

Oregon Department of Forestry

2600 State St Salem OR 97310

PART III: EXHIBITS **EXHIBIT B**

TIMBER SALE OPERATIONS PLAN

(See page 2 for instructions)

Date Received by State:	:		(5) State B	rand Information (Cor	mplete)
(1) Contract Number:	WO-341-2022	2-W00683-01			
(2) Sale Name:	Rebott				
(3) Contract Expiration [Date: 10/31/20	023			
(4) Purchaser Name:					
(6) State Representative	es:		 ,		
Name		Circle One	Phone No.	Cell No.	Alt Phone
	L	ogging Projects All			
	L	ogging Projects All			
	L	ogging Projects All			
	L	ogging Projects All			
(7) Purchaser Represen	tatives:	Circle One	Phone No.	Cell No.	Alt Phone
	L	ogging Projects All			
	L	ogging Projects All			
		ogging Projects All			
		_ogging Projects All	1		
		ogging Projects All			
		ogging Projects All			
		ogging Projects All	1		1
8) Name of Subcontracto					
•	ractor Name.	Start Date	Completion Date	Cell No.	Alt Phone
Sub	contractor Nan	<u>ne.</u> <u>S</u>	Start Date	Cell No.	Alt Phone
ELLING					
'ARDING					
9) Comments:					

⁽¹⁰⁾ Operations Map: Attach a copy of timber sale Exhibit A or other suitable map which plainly shows the items listed on the instruction sheet.



Oregon Department of Forestry

2600 State St Salem OR 97310

PART III: EXHIBITS

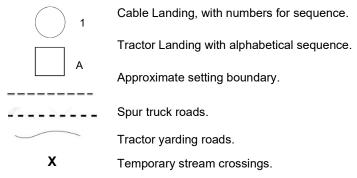
EXHIBIT B INSTRUCTION SHEET FOR OPERATIONS PLAN

SUBMIT ONE COPY OF PLAN STATE

Operations shall be limited to the work shown in the plan until a revised plan or supplemental plan is submitted covering additional work. Compliance with this plan is not in lieu of compliance with any federal requirements related to the federal Endangered Species Act. If STATE has prepared a required Forest Practices Act (FPA) "Written Plan" for operations, PURCHASER shall comply with all provisions of the Written Plan.

Explanation of Item No.(from Page 1)

- (5) All sales require you to use a brand furnished by STATE. If the State brand has not been assigned when the plan is submitted, it will be furnished and assigned later. Complete drawing. If more than one brand is assigned to the sale, complete both drawings.
- (6) The contract requires you to have a designated representative available on the sale area or work location who is authorized to receive in your behalf any notice or instruction given by STATE and to take action in regard to performance under the contract. If logging and project work is widely separated, a representative is required for each.
- (7) The STATE representative will be designated when your plan is approved and is the person who will inspect and issue instructions regarding performance.
- (8) Show names of subcontractors to be used for any or all phases of the operations. If subcontractors are not Known, or are changed later, give notification to the STATE representative prior to commencement of work by subcontractor.
- (9) Show projected dates for commencement of both projects and logging. If projected dates need to be changed at a later date, notification must be given to the STATE representative by supplemental plan or otherwise, prior to commencement of such operations.
- (10) The STATE representative will furnish extra copies of Exhibit A of the contract for your use in preparing the operations map. The map shall use the following legend and show:
 - 1. Landing locations, approximate setting boundaries, and probable sequence of logging the settings. Number the settings in sequence.
 - 2. Locations of spur roads planned for construction, other than required by the timber sale contract. Provide spur road specifications
 - Locations of proposed tractor yarding roads. Show if and how marked on the ground.
 - 4. Locations of temporary stream crossings.
 - 5. List the sequence of performing project work.
 - 6. Location of rock sources attach pit development plans.





Oregon Department of Forestry

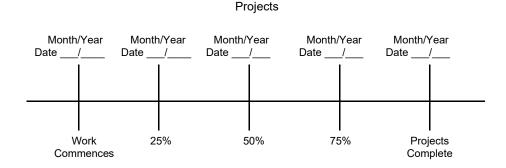
2600 State St Salem OR 97310

PART III: EXHIBITS **EXHIBIT B**

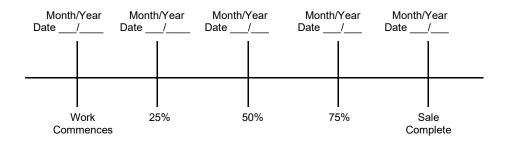
OPERATIONS PLAN

Completion Timeline

Indicate on the appropriate timeline below, the dates by which you plan to complete the work as required under this contract. The purpose of this section is to develop a plan that will ensure you complete the work as required and meet the interim completion date(s) and contract expiration date. This plan is incorporated and made a part of the contract. When, in the opinion of STATE, operations are not commencing in a manner that meets the intent of this plan, you may be placed in violation of contract and your operations suspended until an amended plan is submitted and approved by STATE.



Harvest & Other Requirements



The Federal Endangered Species Act (ESA) prohibits a person from taking any federally listed threatened or endangered species. Taking under the federal ESA may include alteration of habitat. STATE's approval of this plan does not certify that PURCHASER's operation under the plan is lawful under the federal ESA. As provided in the timber sale contract, PURCHASER's must comply with all applicable state, federal, and local laws.

PURCHASER's compliance with this plan is not in lieu of compliance with any federal requirements related to the federal Endangered Species Act.

APPROVED; Date:	SUBMITTED BY:
	PURCHASER
STATE OF OREGON - DEPARTMENT OF FORESTRY	
Title	Title



Oregon Department of Forestry EXHIBIT C - SAWMILL GRADE (WESTSIDE SCALE) SCALING INSTRUCTIONS - LOCATION APPROVAL - BRAND INFORMATION West Oregon - NWOA

