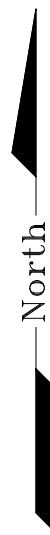
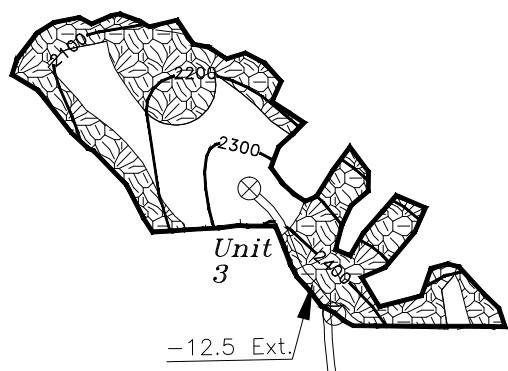
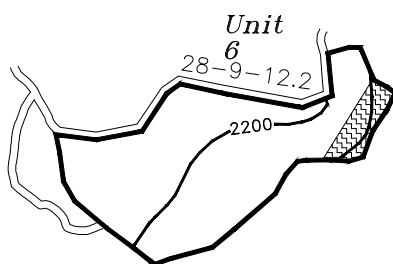
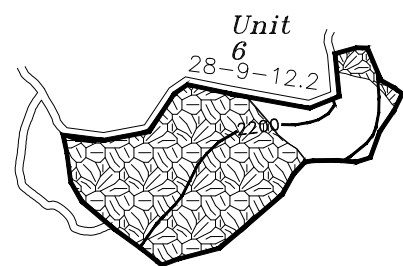
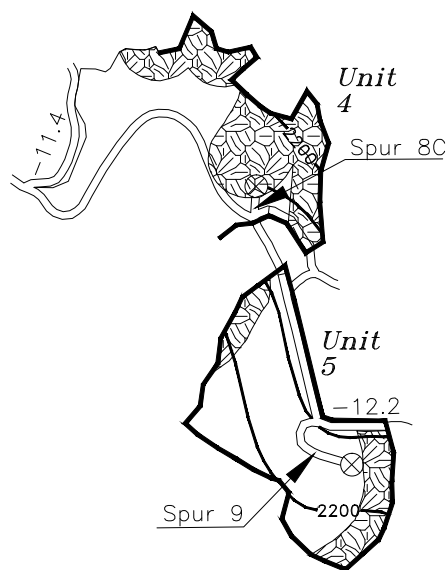
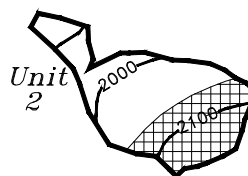
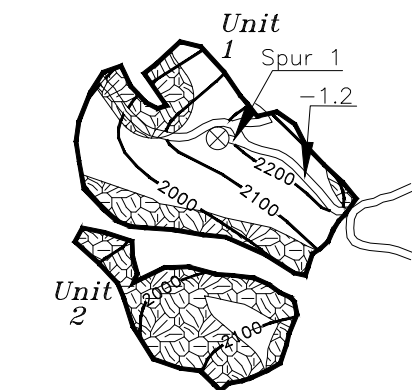
Stream Channel



Corner Found

TIMBER SALE CONTRACT MAP
 USDI-BLM COOS BAY DISTRICT
 T.28 S., R.9 W., Secs. 1,11&12, Will. Mer.

SALE NO. 12-33
 EXHIBIT A
 Page 2 of 2
 LOST & FOUND CT



SCALE 1" = 1000'

Snag & Down Wood TREATMENT ACRES		
Unit 1	.....	7 ac.
Unit 2	.....	10 ac.
Unit 3	.....	22 ac.
Unit 4	.....	9 ac.
Unit 5	.....	4 ac.
Unit 6	.....	16 ac.
Total	.....	68 ac.



Snag & Down Wood Treatment Area



Daily Timing Restriction (MM)



Seasonal Restriction (MM)

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

Coos Bay
Lost and Found CT
TS 12-33

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	1,880		
Western Hemlock	368		
Red Alder	26		
Sale Totals	2,274		

Unit Details (16' MB)

Unit 1 22 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	342		
Red Alder	5		
Western Hemlock	67		
Unit Totals	414		

Unit 2 11 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	171		
Red Alder	2		
Western Hemlock	33		
Unit Totals	206		

Unit 3 35 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	544		
Red Alder	8		
Western Hemlock	106		
Unit Totals	658		

Coos Bay
Lost and Found CT
TS 12-33

Species	Net Volume	Bid Price	Species Value
Douglas-fir	248		
Red Alder	3		
Western Hemlock	49		
Unit Totals	300		

Species	Net Volume	Bid Price	Species Value
Douglas-fir	249		
Red Alder	3		
Western Hemlock	49		
Unit Totals	301		

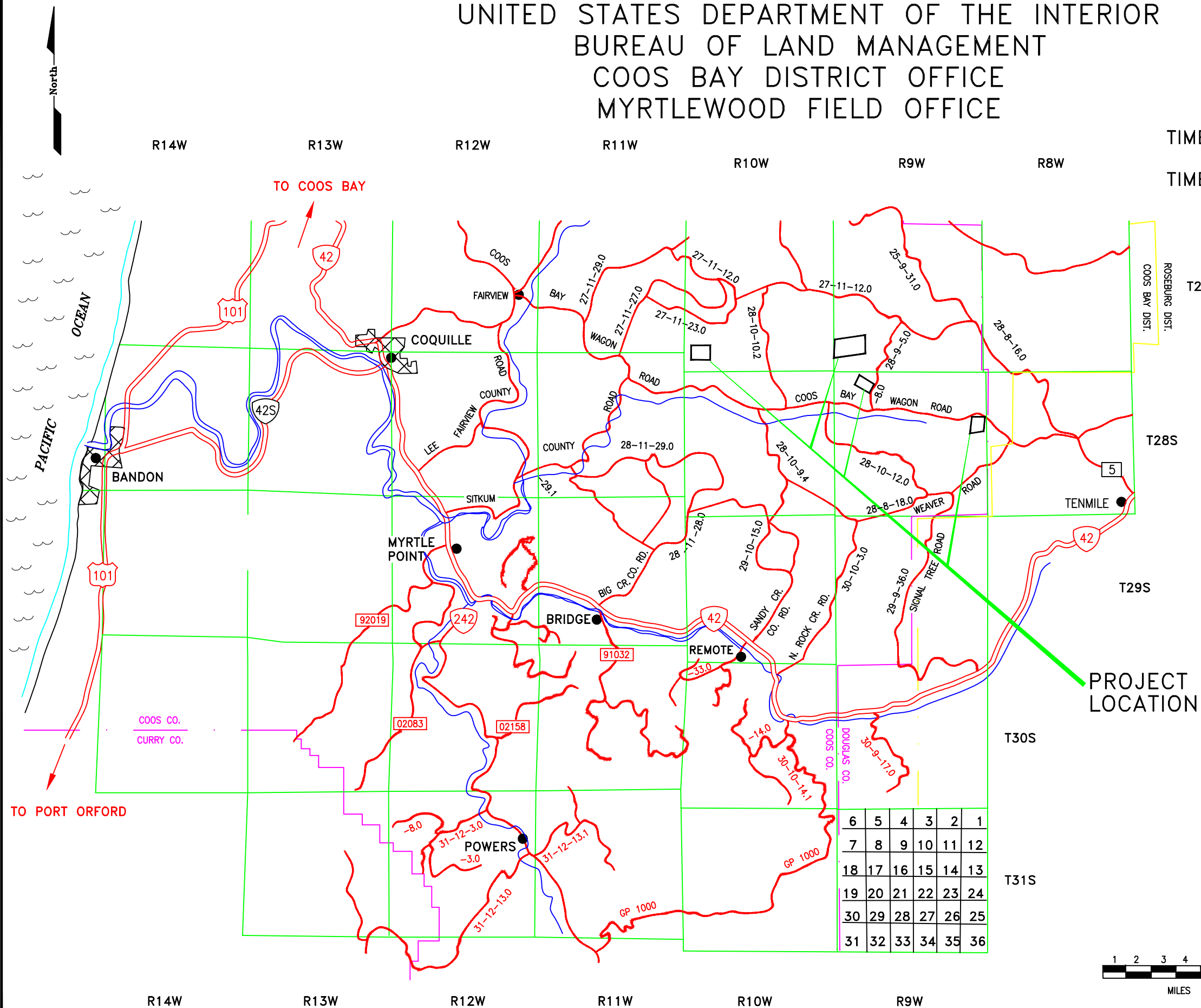
Species	Net Volume	Bid Price	Species Value
Douglas-fir	326		
Red Alder	5		
Western Hemlock	64		
Unit Totals	395		

