# PART III: EXHIBITS

State Timber Sale Contract No. 341-09-47 Blind Faith

# **EXHIBIT B**

Page 1 of 3 629-Form 341-203 Revised 06/97

# OREGON DEPARTMENT OF FORESTRY

# **TIMBER SALE OPERATIONS PLAN**

(See Page 2 for instructions)

Date 1	Received by STATE:	(5) State Brand Inform	ation (complete):	$\gamma \sim$
(1)	Contract No.: <u>341-09-47</u>	<u> </u>		ノしノ
(2)	Sale Name: Blind Faith	<u></u>		
(3)	Contract Expiration Date: October 31, 2011	Project Completion Date	s: October 31, 2011	
(4)	Purchaser:			
. ,				
(6)	Purchaser Representatives:		Cell/Other	
	Projects:	Phone:	Phone:	Home:
			Cell/Other	
	Projects:	Phone:	Phone:	Home:
	Projects:	Phone:	Cell/Other Phone:	Home:
	Trojects.	Thone.	Cell/Other	110IIIc
	Projects:	Phone:	Phone:	Home:
			Cell/Other	
	Logging:	Phone:	Phone:	Home:
	Logging:	Phone:	Cell/Other Phone:	Home:
	Logging.	rnone.	Cell/Other	nome.
	Logging:	Phone:	Phone:	Home:
			Cell/Other	
	Logging:	Phone:	Phone:	Home:
(7)	State Representatives:			
(,,	State Representatives.		Cell/Other	
	Projects:	Phone:	Phone:	Home:
			Cell/Other	
	Logging:	Phone:	Phone:	Home:
(8)	Name of Subcontractors & Starting Dates:			
	Projects: No(s)	Date:	Phone:	
	No(s)	Date:	_ Phone:	
	No(s)	Date:	Phone:	
	No(s)	Date:	Phone:	
	Logging: Felling	Date:	Phone:	
	Yarding:	Date:		
(9)	Comments:			
	<del>-</del>			

(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.

#### **EXHIBIT B**

#### INSTRUCTION SHEET FOR OPERATIONS PLAN

#### SUBMIT ONE COPY OF PLAN TO 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.
  - 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 those required by the timber sale contract. Provide spur road specifications.
  - 3. Location of proposed tractor yarding roads. Show if and how marked on the ground.
  - 4. Location of temporary stream crossings.
  - 5. List the sequence of performing project work.
  - 6. Location of rock sources attach pit development plans.

1	Cable landing, with numbers for sequence.
A	Tractor landing with alphabetical sequence.
	Approximate setting boundary.
	Spur truck roads.
~~	Tractor yarding roads.
X	Temporary stream crossings.

#### **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.

# **Projects**



#### **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, PURCHASERS 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: STATE OF OREGON - DEPARTMENT OF FORESTRY	SUBMITTED BY: PURCHASER
Title	Title

Original: Salem
cc: District File
Purchaser

Operations Plan.doc/Jaz B (TS)

# **EXHIBIT C**

# SCALING INSTRUCTIONS -- LOCATION APPROVAL -- BRAND INFORMATION

(1)		_ REGISTR <i>A</i> NUMBER _			e e		(12) NOTICE OF CANCELLATION OF BRAND: Effective Date:	
	CANCELL	ATION		☐ Dat	e		State Forester's Representative	
(2)	TO:						(13) SALE NAME Blind Faith	
(2)	FDOM: F	•	arty Scaling C	•	,	101	COUNTY Washington	_
(3)		Forest Grove State Forestry D		e <u>(503)</u>	357-2	191	(14) STATE CONTRACT NUMBER 341-09-47	
	Address 8	301 Gales Cr	eek Road,	Forest	Grove,			
	_	<u> Dregon 9711</u>					(15) STATE BRAND REGISTRATION NUMBER	-
(4)		SER:					(16) STATE BRAND INFORMATION:	
	_	dress:					(COMPLETE)	
	Phone Nu	mber:						
(5)		SCALING			01.404	_		
	SPECIFIC	SCALING	*NET	 	CLASS	<u> </u>		
	PECIES	DIAMETER INCHES	SCALE VOLUME	PER MBF	** SUM	SUB		
	Conifers		10	X	SOW	306	(17) PAINT REQUIRED: YES ⊠	
All F	Hardwoods		10	Х			COLOR <u>Orange</u>	
*	Apply minimum	volumo tost to whole	loge over 40' Wee	teido: 20' Er	neteido.		(18) SPECIAL REQUESTS	
**	Sum (if indicated	volume test to whole ): see instructions a	nd explain in Item	(19).	astaide.		PEELABLE CULL (all species)	
(6)	WESTSID	E SCALE:		`		NO	NO DEDUCTIONS ALLOWED	
(7)	-	actual taper rule. Lo	ogs over 40'.				FOR MECHANICAL DAMAGE PENCIL BUCK	
(7)	EASTSIDI		40!			$\boxtimes$	ADD-BACK VOLUME - Deductions due to delay	
(0)	_	actual taper rule. Lo	ogs over 40 .				OTHER:	
(8)	_	ale Sample log load receipts						
(9)	Weight Sa	-				$\boxtimes$	(19) REMARKS	_
(10)	Per Load				$\overline{\Box}$	$\boxtimes$	-	—
(1-)		yellow log load recei	ots					_
(11)	ADDDOVI	ED SCALING	2		1 1		-	—
(11)	LOCATIO			מ ב ב	5	ck ck		—
				Dade O	Yard	Truck		_
			ه ا	<u> </u>		- S		
							Operator's Name (Optional inclusion by District):	
							(20) SIGNATURES:	
							Purchaser or Authorized Representative Dat	e
							State Forester Representative Dat	e