(1) ORIGINAL REGIS	TRATION					(9) SALE NAME: Rebott
REVISION NUMBE	ER <u>00</u>					COUNTY: Benton
CANCELLATION		☐ Dat	e			(10) STATE CONTRACT NUMBER:
(2) TO:						WO-341-2022-W00683-01
(TI	nird Party	Scaling Orgar	nization)		(11) STATE BRAND REGISTRATION NUMBER:
(3) FROM: West Ore	gon Ph	one <u>(541</u>	929-3	3266		
(State Forest	• ,					(12) STATE BRAND INFORMATION:
	LSEA HW					
	MATH,OR	97370				
(4) PURCHASER:						.) (
Mailing Address:						
Phone Number:						- . (13) PAINT REQUIRED: YES ☑
(5) MINIMUM S	CALING	SPECIFICA	ATION	S		COLOR: Orange
SPECIES	I./	IINIMUM NE	T VOI	LIME		(14) SPECIAL REQUESTS (Check applicable)
Conifers	10	10		LOWIL		
Hardwoods		10				PEELABLE CULL (all species) ☑
			-			NO DEDUCTIONS ALLOWED FOR MECHANICAL DAMAGE ☑
*Apply minimum volu	ume test to	whole logs o	ver 40'	Westsic	le	
(6) WESTSIDE SCALE	<u>:</u>					ADD-BACK VOLUME - Deductions due to delay ☑
Use Region 6 actual t	aper rule.	Logs over 40'				OTHER:
		YES	NO			(15) REMARKS: "Mule Train" loads require a load ticket for
(7) Weight Scale Sam	ple		$\overline{\checkmark}$			each set of bunks.
(8) APPROVED SCAL		(0				ı
LOCATIONS		Species	Yard	Truck	Weight	
(as shown on the ODF Approv Locations website)	/ed	Spe	>	Ĕ	We	L Operator's Name (Optional inclusion by District):
						(16) SIGNATURES:
						Purchaser or Authorized Representative Date
						State Forester Representative Date
				-		otate i orestor representative Date
						OLI E LE DE LE PRINTINAME
				I		State Forester Representative PRINT NAME



Oregon Department of Forestry EXHIBIT C - SAWMILL GRADE INSTRUCTIONS FOR EXHIBIT C West Oregon - NWOA

Pacific Rim Log Scaling Bureau, Inc.

Yamhill Log Scaling & Grading Bureau

P.O.Box 709, Forest Grove, OR 97116

Email: office@prlsb.com

8288 28th Court North East, Lacey, WA 98516

Phone: (360) 528-8710 Fax: (360) 528-8718

Phone: (503) 359-4474 Fax: (503) 359-4476

- (1) Check appropriate box. REVISION NUMBER requires comments. CANCELLATION requires logging and hauling to be complete, recall branding hammers.
- (2) Designate Third Party Scaling Organization (TPSO).

Columbia River Log Scaling & Grading Bureau P.O.Box 7002, Eugene, OR 97401

Phone: (541) 342-6007 Fax: (541) 342-2631

Email: services@crls.com

Mountain Western Log Scaling & Grading Bureau

P.O.Box 580, Roseburg, OR 97470

Phone: (541) 673-5571 Fax: (541) 672-6381 Email: info@southernoregonlogscaling.com

Northwest Log Scalers Inc. 6137 NE 63rd St, Vancouver, WA, 98661 Phone: (360) 553-7212 ext. 4 Fax:(360) 553-7213

Email: info@nwlogscalers.com

ail: info@southernoregonlogscaling.com Email: yamhilllog@frontier.com

- (3) State District office, address, and phone.
- (4) Enter Purchaser's business name, address, and phone number as it appears on the Contract.
- (5) Minimum Scaling Specifications.
- (6) Westside Region 6 actual taper segment scale. Check Yes or No. Special Service Rules on file with TPSO. See: Segment Scaling and Grading of Long Logs All Species State Forestry Department Scaling Practices (Westside).
- (7) Weight Scale Sample Check box if sale is to be a Weight Scale Sample. All specifies for handling, scaling, and processing will be attached or explained in the Remarks section item (15).
- (8) Show scaling locations only applicable to TPSO. Location name should appear as it does on the ODF Approved Scaling Location web site: https://apps.odf.oregon.gov/Divisions/management/asset_management/scalinglocation.asp_Locations with scaling and processing directions specific to their location should be on a separate form. Species should be identified if not capable of receiving "all" species. Check appropriate box for either: yard, truck scale, or weight. Refer to the web site listed above for the location's approval status.
- (9) Enter sale name and county.
- (10) Enter sale Contract number.
- (11) Enter Oregon's State Brand Registry Number (**REQUIRED**).
- (12) Show brand assigned to timber sale. One brand only. If more than one brand is assigned to the sale: (1) make a separate form for each brand and (2) on each form, explain and show other brand(s) in the Remarks section item (15).
- (13) Check yes for Paint Required and designate "Orange" for color. Non required removal volumes may sometimes require blue paint.
- (14) Special Requests. These are requests that will be applied to ODF timber sales. All boxes applicable to the timber sales designated in the Exhibit C form must be "marked". If "Other" is indicated, it must contain a description and any necessary comments.
- (15) Use this space to designate any weight scale sample instructions or any other explanations to clarify scaling, processing and/or mailing requirements. If additional scaling locations are approved, revise original or current form showing all (old and new) locations. Check REVISION box at top of form and explain under remarks. Route as indicated.
- (16) Require purchaser to sign and date completed form in addition to State Forester Representative, sign <u>and</u> print name on the form. Signatures not required on revisions.

ODF/State Forests Timber Sale Exhibit C Form 629 342-307a Walt Sys Gen Report 2014 Page 3 of 3



Oregon Department of Forestry EXHIBIT C - PULP SORT PROCESSING INSTRUCTIONS - LOCATION APPROVAL BRAND INFORMATION

West Oregon, NWOA

(1)	ORIGINAL	L REGISTRATION Date	(9)	SALE NAME:	Rebott	
	REVISION	N NUMBER 000 □ Date		COUNTY:	Benton	
	CANCELL	_ATION	(10)	STATE CONTRA	ACT NUMBER:	
(2)	TO:			WO-341-2022-W0	00683-01	
	_	(Approved Pulp Processing Facility)	- (11)	STATE BRAND F	REGISTRATION NUMB	ER:
(3)	FROM:	West Oregon Phone (541) 929-3266 (State Forestry District)	(12)	STATE BRAND IN	NFORMATION:	
	Address:	24533 ALSEA HWY	_			
		PHILOMATH,OR 97370	_			
(4)	PURCHAS	SER:	-			
(5)	Scaling Bu	ureau (TPSO) Processing Weight receipts:				
	Mailing Ad	ddress:	(13)	REMARKS: "Mul	e Train" loads require a	load ticket for each set of
		,	bunk		e train loads require a	load ticket for each set of
	Phone Nu	ımber:	. L			
(6)	STATE De Sort:	efinition of Approved Pulp	Ope	rator's Name (Optic	onal inclusion by District):
	• Top portion	on of the tree (tops).				
	•	vith a diameter (Big End) greater	(14)	SIGNATURES:		
	than <u>8</u> inc	ches marked with blue paint.				
(7)	PULP FAC	CILITY PROCESSING INSTRUCTIONS:	Durc	chaser or Authorize	d Paprasantativa	Date
	•	ds shall be weighed in lieu of scaling.	i uic	chaser of Authorize	u Nepresentative	Bato
	One Ton	= 2000 lbs (Short Ton).				
	• Pulp load	ds shall have a yellow Log Load Receipt attached.	Stat	e Forester Represe	entative	Date
		eight and truck tare weight for each load shall be rinted on the weight receipt.				
	 Weigher 	shall sign the weight receipt.	Stat	e Forester Represe	entative PRINT NAME	
	 Weigher weight rec 	shall record the Log Load Receipt number on the eight.				
	 Weigher Receipt ar Weight red 	shall attach the Weight receipt to the Log Load nd mail them weekly to the TPSO processing the ceipt.				
(8)	TPSO PR	OCESSING INSTRUCTIONS				
	• Submit d	data files daily (or each day of activity).				
	• Mail or d	leliver scale tickets weekly to ODF Headquarters in				

Notify the District within one hour when branding is inadequate for quick identification, the logs are marked with orange paint, the receipts are missing, not correctly or completely filled out, and/or logs do not meet the specifications of the STATE definition of Approved Pulp Sort.