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
COOS BAY DISTRICT OFFICE
MYRTLEWOOD FIELD OFFICE

EXHIBIT D

TIMBER SALE NAME: Lost and Found CT

TIMBER SALE NO.: 12-33



SHEET	CONTENTS
1	TITLE SHEET
2	LOCATION MAP & MAINTENANCE DETAIL
3	ESTIMATE OF QUANTITIES & TYPICAL CROSS SECTION
4	BARRIER DETAIL
5-7	SPECIAL DETAILS
8-11	ROAD MAINTENANCE SPECIFICATIONS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
COOS BAY DISTRICT OREGON

TITLE SHEET

DESIGNED Ronald Shipp
REVIEWED Dennis Higgs
APPROVED Kathy Hoffine

DRAWN RCS
DATE 1/12
DRAWING NO. OR 120-5400-2

SCALE AS SHOWN
SHEET 1 OF 11

EXHIBIT D



LEGEND

Operator Maintenance	
EXISTING ROAD	
HAUL ROUTE	
LANDING	
WATER SOURCE	
SEGMENT BREAK	
EARTH BERM BARRIER	

FEE/OPERATOR MAINTENANCE RESPONSIBILITY

ALL HAUL ROADS ARE OPERATOR MAINTENANCE
- PURCHASER RESPONSIBILITY

EARTH BERM BARRIERS

THREE (3) EARTH BERM BARRIERS
SHALL BE CONSTRUCTED AT THE LOCATIONS
LISTED IN THE EXHIBIT D SPECIAL DETAILS

USDI - BLM COOS BAY DISTRICT
Lost and Found CT
Location Map & Maintenance Detail

SALE NO. 12-33

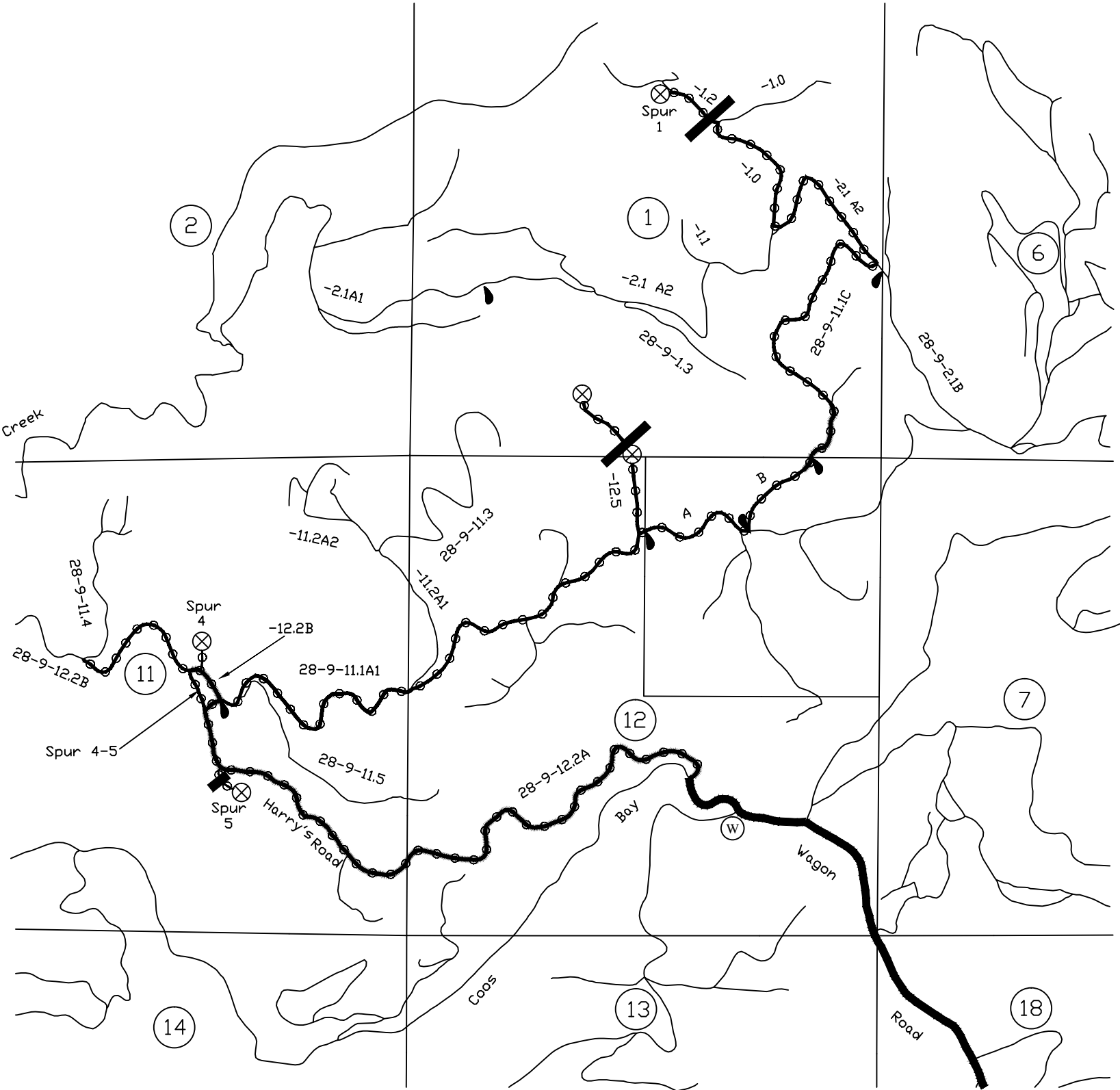
SHEET 2 OF 11

Q:\ENG\MYRTLE\TS\LOST and Found\Drawings\LOST and Found Location Map.DWG

R 9 W

R 8 W

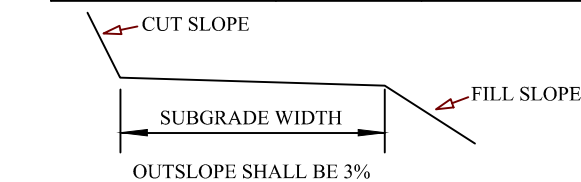
T
28
S



Maintenance Rock: 400 Cu. Yds. of 1 1/2"(-) : Hardrock

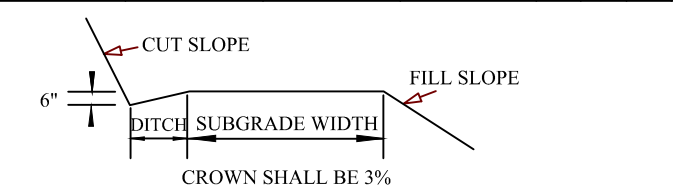
ROAD NUMBER	FROM STATION or MILE POST	TO STATION or MILE POST	LENGTH MILE or STATION	TYPICAL SECTION TYPE	ROAD WIDTH ¹		CLEARING WIDTH				ROAD PRE-MAINTENANCE	Road Length STATION	Haul Type	SURFACING			SEEDING	REMARKS			
					Subgrade	Ditch	BEYOND		EXISTING					Landing	Top Rock		Dry Post Haul				
							TOP CUT	TOE FILL	ROADS ²										1200 C.Y.	1200 C.Y.	1800 Acres
									L	R											
28-9-1.0	0+00	15+35	15.35	3	16	2			10	10			All Season								
28-9-1.2	0+00	7+70	7.70	3	16	2			10	10			All Season				0.4				
28-9-2.1	0+00	19+05	19.05	3	16	2			10	10			All Season								