Notify the District within one hour when branding or painting is inadequate for quick identification, the receipts are missing, not correctly or completely filled out, and/or when logs presented for scaling are impossible to scale accurately.

#### **EXHIBIT C**

#### INSTRUCTIONS FOR FORM 343-307 (rev. 10/08)

- (1) Check appropriate box. REVISION NUMBER requires comments. CANCELLATION requires Item (12). Complete date.
- (2) Designate Third Party Scaling Organization (TPSO).
- (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. Review Section 2040 or 2045, "Log Removal," of the Contract. Species, or combined species can be separate entries. Information serves as a basis for scaling (see also Items (16) thru (18)), and is required to show existence on the sale. **SUM** (lump sum material). **SUB** (submerchantable material). SUB, as used by the State, references that material containing at least 10 bf (net) but less than the lower merchantable net volume limit or grade requirements for other merchantable (Per MBF) entries. Per MBF, SUM, and SUB must be indicated by checking the appropriate column. Species with the same specifications and value are combined into one entry. Per MBF and SUB require scaling therefore complete specifications. SUM need not be scaled, hence no specifications. Loads containing only SUM are to be ticketed if so instructed in Item (19). Mixed loads of SUM, Per MBF and/or subspecies will always be scaled.
- (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) Eastside Region 6 actual taper/taper table segment scale. Special Service Rules on file with TPSO. See: Segment Scaling and Grading of Long Logs -- All Species -- State Forestry Department Scaling Practices (Northwest Log Rules Eastside). Items with \* follow U.S. Forest Service Eastside rules.
- (8) Weight Scale Sample Check box if sale is to be a Weight Scale Sample. All specifics for handling, scaling and processing will be attached or explained in the Remarks section Item (19).
- (9) Weight Sale Check box if sale is to be sold as a weight sale. Processing procedures from approved locations to TPSO's will be explained in the Remarks section of Item (19).
- (10) Per Load Check box if volumes on sale are per load. Specific instructions for handling and processing will be fully explained in the Remarks section of Item (19).
- (11) Show scaling locations only applicable to TPSO. Location name should appear as it does on the ODF Approved Scaling Location web site: http://www.odf.state.or.us/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 locations approval status.
- (12) When logging and hauling is complete, recall branding hammers, date and sign where indicated, check CANCELLATION box in Item (1), and send to TPSO.
- (13) Enter sale name and county
- (14) .Enter sale Contract number.
- (15) Enter Oregon's State Brand Registry Number (required).
- (16) Show brand assigned to timber sale. One brand only. If more than one brand is assigned to the sale: (1) make separate form for each brand and (2) on each form, explain and show other brand(s) in the Remarks section Item (19).
- (17) Check yes for Paint Required and designate "Orange" for color. Non required removal volumes may sometimes require blue paint.
- (18) Special Requests. These are requests that will be applied to ODF timber sales. If "Other" is indicated, it must contain a description and any necessary comments.
- (19) Use this space to designate any weight conversion factors, per load volumes, weight scale sample instructions or any other explanations to clarify scaling or processing requirements. If additional scaling locations are approved, prepare another form showing all (old and new) locations. Check REVISION box at top of form and explain under remarks. Route as indicated.
- (20) Require purchaser to sign and date completed form.