General Distribution: TPSO, Approved Scaling Locations and Purchaser.



Oregon Department of Forestry EXHIBIT C - PULP SORT INSTRUCTIONS FOR EXHIBIT C

West Oregon, NWOA

- (1) Check appropriate box. REVISION NUMBER requires comments. CANCELLATION requires logging and hauling to be complete, recall branding hammers.
- (2) Approved Pulp Processing Facility. Write in as written in the Approved Log Delivery Location https://apps.odf.oregon.gov/Divisions/management/asset management/scalinglocation.asp
- (3) State District office, address, and phone.
- (4) Enter Purchaser's business name, address, and phone number as it appears on the Contract.
- (5) Third Party Scaling Organization that will be processing the weight tickets, mailing address, and phone number.

Columbia River Log Scaling & Grading Bureau P.O.Box 7002, Eugene, OR 97401 Phone: (541) 342-6007 Fax: (541) 342-2631

Email: services@crls.com

Mountain Western Log Scaling & Grading Bureau P.O.Box 580, Roseburg, OR 97470 Phone: (541) 673-5571 Fax: (541) 672-6381 Email: info@southernoregonlogscaling.com

Northwest Log Scalers Inc. 6137 NE 63rd St, Vancouver, WA, 98661 Phone: (360) 553-7212 ext. 4 Fax:(360) 553-7213 Email: info@nwlogscalers.com Pacific Rim Log Scaling Bureau, Inc. 8288 28th Court North East, Lacey, WA 98516 Phone: (360) 528-8710 Fax: (360) 528-8718 Email: office@prlsb.com

Yamhill Log Scaling & Grading Bureau P.O.Box 709, Forest Grove, OR 97116 Phone: (503) 359-4474 Fax: (503) 359-4476 Email: yamhilllog@frontier.com

- (6) Big end of log is not to exceed 2 inches greater than the minimum removal specifications in the contract. Example: Minimum removal specifications 6 inches and 20 board feet, then the Big end of log not to exceed 8 inches. When conifer and hardwood removal specifications are different, use the smaller removal diameter to determine this specification.
- (9) Enter sale name and county.
- (10) Enter sale Contract number.
- (11) Enter Oregon's State Brand Registry Number (REQUIRED).
- (12) Show brand assigned to timber sale. One brand only, if more than one brand is assigned to the sale: (1) make a separate form for each brand and (2) on each form, explain and show other brand(s) in the Remarks section Item (13).
- (13) Use this section to list any special instructions or the reason for any revisions in section item (1).
- (14) Require purchaser to sign and date completed form in addition to State Forester Representative, sign, <u>and</u> print name on the form. Signatures not required on revisions.

FOREST ROAD SPECIFICATIONS

SUBGRADE WIDTH	SURFACED WIDTH	POINT TO POINT	STATION TO STATION	DRAINAGE
14 feet	12 feet	A to B	0+00 to 6+10	Outsloped
14 feet	12 feet	C to D	0+00 to 3+20	Outsloped
14 feet	12 feet	1 to 2	0+00 to 156+00	Crowned
14 feet	12 feet	3 to 4	0+00 to 70+00	Crowned
14 feet	12 feet	5 to 6	0+00 to 20+20	Crowned
14 feet	12 feet	7 to 8	0+00 to 12+20	Outsloped
14 feet	12 feet	9 to 10	0+00 to 14+00	Crowned
14 feet	12 feet	11 to 12	0+00 to 3+70	Outsloped
14 feet	12 feet	13 to 14	0+00 to 6+50	Outsloped
14 feet	12 feet	15 to 16	0+00 to 18+50	Outsloped

<u>CLEARING</u>. This work shall consist of clearing, removing, and disposing of all trees, Snags, Down Timber, brush, surface objects, and protruding obstructions within the clearing limits.

All danger trees, leaners, and Snags outside the clearing limits which could fall and hit the road shall be felled.

CLEARING CLASSIFICATION.

New Construction - Where clearing limits have not been marked, the clearing limits shall extend 5 feet back of the top of the cutslope and 5 feet out from the toe of the fill slope, or as directed by STATE.

Improvement - Where clearing limits have not been marked, the clearing limits shall extend 5 feet back of the top of the cutslope and 5 feet out from the toe of the fill slope, or as directed by STATE.

GRUBBING. This work shall consist of the removal or digging out of stumps and protruding objects.

All stumps shall be completely removed within the limits of required grubbing. Stumps overhanging cut slopes shall be removed.

GRUBBING CLASSIFICATION.

New construction - from the top of the cut slope to the toe of the fill.

Improvements and reconstructions - 4 feet back from the shoulder of the subgrade or ditch, whichever is widest, or as marked in the field.

<u>CLEARING AND GRUBBING DISPOSAL</u>. Clearing and grubbing debris shall not be placed or permitted to remain in or under any road embankment sections. Clearing and grubbing debris shall be left in a stable location, and not left lodged against standing trees.

Clearing, grubbing, and associated disposal shall be completed prior to subgrade approval.

FOREST ROAD SPECIFICATIONS

<u>EXCAVATION</u>. Excavation and grading shall not be done when weather and/or ground conditions are such that damage will result to existing subgrade or cause excessive erosion.

Excavation shall conform to STATE-specified lines, grades, dimensions, and plans when provided.

Unless road plans show otherwise, all roads shall be on a balanced cross section, except when the slope is over 50 percent, the road shall be on full bench for the width specified.

Suitable excavated material shall be used for the formation of fills, shoulders, and drainage structure backfills. Embankment materials shall be free of woody debris, brush, muck, sod, frozen material, and other deleterious materials.

Sidecast includes any road generated excess excavation material which is not essential as part of the road prism, is not compacted, and is below the roadway. Sidecast shall not be placed where it will enter a stream course. Leaving sidecast below the road is only permissible if specifically allowed in "Full Bench and End Haul Requirements" in this Exhibit.