28-9-11.1	0+00	123+30	123.30	3	16	2			10	10			All Season								
28-9-12.2	0+00	102+70	102.70	3	16	2			10	10			All Season								
28-9-12.5	0+00	11+10	11.10	3	16	2			10	10			Summer Only								
28-9-12.5	11+10	17+40	6.30	2	14	2			10	10			Summer Only				0.4				
Spur 1	0+00	1+30	1.30	3	16	2			10	10			All Season				0.2				
Spur 4	0+00	1+40	1.40	3	16	2			10	10			All Season				0.2				
Spur 4-5	0+00	5+00	5.00	3	16	2			10	10			All Season								
Spur 5	0+00	5+80	5.80	3	16	2			10	10			All Season				0.2				
		</																			

NOTES

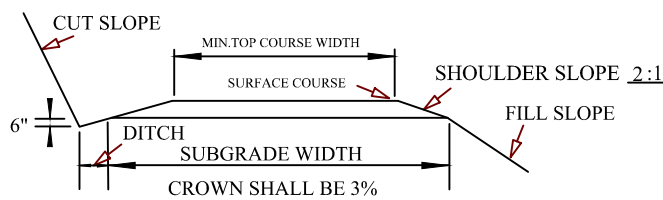


TYPICAL OUTSLOPE SECTION

TYPE 1

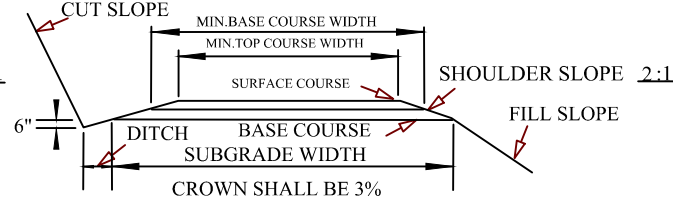


TYPICAL GRADING SECTION
TYPE 2



TYPICAL SURFACING SECTION

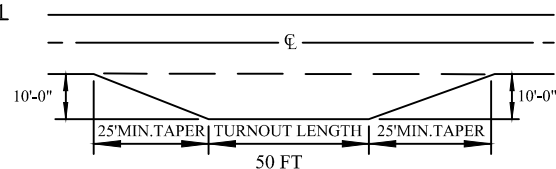
TYPE 3



TYPICAL SURFACING SECTION

TYPE 4

DITCHES - 4:1 SLOPE FROM SUBGRADE
DEPTH MAY BE EXCEEDED TO
OBTAIN REQUIRED DRAINAGE.



PLAN
TYPICAL TURNOUT

1. EXTRA SUBGRADE WIDTHS
- ADD TO EACH FILL SHOULDER 1 FT. FOR FILLS OF 1-6 FT.
AND 2 FT. FOR FILLS OVER 6 FT. WIDEN THE INSIDE
SHOULDER OF ALL CURVES AS FOLLOWS:
- | <u>DEGREE OF CURVE</u> | <u>CURVE RADIUS</u> | <u>ADDITIONAL WIDTH</u> |
|------------------------|---------------------|-------------------------|
| 0 - 40° | > 143' | 0 |
| 41 - 64° | 142' - 90' | 2 |
| 65 - 79° | 89' - 73' | 3 |
| 80 - 89° | 72' - 64' | 4 |
| 90 - 96° | 63' - 60' | 5 |
- OR AS SHOWN ON PLANS.

4. SURFACING
A. TURNOUTS, CURVE WIDENING AND ROAD APPROACH APRONS SHALL BE SURFACED.
5. CLEARING WIDTH
SEE SUBSECTION 200 OR 2100.

<u>MATERIALS</u>	<u>CUT SLOPES</u>	<u>FILL SLOPES</u>
COMMON	1/2:1	1 1/2:1
SOFT ROCK & SHALE	1/2:1	1 1/2:1
SOLID ROCK	1/4:1	

2. **SURFACING TYPE**
 - A. PIT RUN ROCK MATERIAL.
 - B. GRID ROLLED ROCK MATERIAL
 - C. SCREENED ROCK MATERIAL.
 - D. CRUSHED ROCK MATERIAL.
3. **TURNOUTS**
 - A. WIDTH 10 FT. IN ADDITION TO SUBGRADE WIDTH, OR AS SHOWN ON THE PLANS.
 - B. LOCATED APPROXIMATELY AS SHOWN ON THE ROAD PLANS OR NARRATIVE.