#### **EXHIBIT D**

#### FOREST ROAD SPECIFICATIONS

SUBGRADE WIDTH	SURFACED WIDTH	POINT TO POINT	STATION TO STATION	DRAINAGE
16 feet	12 feet	A to B	0+00 to 23+80	Ditch
16 feet	12 feet	C to D	0+00 to 0+50	Ditch

<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.

Where clearing limits have not been marked, the clearing limits shall extend 10 feet back of the top of the cutslope and 5 feet out from the toe of the fill slope, or as directed by STATE. Clearing debris shall not be placed or permitted to remain in or under any road embankment sections. Clearing debris shall not be left lodged against standing trees.

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

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 cutslopes shall be removed. Grubbing debris shall not be placed or permitted to remain in or under any road embankment sections. Grubbing debris shall not be left lodged against standing trees. Grubbing classifications are as follows:

New construction - From the top of the cutslope 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>. Scatter through openings in the timber outside of the cleared Right-of-Way, except areas where end-haul is required.

State Timber Sale Contract No. 341-09-47 Blind Faith

#### **EXHIBIT D**

#### FOREST ROAD SPECIFICATIONS

EXCAVATION. 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-engineered lines, grades, dimensions, and plans when provided.

All suitable excavated material shall be used where possible 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. All fills and drainage structure backfills shall be machine compacted according to the specifications in Exhibit E.

Unless road design 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.

Excess excavation shall not be sidecast where material will enter a stream course or where material will accumulate in areas deemed a high landslide hazard location by STATE.

<u>ROAD WIDTH LIMITATIONS</u>. 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 follows: 400 divided by the radius of the curve equals the amount of extra width.

# **DRAINAGE**

<u>Ditch</u>. Construct "V" ditch 2 feet wide and to a depth of 1 foot below subgrade. Subgrade shall be crowned at 4 to 6 percent. Construct ditchouts away from subgrade at locations marked in the field.

Outslope. Road subgrade shall be outsloped at 4 to 6 percent.

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

Location: Intervisible but not greater than 750 feet.

GRADING	Back Slopes	<u>Fill Slopes</u>
Rock Common - side slopes 50% and over Common - side slopes less than 50%	Vertical to 1/4:1 1/2:1 3/4:1	Not steeper than 1½:1
Common - turnpike (level) section	2:1	

Top of cutslope 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. Surface is to be crowned for drainage, with general grade no more than 3 percent. Surface as shown on Exhibit E.

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

# EXHIBIT D ADDITIONAL ROAD CONSTRUCTION INSTRUCTIONS

<u>SEGMENT</u>	<u>STATION</u>	WORK DESCRIPTION
A to B	0+00	Point A. Begin road construction; crown road, begin ditch construction. Junction with 3 Blind Mice road.
	6+60	Construct Landing left.
	14+60	Point C. Junction left.
	19+50	Construction follows existing grade.
	22+10	Leave existing grade.
	23+80	End construction. Construct Landing.
C to D	0+00	Point A. Begin road construction; crown road, begin ditch construction.
	0+50	End construction. Construct Landing.

# EXHIBIT E ROAD SURFACING

TYPE OF ROCK	SIZE OF ROCK	COMPACTED DEPTH	POINT TO POINT	STATION TO STATION	APPROX. TOTAL TRUCK MEASURE VOLUME
Crushed	4"-0	10"	A to B	0+00 to 23+80	1,380 CY
Crushed	4"-0	10"	C to D	0+00 to 0+50	29 CY
TURNOUTS:			NO. OF T.O.	POINT TO POINT	
Crushed	4"-0	10"	3	A to B	84 CY
TURNAROUNDS:			NO. OF T.A.		
Crushed	4"-0	10"	1	A to B	16 CY
LANDINGS:			NO. OF LDGS.	POINT	
Crushed	4"-0	10"	1	6+60, Point B	160 CY
Crushed	4"-0	10"	1	D	80 CY
JUNCTIONS:			NO. OF JUNCTIONS		
Crushed	4"-0	10"	1	С	20 CY
CURVE WIDENING:			STATIONS OF CURVE	POINT TO POINT	
Crushed	4"-0	10"	3	A to B	36 CY

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

Additional rock for curve widening is required and has been included in the volume estimates

Any additional turnarounds or turnouts created during any operation associated with this timber sale shall be rocked at PURCHASER's expense and as instructed by STATE.

Turnouts and turnarounds shall be rocked concurrently with the road.