All fills shall be machine compacted according to the "Compaction and Processing Requirements" in this Exhibit.

ROAD WIDTH LIMITATIONS. PURCHASER shall obtain advance written approval from STATE to construct the road to a greater width than specified. Extra subgrade width shall be required for:

Fill Widening. Add to each fill shoulder 1 foot for fills 3 feet to 6 feet high; 2 feet for fills over 6 feet high.

<u>Curve Widening</u>. Widen the inside shoulder of all curves as specified in the plans or as follows: 400 divided by the radius of the curve equals the amount of extra width.

DRAINAGE

<u>Subgrade</u>. Subgrade shall be crowned at 4 to 6 percent or outsloped at 3 to 4 percent as shown on the "Forest Road Specifications" table in this Exhibit.

<u>Ditch</u>. Construct V shaped ditch 3 feet wide and to a depth of 1 foot below subgrade.

<u>Ditchouts</u>. Construct ditchouts to drain away from subgrade at locations marked in the field or as directed by STATE.

<u>TURNOUTS</u>. Increase roadbed width an additional 8 feet for both subgrade and surfacing. Length shall be at least 50 feet, or as staked on the ground, plus 25-foot approaches at each end.

Location: Intervisible but not greater than 750 feet apart and as marked in the field.

SLOPES	Cut Slopes	Fill Slopes
Solid Rock	Vertical to 1/4:1	
Fractured Rock	1/2 :1	
Soil - side slopes 50% and over	³ ⁄ ₄ :1	1½:1
Soil - side slopes less than 50%	1 :1	1½:1

Top of cut slope shall be rounded.

<u>LANDINGS</u>. Landings shall be constructed as posted in the field, no less than 50 feet wide and no more than 70 feet wide unless otherwise approved by STATE. Surface is to be crowned for drainage with general grade no more than 3 percent. Surface as shown in the "Road Surfacing" table in this Exhibit.

<u>TURNAROUNDS</u>. Increase subgrade width an additional 20 feet for a length of 20 feet at locations marked in the field.

<u>SEASONAL WINTERIZATION</u>. All unsurfaced roads or unfinished subgrades shall be waterbarred in accordance with the specifications in these Exhibits, and blocked from vehicular traffic prior to October 1, annually and as directed by STATE.

FOREST ROAD SPECIFICATIONS

GENERAL ROAD CONSTRUCTION INSTRUCTIONS:

- (1) <u>Timber Removal</u>. Removal all trees within posted Right-of-Way boundary as specified in Section 2210, "Designated Timber."
- (2) <u>Excavated Materials</u>. Excavated materials shall be utilized for road construction and hauled in where necessary. Surplus excavation materials shall be hauled to the waste areas as marked in the field and/or designated on Exhibit A. Surplus excavated materials and waste materials shall be sloped and compacted for drainage. Fills shall be thoroughly compacted in accordance with this Exhibit.
- (3) <u>Drainage Ditches</u>. Construct ditchlines, including ditchouts, as directed by STATE. Cut slopes of ditchlines and ditchouts shall not exceed a 1:1 slope. Construct culvert sediment basins. Waste materials from drainage ditches and sediment basins shall be placed in nearby waste areas and uniformly sloped and compacted for drainage, as directed by STATE.
- (4) <u>Equipment</u>. All excavation and riprap placement shall be performed using a minimum 1½ cubic-yard, track-mounted excavator.
- (5) Subgrade Preparation and Application of Surfacing Rock.
 - (a) Complete culvert installations, drainage ditches, ditchouts, fill construction, and other specified work prior to the application of surfacing rock.
 - (b) Subgrade shall be crowned at 4 to 6 percent or outsloped at 3 to 4 percent.
 - (c) Upon completion of above required work, apply, process, and compact surfacing rock in accordance with specifications in the "Compaction and Processing Requirements" in this Exhibit. Final road surface shall be crowned at 4 to 6 percent or outsloped at 3 to 4 percent.

FOREST ROAD SPECIFICATIONS

SPECIFIC ROAD CONSTRUCTION INSTRUCTIONS (Project 1)

A to B	0+00 to 6+10	Construct a 14' wide outsloped subgrade road with dozer. Shape subgrade with grader and compact subgrade with vibratory roller. Apply 8" lift (270 CY) of jaw-run rock for base rock. Shape surface with grader and compact with vibratory roller.
	0+00 to 4+40	Apply 2" lift (50 CY) of 3"-0" rock for surface rock. Shape surface with grader and compact with vibratory roller. (Pt. A to Pt. C)
	6+10 (Pt. B)	Construct Landing and compact with vibratory roller. Utilize 40 CY of jaw-run rock for Landing rock (Pt. B).
C to D	0+00 to 3+20	Construct a 14' wide outsloped subgrade road with dozer. Shape subgrade with grader and compact subgrade with vibratory roller. Apply 8" lift (140 CY) of jaw-run rock for base rock. Apply 10 CY of jaw-run rock for turnaround rock at Pt. C. Shape surface with grader and compact with vibratory roller.
	3+20 (Pt. D)	Construct Landing and compact with vibratory roller. Utilize 40 CY of jaw-run rock for Landing rock.

FOREST ROAD SPECIFICATIONS

GENERAL ROAD IMPROVEMENT INSTRUCTIONS:

- (1) <u>Timber Removal</u>. Remove all trees within posted Right-of-Way Boundary as specified in Section 2210, Designated Timber.
- (2) <u>Bank Slough Removal</u>. Excavate all bank slough. Bank slough material shall not be pulled across existing surfacing rock. Excavated material shall be hauled to the designated waste areas as marked in the field and/or designated on Exhibit A.
- (3) <u>Culvert Replacement, Culvert Installation, Fill Reconstruction, and Fill Removal</u>. Existing culvert geometry shall be modified to provide for optimum drainage and culvert performance. Modifications may include, skewing the culvert and/or installing the culvert at gradients equal to or exceeding the drainage (or ditch) gradient. Where fill reconstruction or culvert replacement is specified, fills shall be excavated to natural stream course levels. All woody debris encountered during fill excavation shall be removed. Fill reconstruction backfill shall consist of select materials and may be obtained from borrow pits, as directed by STATE. Unsuitable backfill material shall be hauled to the designated waste areas as marked in the field and/or designated on Exhibit A. STATE may require the use of crushed rock for culvert bedding and backfill according to the "Specific Road Construction Instructions." Backfill materials shall be thoroughly compacted in accordance with this Exhibit.
- (4) <u>Drainage Ditches</u>. Restore or construct ditchlines, including ditchouts, as directed by STATE. Clean out all culvert inlets and outlets for a 10-foot radius. Re-establish or construct culvert sediment basins. Waste materials from drainage ditches and sediment basins shall not be pulled across existing surfacing rock, but shall be placed in nearby waste areas. Install a culvert marker at each newly installed culvert.
- (5) <u>Sod Removal</u> Scrape off sod and grass from road surfacing where needed. Sod material shall be scattered in stable locations through openings in the timber outside of the cleared right-of-way.
- (6) Equipment. All excavation and riprap placement shall be performed using a minimum 1½ cubic yard, track-mounted excavator.
- (7) Waste areas shall be uniformly sloped and compacted for drainage.
- (8) Subgrade Preparation and Application of Surfacing Rock.
 - (a) Complete culvert installations, drainage ditches, fill reconstruction, ditchouts, and other specified work prior to the application of new surfacing rock.
 - (b) Cut out all potholes and washboard sections from the existing surfacing.
 - (c) Apply required patching and leveling rock, as directed by STATE.
 - (d) Process (grade and mix) the existing surface and added base rock. Provide for a crown at 4 to 6 percent or outslope of 3 to 4 percent, and compact in accordance to the "Compaction and Processing Requirements" in this Exhibit.