Q:\ENG\MYRTLE\TS\Lost and Found\Drawings\ Lost and Found Typ X-Sec.dwg

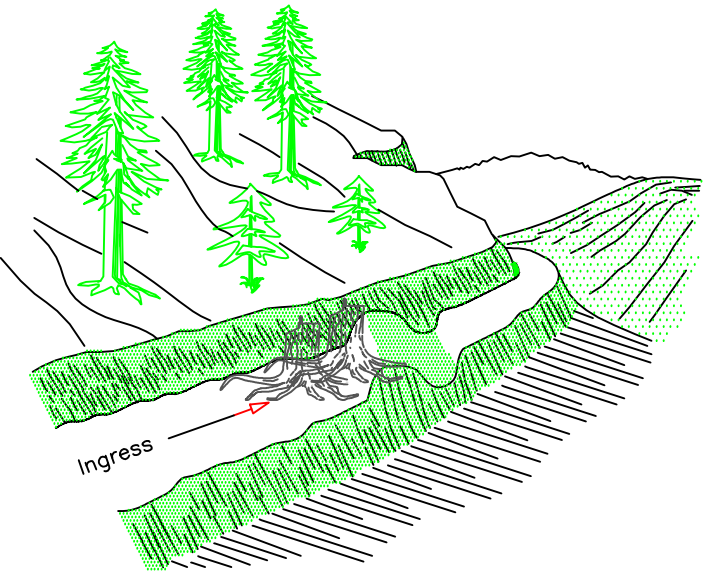
U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
COOS BAY DISTRICT OREGON

Estimate of Quantities & Typical Cross Section Detail Sheet

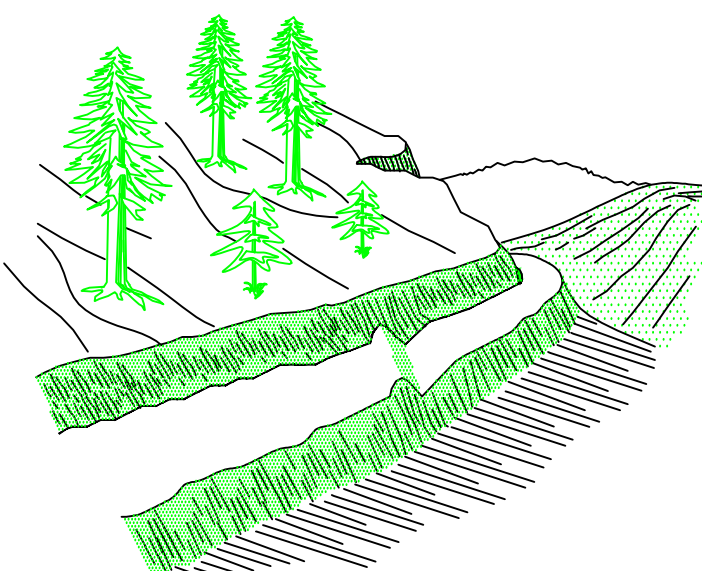
DESIGNED Ronald Shipp
REVIEWED Dennis Higgs
APPROVED Kathy Hoffine