# **EXHIBIT E**

# CRUSHED ROCK SPECIFICATIONS

For 4"-0"	Passing	4½" sieve	100%
	Passing	4" sieve	95-100%
	Passing	2" sieve	55-75%
	Passing	1/4" sieve	30-45%

The referenced sieve shall have square openings as set forth in AASHTO M 92, Woven Cloth Series. The determinations of size and gradings shall be as set forth in AASHTO T 27.

No. 341-09-47 Blind Faith

#### **EXHIBIT E**

#### **ROCK ACCOUNTABILITY**

The rock shall meet the quality and size specifications in Exhibit E. 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 sediments will not enter streams.

Rock accountability shall be determined by depth measurement. STATE shall be given 24 hours' notice prior to rocking.

<u>Depth Measurement</u>. Surfacing rock shall be spread and compacted according to the depths specified in Exhibit E. 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. If additional rock is required because of insufficient depth, it shall be added by truck measure to those areas that were slighted. The conversion from compacted yardage to truck yardage is 1.3 multiplied by the compacted yardage equals truck yardage.

The depth of compacted aggregates shall not vary more than 1 inch from the depth specified in Exhibit E. The average depth for each road segment shall be the specified depth or greater.

Junctions shall have a surfaced area of at least 20 square yards each at the compacted depths specified in Exhibit E.

Turnouts shall have a surfaced area of at least 70 square yards each at the depths shown in Exhibit E.

Turnarounds shall have a surfaced area of at least 44 square yards each at the depths shown in Exhibit E.

Landings shall have a surfaced area of at least 280 square yards each at the depths shown in Exhibit E.

<u>Curve Surfacing</u>. Extra surface width shall be required for the inside of all curves as follows: 400 divided by the radius of the curve equals the amount of extra width to be surfaced at the depths shown in Exhibit E.

#### **EXHIBIT E**

#### COMPACTION AND PROCESSING REQUIREMENTS

<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 visible deformation ceases, or in the case of a sheepsfoot roller, the roller "walks out." At least 3 passes shall be made over the entire width and length of the road. A pass is defined as traveling a road section in one direction and then back over that same section again. Compaction shall be accomplished by using the approved equipment listed below or others approved by STATE:

Subgrade shall be crowned at 4 to 6 percent unless otherwise specified.

ROAD SEGMENT	COMPACTION EQUIPMENT OPTIONS
A to B, C to D	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 or, in the case of a sheepsfoot roller, the roller "walks out." At least 3 passes shall be made over the entire width and length of each layer. A pass is defined as traveling a fill layer in one direction and then back over that same layer again.

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 the approved equipment listed below or others approved by STATE:

ROAD SEGMENT	COMPACTION EQUIPMENT OPTIONS
All Segments	2

State Timber Sale Contract No. 341-09-47 Blind Faith

#### **EXHIBIT E**

#### COMPACTION AND PROCESSING REQUIREMENTS

<u>Crushed Rock</u>. 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 a 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 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. A pass is defined as traveling a road section in one direction and then back over that same section again. Compaction shall be accomplished by using the approved equipment listed below or others approved by STATE:

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 unless otherwise specified.

ROAD SEGMENT	COMPACTION EQUIPMENT OPTIONS
A to B, C to D	1

# **EXHIBIT E**

#### **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 mile to 1.8 miles per hour as directed by STATE.
- (2) <u>Crawler Tractors</u>. D-7 Caterpillar or equivalent or larger.

#### **EXHIBIT F**

#### **VACATING SPECIFICATIONS**

#### PROJECT REQUIREMENTS AND GENERAL SPECIFICATIONS

- (1) <u>Tree Removal.</u> Cut or remove all trees necessary to access the project area and to facilitate vacating operations, as directed by STATE. Timber shall NOT be removed as designated timber, unless located within posted timber sale boundaries or Right-of-Way boundaries.
- (2) <u>Drainage.</u> Construct non-drivable waterbars in conformance with Exhibit G at a maximum spacing which will produce a vertical drop of no more than 10 feet between waterbars or between natural drainage paths and with a maximum spacing of 800 feet or as directed by STATE. At a minimum, construct waterbars at locations as described in the instructions below.
- (3) <u>Block Trail</u>. Construct tank trap barrier in conformance with the attached Exhibit G, "Tank Trap Detail," at Point F.
- (4) <u>Erosion Protection.</u> Grass seed and fertilize concurrently with abandonment and in accordance with Exhibit H, "Seeding and Fertilizing". Scatter woody debris onto abandoned trail surfaces.
- (5) Equipment. A minimum 1½ cubic-yard, track mounted excavator shall be used for all excavation, road blocking, and waterbarring, unless otherwise approved in writing by STATE.