FOREST ROAD SPECIFICATIONS

SPECIFIC ROAD IMPROVEMENT INSTRUCTIONS (Project 2)

Segment	Station	Work Description
	0+00	Clean culvert inlets and outlets (approximately 2). Utilize 30 CY of 1 ½"-0"
1 to 2	to	rock for spot rock (as directed by STATE). Shape surface with grader and compact surface with vibratory roller (50 Stations) as directed by STATE.
	156+00	compact durace with vibratory roller (or challone) as an october by CT/VI 2.
3 to 4	0+00	Utilize 60 CY of 1 ½"-0" rock for spot rock (as directed by STATE). Shape
	to	surface with grader and compact surface with vibratory roller (Pt. 15 to Pt. 4).
	70+00	
	54+60	Utilize 30 CY of 3"-0" rock for (in road) Landing rock.
	(Pt 15)	
	58+70	Construct roadside Landing with dozer. Apply 40 CY of jaw-run rock for Landing rock.
	61+20	
	to	Remove sod with a grader.
	70+00	
5 to 6	0+00	Shape surface with grader and compact with vibratory roller (Sta. 14+00 to
	to	20+20). Apply 20 CY of 3"-0" rock for turnaround rock at Station 14+10.
	20+20	
	17+10	Apply 30 CY of 3"-0" rock for spot rock as directed by STATE.
	to	
	18+40	
7 to 8	0+00	Utilize 20 CY of 1 1/2"-0" rock for spot rock (as directed by STATE). Shape
	to	surface with grader and compact surface with vibratory roller (3 Stations) as directed by STATE.
	12+20	
9 to 10	0+00	Remove sod with grader. Utilize 40 CY of 1 ½"-0" rock for spot rock (as
	to	directed by STATE). Shape surface with grader and compact with vibratory roller.
	14+00	
11 to 12	0+00	Remove sod with grader. Apply 2" lift (40 CY) of 1 ½"-0" rock for surface
	to	rock. Shape surface with grader and compact with vibratory roller.
	3+70	
	3+70	Re-open Landing with grader. Utilize 30 CY of jaw-run rock for Landing rock (Pt. 12).

FOREST ROAD SPECIFICATIONS

SPECIFIC ROAD IMPROVEMENT INSTRUCTIONS (continued) (Project 2)

13 to 14	0+00	Remove sod with grader. Apply 2" lift (70 CY) of 1 ½"-0" rock for surface rock. Shape surface with grader and compact with vibratory roller.
	to	Took. Onape surface with grader and compact with vibratory folior.
	6+50	
	6+50	Re-open Landing with grader. Utilize 30 CY of jaw-run rock for Landing rock (Pt. 14).
15 to 16	0+00	Utilize 40 CY of 1 ½"-0" rock for spot rock (as directed by STATE). Shape
	to	surface with grader and compact surface with vibratory roller (9 Stations) as directed by STATE.
	18+50	

ROAD SURFACING

ROAD SEGMENT	A to B			POINT TO POINT		Sta. to Sta.			
			Depth of	А	to B	0+00 to 6+10		TOTAL	TOTAL
Application	Rock Size and Type	Location	Rock (inches)	Volume (CY) per		Number of		VOLUME (CY)	VOLUME (TONS)
Base Rock	Jaw-Run	0+00 to 6+10	8	44	Station	6.1	Stations	270	365
Surface Rock	3"-0"	0+00 to 4+40	2	11	Load	4.4	Loads	50	68
Landing Rock	Jaw-Run	Pt. B	n/a	40	Landing	1	Landing	40	54
Total Rock for Road S	Seament	A to B						360	487

Total Rock for Road Segment A to B

ROAD SEGMENT	C to D			POINT TO POINT			Sta. to Sta.		TOTAL
	Rock Size		Depth of	С	to D	0+00 t	o 3+20	TOTAL VOLUME	VOLUME
Application	and Type	Location	Rock (inches)	Volume (CY) per		Number of		(CY)	(TONS)
Surface Rock	Jaw-Run	0+00 to 3+20	8	44	Station	3.2	Stations	140	189
Landing Rock	Jaw-Run	Pt. D	n/a	40	Landing	1	Landing	40	54
Turnaround Rock	3"-0"	Pt. C	n/a	10	Turnaround	1	Turnaround	10	14
Total Dool, for Dood (2000001	C += D						400	257

Total Rock for Road Segment C to D 190 257

ROAD SEGMENT	1 to 2			POINT.	TO POINT	Sta. t	o Sta.	TOTAL	TOTAL
	Rock Size		Depth of	Volume (CY) ner		0+00 156+00 Number of		VOLUME VOLUME	-
Application	and Type	Location	Rock (inches)						(TONS)
Spot rock	1 1/2"-0"	n/a	n/a	10	Load	3	Loads	30	41
Total Rock for Road Segment		1 to 2	•					30	41

POINT TO POINT ROAD SEGMENT Sta. to Sta. 3 to 4 TOTAL TOTAL Depth of 3 to 4 0+00 to 70+00 Rock Size VOLUME VOLUME Application Location Rock (TONS) (CY) and Type Volume (CY) per Number of (inches) 1 1/2"-0" 10 60 81 Spot rock n/a n/a Load 6 Loads 3"-0" Sta. 54+60 30 30 41 Landing rock Landing Landing n/a Jaw-Run 40 54 Landing rock Sta. 58+70 n/a 40 Landing Landing