DRAWN	RCS	SCALE	NONE
DATE	1/12	SHEET	3 OF 11

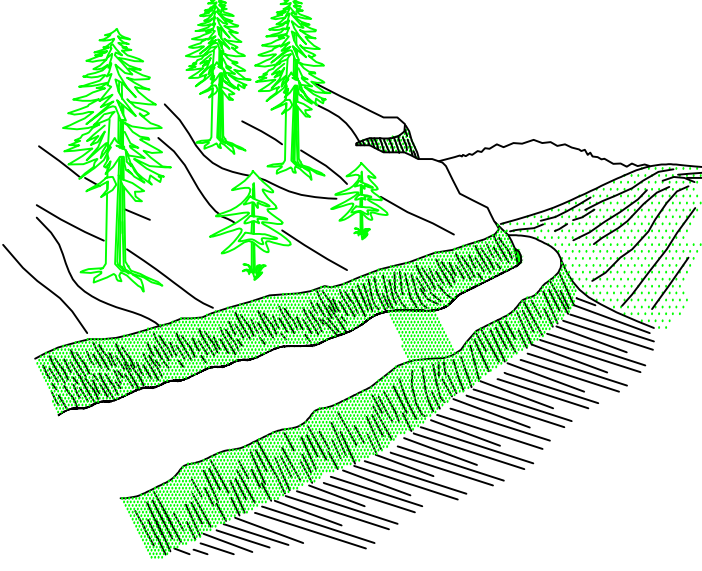
EXHIBIT D



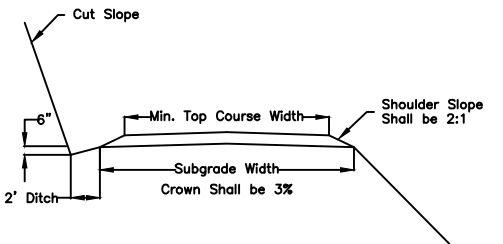
BARRIER



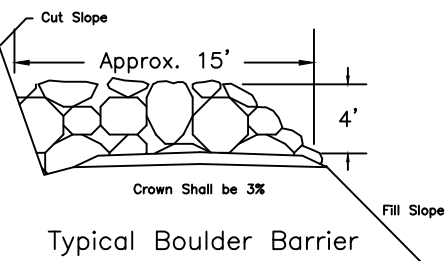
WATER BAR



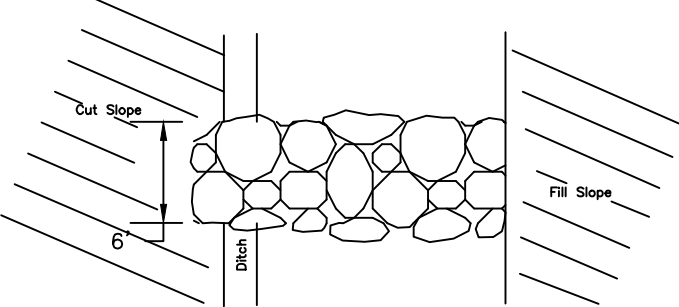
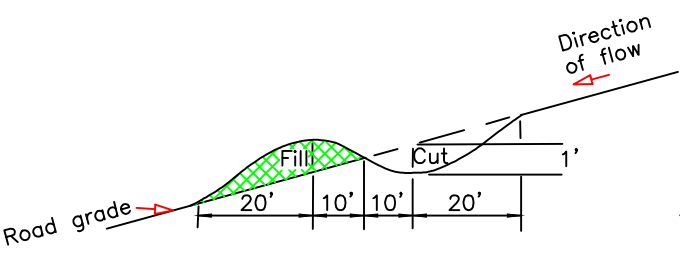
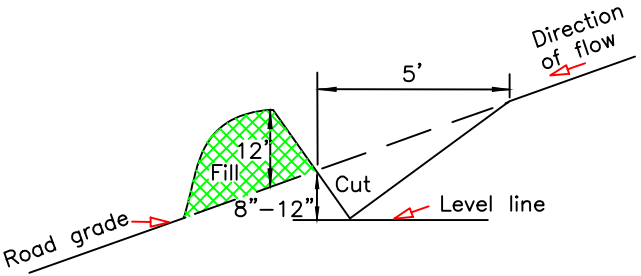
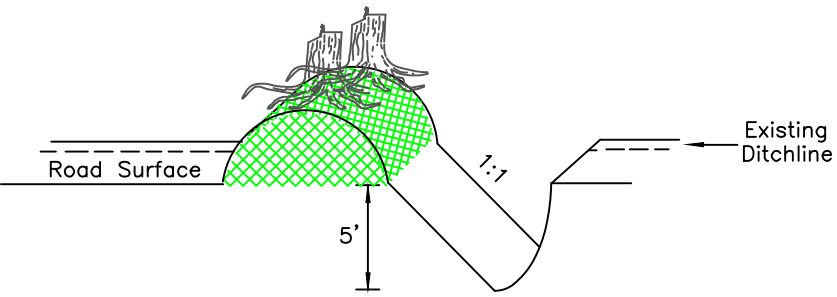
WATER DIP



Typical Surfacing Section



Typical Boulder Barrier

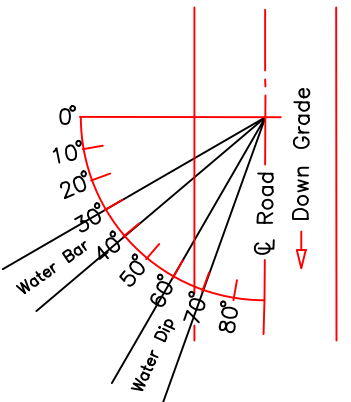


Plan View Boulder Barrier

NOTES

1. All barriers, water bars, and water dips, shall be constructed as shown above, prior to October 1.
2. Exact structure locations will be agreed upon with the Authorized Officer prior to construction.
3. All water bars and water dips shall be cut into the roadbed from the ditchline, using ditchline as starting elevation for structure invert.
4. Ditchlines shall be blocked with excavated material (ditch dam) downgrade from all water bars and water dips, to deflect water flow into road-crossing trench.
5. The invert grade of water bars and water dips shall be outsloped a minimum of 5%, or 2% more than road grade, whichever is greater.
6. All water bars shall be skewed 30°–40° downhill (from perpendicular). All water dips shall be skewed 60°–70° downhill (from perpendicular). See skew diagram.
7. All water bar and water dip berms (fills) shall be compacted to 85% of maximum density. Water dips shall be built for vehicle passage without degradation.
8. Additional rip rap barrier width is required on flat areas (adjacent to road surface) to achieve road blockage. Barrier height shall be a minimum of 4'.
9. Minimum of 30 tons of boulders shall be used per boulder barrier.

SKIEW DIAGRAM



WATER DIP/BAR SPACING

ROAD GRADE	Road Surface	
	Natural	Rock or Paved
%	FEET	FEET
3–5	200	400
6–10	150	300
11–15	100	200
16–20*	75	150
21–35	50	100
36+	50	50

* ON GRADES IN EXCESS OF 14% CONSTRUCT WATER BARS.



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
COOS BAY DISTRICT OREGON

BARRIER AND EROSION CONTROL DETAIL

DESIGNED Ronald Shipp
REVIEWED Dennis Higgs
APPROVED Kathy Hoffine

DRAWN JB/RCS SCALE NONE
DATE 1/12 SHEET 4 OF 11

SPECIAL DETAILS

Spill Containment

Spill containment kit is required on-site during work. Kit contents shall include absorbent booms (two bales, four 8" x 10" booms/bale), absorbent pads (two bales, one hundred 17" x 19" x 1/4" pads/bale), heavy duty garbage bags, gloves (PVC and latex), and goggles.

Equipment Washing

The Purchaser is responsible for vehicle/equipment entrance cleaning in accordance with the Exhibit F.

Soil Stabilization

All disturbed or exposed soil, within the spur/landing right-of-way, or connected with the road construction, renovation, or decommissioning of this sale, shall be seeded, fertilized, and mulched in accordance with the following:

The Government will furnish native seed mix, when available, to be used by the Purchaser. Contact Jennifer Sperling at the BLM Coos Bay District Office. Give a minimum of three days notice. Seed shall be picked-up at the Coos Bay BLM District Office warehouse. Total area for seeding is approximately 1.4 acres.

The native seed mix shall be applied at the rate of 30 pounds per acre (or one pound per 1,000 square feet). Sand can be mixed with the native seed to aid broadcast seeding. A generic fertilizer of 16-16-16 NPK shall be used at a rate of 200 pounds per acre. Approved mulch material shall be applied at the rate of two tons per acre.

Straw mulch shall be from oats, wheat, rye, or other approved grain crops which are free from noxious weeds, mold, or other objectionable materials.

Grass straw mulch shall be from perennial grass or, if specified, an annual rye grass, from which the seed has been removed. The straw shall be free from noxious weed seed, mold, or other objectionable materials.

Mulch material shall be delivered to the work area in a dry state. Wet material will not be accepted. Material to be used in the mulching operation may be stockpiled along the road designated for treatment provided that it is maintained in a dry state, and has the approval of the Authorized Officer. Mulch shall be applied to a 2 inch depth.

Waterbars & Waterdips

Waterbars and waterdips shall be constructed in accordance with the Barrier and Erosion Control Detail. See Sheet 4 in the Exhibit D.

Road Barriers

Earth Berm Barrier - barriers shall be constructed at specified locations, and in accordance with the Barrier And Erosion Control Details in the Exhibit D, and shall facilitate drainage. Seed, fertilizer, and mulch shall be applied to all exposed soil after construction.

AGGREGATE SURFACE COURSE - 1200

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 the specifications that follow:

When crushed rock material is produced from gravel, not less than 75 percent by weight of the particles retained on the No. 4 sieve will have 3 manufactured fractured faces. If necessary to meet the above requirements or to eliminate an excess of filler, the gravel shall be screened before crushing.