Work Description

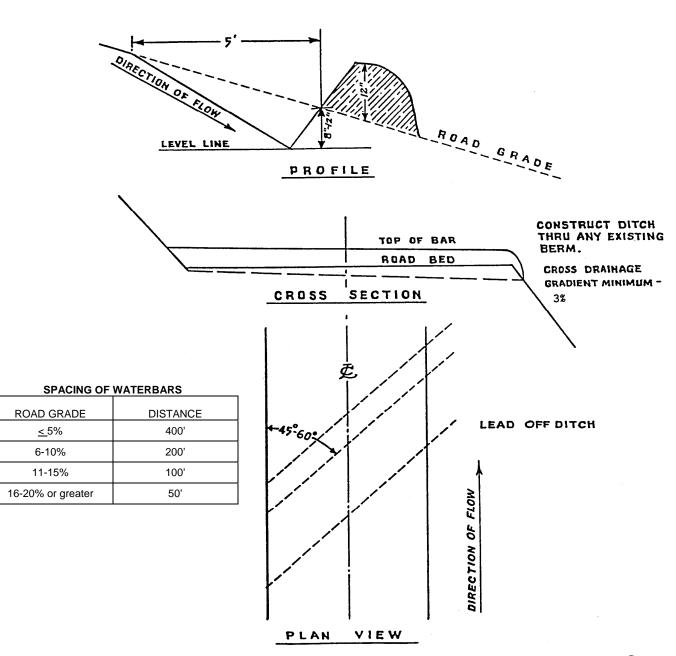
# SPECIFIC INSTRUCTIONS/SPECIFICATIONS:

Station

Segment

E to F	0+00	Point E. Junction with A to B at 19+50. Begin vacating of unauthorized OHV trail. Block access to trail by placing stumps and logs at junction with A to B that extend 30 feet beyond either side original trail grade.
	1+00	Begin excavating to restore natural drainage paths.
	5+00	Construct waterbar and ditch out.
	8+60	Construct waterbar and ditch out.
	10+80	Construct waterbar and ditch out.
	13+30	Construct waterbar and ditch out.
	16+50	Construct waterbar and ditch out.
	19+50	Construct waterbar and ditch out.
	21+80	Construct waterbar and ditch out.
	22+35	Point F. Construct tank trap according to the specifications in Exhibit G. Place large stumps and logs that extend 30 feet beyond either side of the tank trap to help prevent access of any type of vehicle.

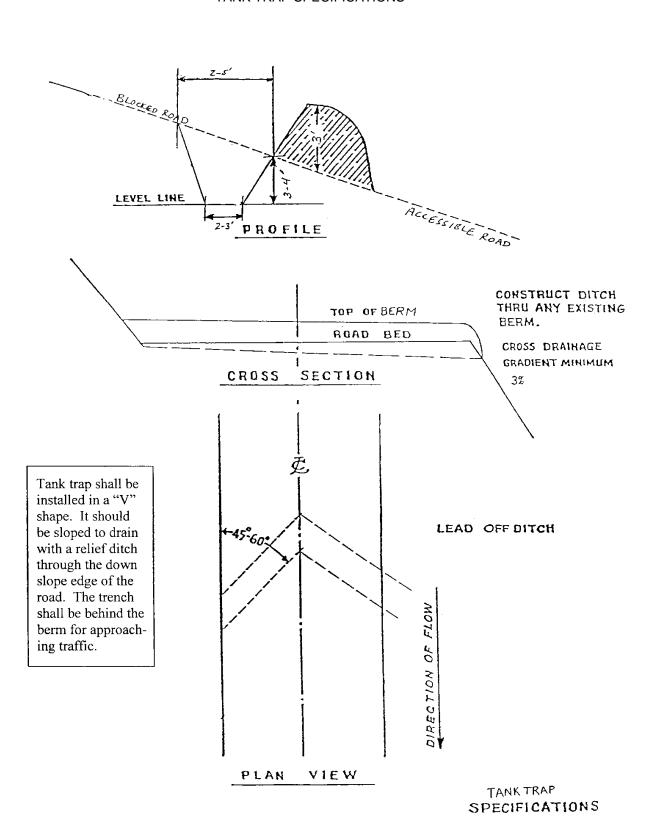
EXHIBIT G
WATERBAR SPECIFICATIONS



WATERBAR SPECIFICATIONS FOR CROSS DITCHING #298

# **EXHIBIT G**

# TANK TRAP SPECIFICATIONS



#### **EXHIBIT H**

#### SEEDING AND FERTILIZING

This work shall consist of preparing seedbeds and furnishing and placing required seed and fertilizer.