Total Rock for Road Segment 3 to 4 130 176

ROAD SEGMENT	5 to 6			POINT :	TO POINT	Sta. t	o Sta.	TOTAL	TOTAL
	Rock Size		Depth of	5	to 6	0+00	20+20	TOTAL VOLUME	TOTAL VOLUME
Application	and Type	Location	Rock (inches)	Volume	(CY) per	Numi	ber of	(CY)	(TONS)
Spot Rock	3"-0"	Sta. 17+10 to 18+40	n/a	10	Load	3	Loads	30	41
Turnaround Rock	3"-0"	Sta.14+10	n/a	20	Turnaround	1	Turnaround	20	27
T									

Total Rock for Road Segment 5 to 6 50 68

ROAD SEGMENT	7 to 8			POINT :	TO POINT	Sta. t	o Sta.		
	D I. O'		Depth of	7	to 8	0+00 to	12+20	TOTAL VOLUME	TOTAL VOLUME
Application	Rock Size and Type	Location	Rock (inches)	Volume	(CY) per	Numl	per of	(CY)	(TONS)
Spot rock	1 1/2"-0"	n/a	n/a	10	Load	2	Loads	20	27

Total Rock for Road Segment 7 to 8 20 27

ROAD SURFACING

ROAD SEGMENT	9 to 10			POINT '	TO POINT	Sta. t	o Sta.	TOTAL	TOTAL
	Rock Size		Depth of	9 t	o 10	0+00 to	14+00	TOTAL VOLUME	TOTAL VOLUME
Application	and Type	Location	Rock (inches)	Volume	(CY) per	Num	per of	(CY)	(TONS)
Spot rock	1 1/2"-0"	n/a	n/a	10	Load	4	Loads	40	54
Total Rock for Road S	Seament	9 to 10						40	54

ROAD SEGMENT	11 to 12			POINT	TO POINT	Sta.	to Sta.		
	D 10:		Depth of	11	to 12	0+00	to 3+70	TOTAL	TOTAL
Application	Rock Size and Type	Location	Rock (inches)	Volum	e (CY) per	Num	ber of	VOLUME (CY)	VOLUME (TONS)
Surface Rock	1 1/2"-0"	n/a	2	11	Station	3.7	Stations	40	54
Landing Rock	Jaw-Run	Pt. 12	n/a	30	Landing	1	Landing	30	41
Total Rock for Road S	Seament	11 to 12						70	95

ROAD SEGMENT	13 to 14			POINT	TO POINT	Sta.	to Sta.	TOTAL	TOTAL
	Rock Size		Depth of	13	to 14	0+00	to 6+50	TOTAL VOLUME	TOTAL VOLUME
Application	and Type	Location	Rock (inches)	Volume	e (CY) per	Num	ber of	(CY)	(TONS)
Surface Rock	1 1/2"-0"	n/a	2	11	Station	6.5	Stations	70	95
Landing Rock	Jaw-Run	Pt. 14	n/a	30	Landing	1	Landing	30	41
Total Rock for Road	Segment	13 to 14			•	-	•	100	136

ROAD SEGMENT POINT TO POINT Sta. to Sta. 15 to 16 TOTAL TOTAL 0+00 to 18+50 15 to 16 Depth of Rock Size VOLUME VOLUME Application Location Rock and Type (CY) (TONS) Volume (CY) per Number of (inches) 1 1/2"-0" Spot rock n/a 10 Load Loads 40 54

40

Total Rock for Road Segment 15 to 16

ROCK CONVERSION FACTORS

Size	1 1/2"-0"	3"-0"	Jaw-Run
Tons/CY	1.35	1.35	1.35

(Conversion factors from Wild Rose Quarry)

Maintenance Rock Volumes						
Rock Size	1 1/2"-0"	3"-0"	Jaw-Run			
Rock Totals CY	250	-	-			
Rock Totals TONS	338	-	-			

Total Rock Volumes For Projects						
Rock Size	1 1/2"-0"	3"-0"	Jaw-Run			
Rock Totals CY	300	140	590			
Rock Totals TONS	405	189	797			

Roads shall be uniformly graded, shaped and approved by STATE prior to rocking.

ROCK ACCOUNTABILITY

PURCHASER shall obtain subgrade approval from STATE prior to rocking. Rocking shall be limited to periods when weather conditions are acceptable to STATE and when sediment will not enter streams. Additional surfacing needed because of construction season or construction practice is not included in the preceding ROAD SURFACING table, and shall be furnished at PURCHASER expense.

Rock accountability shall be determined by the following methods, as directed by STATE. STATE shall be given 24 hours' notice prior to rocking.

<u>Depth Measurement</u>. Rock shall be spread and compacted according to the depths specified in Exhibit D. Truck measure volumes are given, but shall not limit the amount of rock spread.

Depth shall be determined in the most compacted area of the surface cross section. The depth of compacted aggregates shall not vary more than 1 inch from the depth specified in the "Road Surfacing" table in Exhibit D. The average depth for each road segment shall be the specified depth or greater. If additional rock is required because of insufficient depth, the locations and volumes to be added shall be determined by STATE.

<u>Load Records</u>. Notify STATE before spreading the rock and maintain a record of all rock delivered for spreading. Make the record available for STATE inspection. A report listing the amount of rock delivered (*the prior month) must be submitted no later than the 15th of each month.

COMPACTION AND PROCESSING REQUIREMENTS

<u>Moisture Content</u>: Compaction must take place when moisture content of the materials being compacted is favorable for effective compaction as determined by STATE.

<u>Compaction Pass</u>: A pass is defined as traveling a road section forward and then backward over that same section.

<u>Subgrade</u>. Subgrade surfaces of the road segments listed below shall be graded and compacted prior to rocking. Compaction shall be accomplished by traveling all surfaces from shoulder to shoulder until the surface is smooth and hard and visible deformation ceases. At least 3 passes shall be made over the entire width and length of the road. Compaction shall be accomplished by using one or more of the approved equipment options listed below:

Subgrade shall be crowned at 4 to 6 percent or outsloped or insloped at 3 to 4 percent as specified in the "Forest Roads Specifications" table in Exhibit D.

ROAD SEGMENT	SUBGRADE COMPACTION OPTIONS
All road segments.	1

<u>Fills</u>. Embankments and fills shall be placed in (approximately) horizontal layers not more than 8 inches in depth. Each layer shall be separately, and thoroughly, compacted. Compaction equipment shall be operated over the entire width of each layer until visible deformation of the layers ceases. At least 3 passes shall be made over the entire width and length of each layer.