Crushed rock material shall consist of hard durable rock fragments conforming to the following gradation requirements:

TABLE 1204

AGGREGATE SURFACE COURSE
CRUSHED ROCK MATERIAL

Percentage by weight passing square mesh sieves
AASHTO T 11 & T 27

GRADATION

Sieve Designation	C
1-1/2-inch	100
1-inch	-
3/4-inch	50-90
1/2-inch	-
No. 4	25-50
No. 8	-
No. 30	-
No. 40	5-25
No. 200	2-15

Crushed rock material retained on the No. 4 sieve shall have a percentage of loss of not more than 35 at 500 revolutions, as determined by AASHTO T 96. Crushed rock material shall show a durability value of not less than 35 as determined by AASHTO T 210. The crushed rock material shall show a loss of not more than 20 percent by weight, when submerged in DMSO, dimethyl sulfoxide, for five days, according to Federal Highway Administration Region 10 Accelerated Weathering Test Procedure.

- 1208a - Each layer of crushed rock material shall be thoroughly mixed on the roadbed or landing by alternately blading, to full depth, until a uniform mixture has been obtained. The mixture shall then be spread to full width. When completed, the spreading shall produce a surface which is smooth, presents uniform shoulder lines, and conforms to the specified cross section.
- 1209 - Shaping and compacting of roadbed or landing shall be completed and approved in writing, prior to placing crushed rock material, in accordance to the requirements of Subsections 500 for placing on the roadbeds. Notification for roadbed inspection, prior to rocking, shall be 3 days prior to that inspection and shall be 6 days prior to start of rocking operations.
- 1210 - Crushed rock material conforming to the requirements of these specifications shall be placed on the approved roadbed or landing in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Compacted layers shall not exceed 4 inches in depth. When more than one layer is required, each shall be shaped, processed and compacted 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.

- 1212 - Each layer of crushed rock material shall be placed, processed, shaped, moistened, or dried to a uniform moisture content suitable for maximum compaction, and compacted to full width by compaction equipment in accordance with the Authorized Officer. Minimum compaction shall be 1 hour of continuous compacting for each 150 cubic yards or fraction thereof, of crushed rock material placed per layer.

Road Pre-maintenance Narratives

All Roads

Remove any debris from the roadways and ditches, including hazard trees and brush overhanging the road.

28-9-12.5

Remove earthen barrier at Sta. 11+10.

Road Decommissioning Narratives

The following roads and landings shall be decommissioned in strict accordance with this Exhibit D, and the narratives below. Roads and landings shall be decommissioned after haul is complete and before the first rains of the wet season, but no later than October 15.

28-9-1.2

Block the access to this road with an earth berm barrier near the junction of the 28-9-1.0 road. Waterbars shall be constructed, and seed, fertilizer, and mulch shall be applied to all disturbed/bare areas.

28-9-12.5

Block the access to this road with an earth berm barrier near the beginning of the natural surface (Sta. 11+10). Waterbars shall be constructed, and seed, fertilizer, and mulch shall be applied to all disturbed/bare areas including the travelway.

Spur 1

Waterbars shall be constructed on this road, and seed, fertilizer, and mulch shall be applied to all disturbed/bare areas.

Spur 5

Block the access to this road with an earth berm barrier near the junction of the 28-9-12.2 road. Waterbars shall be constructed, and seed, fertilizer, and mulch shall be applied to all disturbed/bare areas.

ROAD MAINTENANCE SPECIFICATIONS

General road maintenance specifications are designated numerically according to the type of road work to be performed, as follows:

<u>Section</u>	
3000	GENERAL
3100	OPERATIONAL MAINTENANCE
3200	SEASONAL MAINTENANCE
3300	FINAL MAINTENANCE
3400	OTHER MAINTENANCE

GENERAL - 3000

- 3001 - The Purchaser shall be required to maintain all roads as shown on the Exhibit D maps of this contract in accordance with Sections 3000, 3100, 3200, 3300, and 3400 of this exhibit.
- 3002 - The Purchaser shall maintain the cross section of existing dirt or graveled roads to the existing geometric standards.
- 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 roads with logging units substantially completed prior to moving operations to other roads. 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.
- 3102 - The Purchaser shall furnish and place 400 yds³ (truck measure) of aggregate, conforming to the requirements in Section 1200 of Exhibit D of this contract at locations and in the amounts designated by the Authorized Officer.
- 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 or slough, 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 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 materials 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 Sale 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 traveled 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.
- 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 performed 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 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, road blockage, 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 him, prior to October 15 of 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 designated as Operator Maintenance on Sheet 1 of the Exhibit D, both 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 roads 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 road 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 Section 16(b), and 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 due to 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 10 days.

OTHER MAINTENANCE - 3400

- 3401 - The Purchaser shall repair any damage to road surfaces that was specified under Subsections 3108 and 3108a. This repair includes restoring the roadway to the designed standard, including the 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 and snow removal, the Purchaser will perform the work according to the conditions and equipment requirements set forth in the Authorization.

EXHIBIT D
ROAD MAINTENANCE APPRAISAL

SALE NO. 12-33

SALE NAME: Lost and Found CT

ROAD NUMBERS	MILES
28-9-1.0	0.3
28-9-1.2	0.2
28-9-2.1	0.4
28-9-11.1	2.3
28-9-12.2	1.9
28-9-12.5	0.3
Spur 1	0.1
Spur 4	0.1
Spur 4-5	0.1
Spur 5	0.1

TOTAL MILES = 5.8

EXHIBIT D
ROAD MAINTENANCE APPRAISAL

SALE NO. 12-33

SALE NAME: Lost and Found CT

-APPRAISAL WORKSHEET-

-SUMMARY-

1.	MOVE IN	\$1,921.00
2.	CULVERTS, SLOUGH, SLUMPS, & MISC	\$1,160.00
3.	GRADING FOR TIMBER HAUL	\$3,886.00
4.	GRADING FOR AGGREGATE HAUL	\$0.00
5.	MAINTENANCE ROCK	\$9,894.40
6.	NOXIOUS WEED EQUIPMENT WASHING	\$730.00
8.	PRE-MAINTENANCE	\$336.00
7.	DECOMMISSIONING	\$1,512.00

MAINTENANCE TOTAL: \$19,439.40

1.	MOVE-IN: EQUIPMENT	MOVE-INS	COST/MOVE	= TOTAL
	GRADER	1	\$335.30	\$335.30
	EXCAVATOR/LOG LOADER	0	\$744.60	\$0.00
	TRACTOR/D7 w/rippers	0	\$579.00	\$0.00
	BACKHOE	1	\$286.20	\$286.20
	DUMP TRUCK	0	\$147.00	\$0.00
	MULCHING EQUIPMENT	1	\$299.50	\$299.50
	EQUIPMENT WASHING	1	\$1,000.00	\$1,000.00
			TOTAL =	\$1,921.00