<u>Seeding Seasons</u>. Seeding shall be performed only from <u>March 1</u> through <u>June 15</u> and <u>August 15</u> through <u>October 31</u>. Seeding materials shall not be applied during windy weather or when the ground is excessively wet or frozen. Areas of disturbed soil shall be seeded by the end of the project period in which work was started. PURCHASER shall notify STATE 24 hours prior to seeding.

<u>Soil Preparation</u>. Areas to be seeded that have been damaged by erosion or other causes shall be restored prior to seeding. All areas to be seeded shall be finished and then cultivated to provide a reasonably firm, but friable seedbed. A minimum of 1/2 inch of surface soil shall be in a loose condition.

# Application Methods for Seed and Fertilizer

<u>Dry Method</u>. Mechanical seeders, seed drills, landscape seeders, cultipacker seeders, fertilizer spreaders, or other approved mechanical seeding equipment shall be used to apply the seed and fertilizer) in the amounts and mixtures specified. Hand-operated seeding devices may be used when seed and fertilizer are applied in dry form.

#### Application Rates for Seed and Fertilizer

Seed listed below shall be applied at the following rates per acre:

<u>Species</u>	Lb./Acre	<u>Mixture</u>	Pure Live <u>Seed</u>	Poison and/or <u>Repellent</u>
Highland Bentgrass	12	40%	98%	0
Annual Ryegrass	6	20%	98%	0
Perennial Ryegrass	9	30%	98%	0
White Dutch Clover	3	10%	98%	0

Fertilizer: Chemical analysis shall be 16-20-0 and shall be applied at the rate of 300 pounds per acre.

#### **EXHIBIT I**

#### SPECIFICATIONS FOR SLASH TREATMENT

# Description of Work To Be Done

Operation Area: The Timber Sale Area as indicated on Exhibit A; approximately 40 acres.

Slash Treatment: Develop planting spots in the following manner and as directed by STATE:

<u>Planting Spot Development</u>. Move brush and/or woody Slash to create openings as planting spots in the Slash and brush. Planting spots shall be 2 feet by 2 feet in size and shall be on a 10-foot by 10-foot spacing. Care shall be taken to avoid creating a depression in the soil of the planting spot. Spacing may be varied to accommodate stumps, large woody material, rocky areas, etc., but 430 planting spots per acre are still required.

<u>Protective Measures</u>: Shall comply with applicable Forest Practice Rules and with the terms of this Contract including, but not limited to, Section 2355, "Ground-Based Operations," and Section 2415, "Protection of Watershed."

#### **EXHIBIT I**

#### SPECIFICATIONS FOR SLASH TREATMENT

#### Equipment Type, Equipment Operation, and Conduct of Work

The specifications given below are requirements for complying with the terms of this Contract:

<u>Equipment</u>: Shall be a track-mounted machine with a ground-pressure rating of less than 10 PSI and a net horsepower rating of 135 HP or more.

The bucket shall be a hydraulically controlled "clamshell," bucket and thumb, or grapple arrangement capable of rotating 360 degrees.

<u>Operator</u>: Must be experienced in operating similar equipment on forest site preparation Operations, be able to operate the equipment proficiently, and be willing and able to perform the Operations as directed by STATE.

<u>Support</u>: Including transport, other equipment, replacements, supplies, maintenance, and repairs shall be furnished as required to complete work and shall be furnished without cost to STATE, other than as agreed under the terms of this Contract.

<u>Work Scheduling</u>: Work shall be accomplished only during dry weather conditions and started within 14 calendar days after completion of Yarding activities on the Timber Sale Area. Operations shall provide for continual operation until Contract work is completed, unless interrupted by poor weather, fire closures, or other uncontrollable circumstances. Equipment breakdowns shall be repaired without undue delay, and provision shall be made for replacement of equipment to prevent prolonged delays. Operations shall not be allowed as described in Section 2455, "Seasonal Restrictions," of the Contract, or during any other period when Operations might damage sites or affect stream flows. Any exception to these instructions must be authorized in writing by STATE.

<u>STATE Representative</u>: Designated to provide directions for the conduct of work and to inspect work to determine when Contract requirements have been satisfied