Placing individual rocks or boulders with more depth than the allowed layer thickness shall be permitted, provided the embankment will accommodate them. Such rocks and boulders shall be at least 6 inches below the subgrade. They shall be carefully distributed and the voids filled with finer material, forming a dense and compacted mass. Compaction shall be accomplished by using one or more of the approved equipment options listed below:

ROAD SEGMENT	FILLS COMPACTION OPTIONS
All road segments.	1 and 2

Crushed Rock. The rock shall be uniformly mixed and spread in layers on the approved roadbed. Each layer of crushed rock shall be moistened or dried to uniform moisture content suitable for maximum compaction and compacted in layers not to exceed 6 inches in depth. When more than 1 layer is required, each shall be shaped, compacted, and approved by STATE before the succeeding layer is placed. Any irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and adding or removing material until the surface is smooth and uniform. Each layer shall be compacted with a minimum of 3 passes over the entire width and length of the road until the surface is smooth and hard and visible deformation ceases. Compaction shall be accomplished by using one or more of the approved equipment options listed below:

Rock shall be compacted and processed during the same project period it is spread, unless otherwise approved in writing by STATE.

Rock shall be crowned at 4 to 6 percent or outsloped at 3 to 4 percent as specified in the "Forest Roads Specifications" table in Exhibit D.

COMPACTION AND PROCESSING REQUIREMENTS

ROAD SEGMENT	CRUSHED COMPACTION OPTIONS
All road segments requiring crushed rock.	1

<u>Jaw-Run Rock</u>. The rock shall be uniformly mixed and spread in layers on the approved roadbed. Each layer of jaw-run rock shall be moistened or dried to uniform moisture content suitable for maximum compaction and compacted in layers not to exceed 8 inches in depth. When more than 1 layer is required, each shall be shaped and compacted before the succeeding layer is placed. Any irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and adding or removing material until the surface is smooth and uniform. Each layer shall be compacted with a minimum of 3 passes over the entire width and length of the road. Compaction shall be accomplished by using one or more of the approved equipment options listed below:)

Rock shall be crowned at 4 to 6 percent or outsloped or insloped at 3 to 4 percent as specified in the "Forest Roads Specifications" table in Exhibit D.

ROAD SEGMENT	JAW-RUN COMPACTION OPTIONS
All road segments requiring Jaw-Run	1 and 3

COMPACTION EQUIPMENT OPTIONS

- (1) <u>Vibratory Rollers</u>. The drum shall have a smooth surface, a diameter not less than 48 inches, a width not less than 58 inches, and a turning radius of 15 feet or less. Vibration frequency shall be regulated in steps to 1400, 1500, and 1600 VPM, corresponding to engine speeds of 1575, 1690, and 1800 RPM. The centrifugal force developed shall be 7 tons at 1600 VPM. It shall be activated by a power unit of not less than 25 horsepower. The vibratory roller shall be self-propelled and operated at speeds ranging from 0.9 miles to 1.8 miles per hour, as directed by STATE.
- (2) <u>Vibratory Hand-Operated or Backhoe-Mounted Tamper</u>. Vibratory hand-held or hydraulic tampers shall be used for compaction of backfill materials around culverts (and/or bridge approach embankment materials around abutments). The tamper shoe dimensions shall be a minimum of 10" X 13" and capable of a centrifugal force of 2,250 pounds.
- (3) <u>Dozer</u>. A dozer/track-type tractor weighing a minimum of 45,000 pounds as directed by STATE shall be operated over the Jaw-run rock so that the entire surface comes in contact with the tracks.

DURABLE CRUSHED ROCK SPECIFICATIONS

Grading Requirements

Oracaning readaments			
For 1½"-0"	Passing Passing Passing Passing Passing Passing Passing	2" sieve 1½" sieve 3/4" sieve 1/4" sieve No. 10 sieve No. 40 sieve	100% 90-100% 60-90% 30-50% 15-30% 7-15%
For 3"-0"	Passing Passing Passing Passing Passing Passing Passing	4" sieve 3" sieve 1½" sieve 3/4" sieve 1/4" sieve No. 10 sieve	100% 90-100% 60-90% 40-60% 20-40% 5-20%
For Jaw-Run	Passing Passing	6" sieve 3" sieve	100% 45-65%
For Pit-Run	Passing Passing	10" sieve 6" sieve	100% 60-85%

Control of gradation shall be by visual inspection by STATE.

CULVERT SPECIFICATIONS

All culvert materials shall be furnished and installed by PURCHASER, unless otherwise specified in the Contract.

Culverts 36 inches in diameter and smaller shall be constructed of corrugated polyethylene. Polyethylene culverts shall be double-walled and meet the requirements of AASHTO M-294-11, Type S, or ASTM F2648.

Polyethylene joints shall be made with split couplings, corrugated to engage the culvert corrugations, and shall engage a minimum of 4 corrugations, 2 on each side of the culvert joint.

Culverts shall be located according to the alignment and grade as shown on the Plan and Profile, and/or as staked in the field, or as specified in special instructions.

The STATE Representative shall determine final culvert locations and stake the locations in the field prior to installation.

Culverts in live streams shall be installed with the inlet and outlet on grade with the stream bottom, unless otherwise specified in writing.

Cross Drain Culverts

Cross drain culverts on road grades in excess of 3 percent shall be skewed at least 30 degrees from perpendicular to the road centerline, except that cross drain culverts at the low point of dips in roads shall not be skewed. Cross drains shall be skewed to fit the required culvert length to the road prism.

Cross drain culverts shall be installed at a slope steeper than the incoming ditch grade, but not less than 3 percent or greater than 10 percent.

Disconnect Culverts

The culvert inlet shall be located as close to the channel that it is disconnecting, while the culvert outlet shall be located as far from the channel as possible; discharge culvert outflow on the forest floor, allowing for filtration before the water enters the disconnected channel.

The foundation and trench walls for all culverts shall be free from logs, stumps, limbs, stones, and other objects which would dent or damage the culvert. The culvert trench shall be excavated 3 culvert diameters wide to permit compaction and working on each side of the culvert. Tamping shall be done in 6-inch lifts, 1 culvert diameter each side of the culvert. Bedrock shall be excavated as required to provide a uniform foundation for the full length of the culvert.

A bedding of crushed rock as specified shall be placed to provide a wide band of support and to transmit the load from above evenly over the entire length of the culvert for all culverts.

Backfill shall consist of crushed rock on improvement segments.

Transporting of the culvert shall be done carefully. Dragging or allowing free fall from trucks or into trenches shall not be permitted.

Minimum height of cover over top of culvert to subgrade when road is to be rocked shall be as follows: 12" for culverts 18" to 36".

Lengths of individual culvert sections shall be not less than 10 feet, unless otherwise provided for in special instructions. The shortest culvert section length shall be placed at the inlet end.

The ends of each culvert shall be free of logs and debris which would restrict the free flow of water.