2. CULVERT MAINT., SLOUGH REMOVAL, SLUMP REPAIRS, ETC.

MAINT. OBLIGATION	AVE. COST	= TOTAL
5.8 MILES @	\$200.00 / MILE =	\$1,160.00

3.	GRADING FOR TIMBER HAUL			
	UNIT #	GRADINGS	X MILES	ACC. MILES
	ALL UNITS	2.0	5.8	11.6
			TOTAL MILES	11.6
	11.6 MILES @		\$335.00 / MILE =	\$3,886.00

4.	GRADING FOR AGGREGATE HAUL:			
	MILES @		\$182.00 / MILE =	\$0.00

EXHIBIT D
ROAD MAINTENANCE APPRAISAL

SALE NO. 12-33

SALE NAME: Lost and Found CT

5. MAINTENANCE & LANDING ROCK:

ROYALTY	SIZE:	1 1/2"-	SOURCE:	B & B Roads Quarry	
BASE COSTS	400	CU. YDS. @	\$13.65	=	\$5,460.00
SLOW HAUL	0	CU. YDS. @	\$1.93	=	\$0.00
MED. HAUL	400	CU. YDS. @	\$0.97	10.8	4,190.40
FAST HAUL	400	CU. YDS. @	\$0.43	0.0	-
WATER	400	CU. YDS. @	\$0.61	1.0	244.00
MED. HAUL	0	CU. YDS. @	\$0.06		
TOTAL =					\$9,894.40

6. NOXIOUS WEED EQUIPMENT WASHING \$730.00
(Entrance Only)

7. PRE-MAINTENANCE

All Roads

Remove Woody Debris from Roadway 3.0 hours \$105.00 \$315.00

28-9-12.5

Remove Barrier 0.5 hours \$42.00 \$21.00

Pre-Maintenance Total = \$336.00

EXHIBIT D
ROAD MAINTENANCE APPRAISAL

SALE NO. 12-33

SALE NAME: Lost and Found CT

8. DECOMMISSIONING:

28-9-1.2

Earth Berm Barrier	1.0 LS	\$200.00	
Waterbar construction	1.5 hours	\$126.00	
Soil stabilization	0.4 acres	\$136.00	\$462.00

28-9-12.5

Earth Berm Barrier	1.0 LS	\$200.00	
Waterbar construction	2.0 hours	\$168.00	
Soil stabilization	0.4 acres	\$136.00	\$504.00

Spur 1

Waterbar Construction	0.5 hours	\$42.00	
Soil stabilization	0.2 acres	\$68.00	\$110.00

Spur 5

Earth Berm Barrier	1.0 LS	\$200.00	
Soil stabilization	0.2 acres	\$68.00	
Waterbar Construction	2.0 hours	\$168.00	\$436.00

DECOM. TOTAL = \$1,512.00

SALE NAME: Lost and Found CT

EXHIBIT E
ROAD USE AND MAINTENANCE FEES

SALE NUMBER: 12-33

SALE VOLUME: 2274 NET MBF

A. ROAD USE FEES - Payable to Private Company:

COMPANY NAME	AGREEMENT NUMBER	ROAD NUMBER	NET MBF	USE FEE per MBF	TOTAL FEES
Plum Creek	C-344	28-9-11.1A*	620	3.00	\$1,860.00
Plum Creek	C-344	28-9-11.1B*	620	0.00	\$0.00
Plum Creek	C-344	28-9-2.1A2*	620	0.00	\$0.00
					\$0.00
					\$0.00
* System Fee				TOTAL USE FEE: \$1,860.00	

B. MAINTENANCE FEES:**1. Maintenance and Rockwear Fees Payable to the U.S. (BLM Maintained Roads):****a. Timber Haul:**

Surface Type	ROAD NUMBER	NET MBF	ROAD MILES	SURFACE REPLACEMENT /MBF/Mile	Subtotal	REGULAR MAINT. /MBF/Mile	Subtotal	TOTAL FEE
					\$0.00		\$0.00	\$0.00
					\$0.00		\$0.00	\$0.00
					\$0.00		\$0.00	\$0.00
					\$0.00		\$0.00	\$0.00
					\$0.00		\$0.00	\$0.00
			0		\$0.00		\$0.00	\$0.00

2. ROCKWEAR Fees Payable to the U.S. (OPERATOR Maintained Roads):**a. Timber Haul:**

Surface Type	ROAD NUMBER	NET MBF	ROAD MILES	SURFACE REPLACEMENT /MBF/Mile	ROCKWEAR Subtotal
rock	Spur 1	582	0.02	\$0.51	\$5.94
rock	28-9-1.2	582	0.07	\$0.51	\$20.78
rock	28-9-1.2	620	0.08	\$0.51	\$25.30
rock	28-9-1.0	620	0.29	\$0.51	\$91.70
rock	28-9-2.1	620	0.36	\$0.51	\$113.83
rock	28-9-11.1C	620	0.72	\$0.51	\$227.66
rock	28-9-11.1B	620	0.20	\$0.51	\$63.24
rock	28-9-11.1A	620	0.20	\$0.51	\$63.24
natural	28-9-12.5	470	0.06	\$0.00	\$0.00
natural	28-9-12.5	526	0.06	\$0.00	\$0.00
rock	28-9-12.5	658	0.21	\$0.51	\$70.47
rock	28-9-11.1A1	1278	1.25	\$0.51	\$814.73
rock	28-9-12.2	19	0.08	\$0.51	\$0.78
rock	28-9-12.2	169	0.14	\$0.51	\$12.07
rock	Spur 4-5	169	0.09	\$0.51	\$7.76
rock	Spur 4	131	0.03	\$0.51	\$2.00
rock	28-9-12.2	131	0.06	\$0.51	\$4.01
rock	28-9-12.2	1409	0.04	\$0.51	\$28.74
rock	28-9-12.2	1578	0.06	\$0.51	\$48.29
rock	28-9-12.2	1766	0.04	\$0.51	\$36.03
rock	Spur 5	94	0.11	\$0.51	\$5.27
rock	28-9-12.2	1860	0.05	\$0.51	\$47.43
rock	28-9-12.2	1879	0.38	\$0.51	\$364.15
rock	28-9-12.2	1898	0.06	\$0.51	\$58.08
rock	28-9-12.2	2199	0.21	\$0.51	\$235.51
rock	28-9-12.2	2274	0.79	\$0.51	\$916.19
			5.66		\$3,263.19

3. ROAD MAINTENANCE AND/OR ROCKWEAR FEES - Payable to Private Company:

Surface Type	COMPANY NAME	AGREEMENT NUMBER	ROAD NUMBER	NET MBF	ROAD MILES	MAINTENANCE and/or ROCKWEAR FEE /MBF/MILE	TOTALS
rock	Plum Creek	C-344	28-9-11.1A*	620	0.20	\$0.00	\$0.00
rock	Plum Creek	C-344	28-9-11.1B*	620	0.20	\$0.00	\$0.00
rock	Plum Creek	C-344	28-9-2.1*	620	0.36	\$0.00	\$0.00
							\$0.00
							\$0.00
* BLM Surfacing					0.76		\$0.00

4. OPERATOR MAINTENANCE WILL BE REQUIRED ON APPROX. 5.8 MILES OF ROAD. (SEE EXHIBIT D)

SUMMARY OF ROAD USE & ROAD MAINTENANCE FEES	ROAD USE FEES		ROCKWEAR FEES		MAINTENANCE FEES	
	TOTAL	\$/MBF	TOTAL	\$/MBF	TOTAL	\$/MBF
1. COMPANY-OWNED ROADS:	\$1,860.00	\$0.82	\$0.00	\$0.00		\$0.00
2. BLM-MAINTAINED ROADS:			\$0.00	\$0.00	\$0.00	\$0.00
3. OPERATOR-MAINTAINED ROADS:			\$3,263.19	\$1.43		\$0.00
	\$1,860.00	\$0.82	\$3,263.19	\$1.43	\$0.00	\$0.00

	TOTAL	\$/MBF
MAINTENANCE OBLIGATION PAYABLE TO BLM:	\$3,263.19	\$1.43

Exhibit F
Sheet 1 of 1

SPECIAL PROVISIONS TO CONTROL THE SPREAD OF NOXIOUS WEEDS

Vehicle and Equipment Cleaning

1. Cleaning shall consist of the removal of soil and debris by washing with a high pressure hose or steam cleaning. Cleaning and inspection sites will be agreed to by Purchaser and BLM. All petroleum product residues shall be contained at wash sites and dealt with in accordance to DEQ standards. Contractor shall provide an approved plan for the cleaning station that demonstrates that the station meets all DEQ and water quality regulations. All necessary permits shall be obtained by the contractor.

2. All equipment parts shall be cleaned as designated by the Authorized Officer, including removal of tractor belly plates, in accordance with Sec. A.1 above.

All construction, logging and slash disposal equipment shall be cleaned prior to entering the contract area. The Authorized Officer will determine if log trucks and vehicles used for transportation of personnel shall be cleaned, based upon the location of use immediately prior to current timber sale. If the vehicles have been in a weed-infested area, they shall be washed before entering Contract Area, as shown on Exhibit A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Timber - Sale - Summary

Coos Bay
Lost and Found CT
TS 12-33

Legal Description

Forest Type	Township	Range	Section	Subdivision
CBWR	28S	9W	1	Lot 2, Lot 3, SW1/4NE1/4, SE1/4NW1/4, SW1/4, SW1/4SE1/4
CBWR	28S	9W	11	SW1/4NE1/4, SE1/4NW1/4, NE1/4SW1/4, W1/2SE1/4, SE1/4SE1/4
CBWR	28S	9W	12	SW1/4SW1/4

Cutting Volume (16' MBF)

Unit	DF	WH	RA						Total	Regen	Partial	ROW
1	342	67	5						414	0	22	0
2	171	33	2						206	0	11	0
3	544	106	8						658	0	35	0
4	248	49	3						300	0	16	0
5	249	49	3						301	0	16	0
6	326	64	5						395	0	21	0
Totals	1,880	368	26						2,274	0	121	0

Logging Costs per 16' MBF

Stump to Truck	\$	241.43
Transportation	\$	52.57
Road Construction	\$	0.00
Road Amortization	\$	0.82
Road Maintenance	\$	9.98
Other Allowances :		

Habitat Creation	\$ 4.04
Landing pullback	\$ 0.29
Slash Disposal	\$ 0.75
Vehicle Washing	\$ 0.56
Total Other Allowances :	\$ 5.64

Profit & Risk

Total Profit & Risk	10 %
Basic Profit & Risk	7 % + Additional Risk 3 %
Back Off	0 %

Tract Features

Avg Log	Douglas-fir : 37 bf	All : 38 bf
Recovery	Douglas-fir : 95 %	All : 94 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume (16' MBF per Acre)		19
Avg Yarding Slope		35 %
Avg Yarding Distance (feet)		278
Avg Age		55
Volume Cable		100 %
Volume Ground		0 %
Volume Aerial		0 %
Road Construction Stations		0.00
Road Improvement Stations		0.00
Road Renovation Stations		0.00
Road Decommission Stations		21.10

Cruise

Cruised By	Morgan, Wooley, Wells, Sill
Date	09/30/2011
Type of Cruise	VP
County, State	Coos, OR

Net Volume

Green (16' MBF)	2,274
Salvage (16' MBF)	0
Douglas-fir Peeler	0
Export Volume	0
Scaling Allowance (\$0.50 per 16' MBF)	\$1,137.00

Total Logging Costs per 16' MBF

\$ 310.44

Utilization Centers

Center #1 : Winchester, OR	30 Miles
Center #2	0 Miles
Weighted distance to Utilization Centers	30

Length of Contract

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Coos Bay
Lost and Found CT
TS 12-33

Stumpage Summary

Stumpage Computation (16' MBF)

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	12,529	1,880	\$ 419.69	\$ 41.97	\$ 310.44			\$ 67.30	\$ 126,524.00
WH	2,451	368	\$ 335.68	\$ 33.57	\$ 310.44			\$ 33.60	\$ 12,364.80
RA	202	26	\$ 419.91	\$ 41.99	\$ 310.44			\$ 67.50	\$ 1,755.00
Totals	15,182	2,274							\$ 140,643.80

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				25.0	64.0	11.0
Western Hemlock				27.0	61.0	12.0
Red Alder		23.0	38.0	39.0		

Marginal Log Volume

Species	Grade #7	Grade #8
Douglas-fir		
Western Hemlock		
Red Alder		

Appraised By : Sill, Tom

Date : 03/12/2012

Area Approval By : Wooley, Michael

Date : 03/14/2012

District Approval By : Morgan, Estella

Date : 04/03/2012

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Coos Bay
Lost and Found CT
TS 12-33

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	12,529	1,880	1,665	3,475
Western Hemlock	2,451	368	307	674
Red Alder	202	26	20	51
Total	15,182	2,274	1,992	4,200

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
2,415	15,182	159	12.0	2,389	62,712	38

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
62,712	1,208	63,920	4.2	2,274	2,415	94 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
1,982	12,529	158	12.0	1,966	52,877	37

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
52,877	881	53,758	4.3	1,880	1,982	95 %

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1		22		22
2		11		11
3		35		35
4		16		16
5		16		16
6		21		21
Totals :		121		121