CULVERT SPECIFICATIONS

The outlet end of any culvert which would allow water to erode embankment soil shall be provided with an energy dissipator, half round, or other approved slope protection device.

Compaction by tamping utilizing a Vibratory Hand-Operated or Backhoe-Mounted Tamper is required for all culverts.

All culverts scheduled for replacement shall become property of the PURCHASER and be removed from STATE land and hauled to an approved refuse site in the same project period in which replacement occurred. Damaged culvert inlets and/or outlets shall be repaired by opening them with a hydraulic jack, or cutting off the culvert end to allow for free passage of water at peak flow levels.

The intake ends of culverts in fills less than 3 feet to the top of the culvert shall be marked by driving white fiberglass posts within 6 inches of the downgrade side. Posts shall be a minimum of 6 feet long and 2½ inches wide, with the spade driven 2 feet into the ground. Install a culvert marker at each existing culvert that is missing a marker that could be reached by a grader blade.

A manufacturer's certification that the product was manufactured, tested, and supplied in accordance with this specification shall be furnished to STATE upon request.



WATERBAR SPECIFICATIONS

PROFILE

DITCHED AND OUTSLOPED

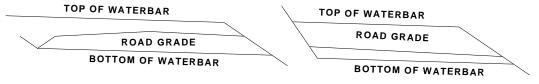
5'
12"
ROAD GRADE

SPACING OF WATERBARS		
ROAD GRADE	DISTANCE	
< 6 %	400'	
6 - 10 %	200'	
11 - 15 %	150'	
> 15 %	100'	

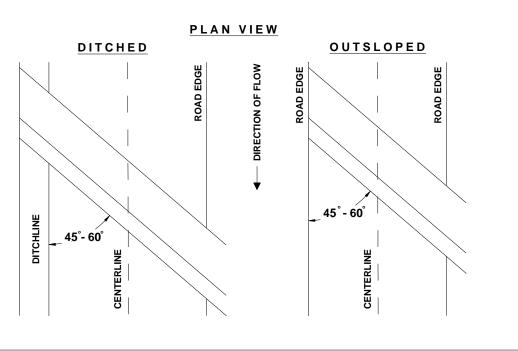
CROSS SECTION

DITCHED

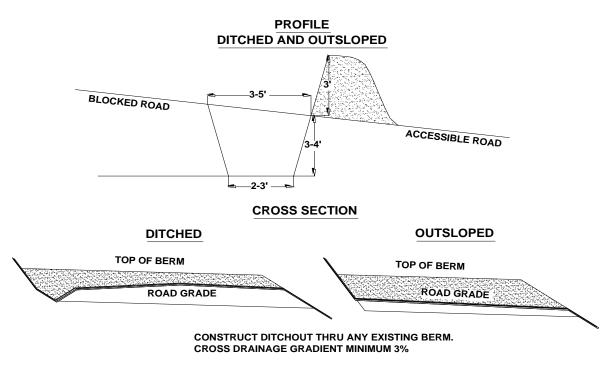
OUTSLOPED



CONSTRUCT DITCHOUT THRU ANY EXISTING BERM. CROSS DRAINAGE GRADIENT MINIMUM 3%.



TANK TRAP SPECIFICATIONS



DITCHED CENTERLINE ROAD EDGE R

It should be sloped to drain with a relief ditch through the down slope edge of the road. The trench shall be behind the berm for approaching traffic.

FPA WRITTEN PLAN for Yarding Corridors through Type F RMA's

Rebott Timber Sale

Location: Portions of Section 28, T10S, R07W, W.M., Benton County, Oregon

Landowner: Oregon Department of Forestry

24533 Alsea Hwy Philomath OR, 97370 (541) 929-3266

Protected Resources: Two tributaries of Bottger Creek, small Type F streams.

Situation: The Timber Sale Area extends down to the Type F RMA's. To achieve one-end suspension, cable corridors may need to tailhold on the other side of the Type F stream, however no logs will be yarded through the RMA's.

Resource Protection Practices:

Along all of the above mentioned streams, as well as any other streams, the following practices are required under the timber sale contract, to protect the streams and streamside areas:

- No trees will be felled within stream buffers (RMA's), except as necessary in cable corridors. Felled trees may not be removed from stream buffer.
- Trees that fall or slide into Type F RMA's shall not be removed without prior approval from STATE.
- Trees adjacent to the stream buffers (RMA's) will be felled away from or parallel to the streams to prevent trees from entering the aquatic areas.
- When cable logging is conducted nearby the RMA's, logging lines may cross, but will not be lowered into the RMA's during yarding, except during rigging. During rigging the lines must be pulled out of the RMA's when changing corridors.
- Cable corridors must be at least 100 feet apart where they cross the RMA's.

I, the undersigned, submit this written plan in compliance with the requirements in the Forest Practices Act regarding the use of cable corridors across Type F RMA's. I agree to the protection measures listed on this plan:

	Date:
Purchaser/Operator Contract Representative	
	Date:
State Representative	

FPA Plan for Alternate Practice for Timber Harvest inside Type F RMA

Rebott Timber Sale

Portions of the NW 1/4 of the SE 1/4 of Section 21, T10S, R07W, W.M., Benton County, Oregon.

Protected Resources: A Small Unknown tributary to Oleman Creek, a Large Type F stream.

<u>Situation</u>: Shingle Creek County Road is commonly used as a cutover between Highway 223 and the town of Summit. To decrease potential closures and hazards from fallen trees on Shingle Creek County Road, the boundary of a planned timber sale has been extended into the Riparian Management Area (RMA) along the Shingle Creek County Road. OAR 629-640-0100 (13) states that the State Forester may approve a plan for an alternate practice to modify the live tree retention requirements along a Type F stream, where leaving trees in a RMA on the upland side of a road may cause a safety hazard. By moving the sale boundary down to the road, the small unknown stream will have approximately a 320 foot segment along Shingle Creek County Road with a buffer ranging from 50 to 100 feet in width and averaging 74 feet in width. The remaining length of the small fish stream and all other fish streams adjacent to the sale area are protected with over 100 feet of buffer width on average.

Resource Protection Measures:

- 1. Timber adjacent to the stream buffer shall be felled so that it does not enter into the buffer.
- 2. No trees will be cut within the stream buffer on the downslope side of Shingle Creek County Road.
- 3. All trails within the RMA will be predesignated by ODF and will be limited to less than 10% of the area.
- 4. Oil spill containment materials shall be onsite during the work period.
- 5. Landing and Loading sites will only be approved in locations greater than 100 feet from stream edge.

Approval

The final alternative vegetation treatment plan will be approved, signed and dated by the District Forester, attached to the sale in WALT, and placed in the sale folder.

Mirhal Cum	4/1/21
District Forester	Date