

PART III: EXHIBITS

State Timber Sale Contract
No. 341-10-21
Nelson Junction

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 Received by STATE: _____

(5) State Brand Information (complete):



(1) Contract No.: 341-10-21

(2) Sale Name: Nelson Junction

(3) Contract Expiration Date: July 31, 2012

Project Completion Dates: _____

(4) Purchaser: _____

(6) Purchaser Representatives:

Projects: _____	Phone: _____	Cell/Other Phone: _____	Home: _____
Projects: _____	Phone: _____	Cell/Other Phone: _____	Home: _____
Projects: _____	Phone: _____	Cell/Other Phone: _____	Home: _____
Projects: _____	Phone: _____	Cell/Other Phone: _____	Home: _____
Logging: _____	Phone: _____	Cell/Other Phone: _____	Home: _____
Logging: _____	Phone: _____	Cell/Other Phone: _____	Home: _____
Logging: _____	Phone: _____	Cell/Other Phone: _____	Home: _____
Logging: _____	Phone: _____	Cell/Other Phone: _____	Home: _____

(7) State Representatives:

Projects: _____	Phone: _____	Cell/Other Phone: _____	Home: _____
Logging: _____	Phone: _____	Cell/Other 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: _____	Phone: _____

(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.

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.



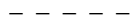



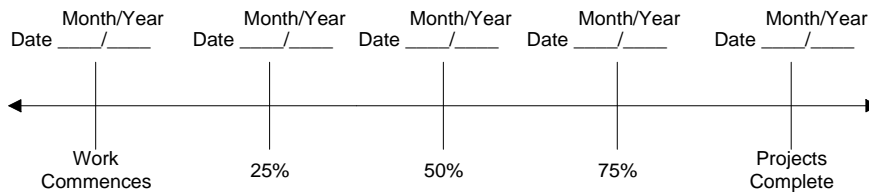
-  Cable Landing, with numbers for sequence.
-  Tractor Landing with alphabetical sequence.
-  Approximate setting boundary.
-  Spur truck roads.
-  Tractor yarding roads.
-  Temporary stream crossings.

EXHIBIT B
OPERATIONS PLAN

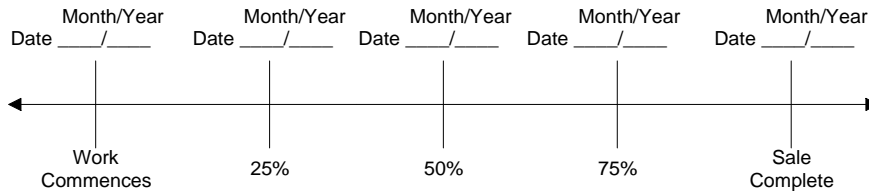
Completion Timeline

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: _____

SUBMITTED BY:
PURCHASER

STATE OF OREGON - DEPARTMENT OF FORESTRY

Title _____

Title _____

Original: Salem
cc: District File
Purchaser

EXHIBIT C – SAWMILL GRADE

SCALING INSTRUCTIONS -- LOCATION APPROVAL -- BRAND INFORMATION

(1) ORIGINAL REGISTRATION Date _____
 REVISION NUMBER _____ Date _____
 CANCELLATION Date _____

(2) TO: _____
 (Third Party Scaling Organization)

(3) FROM: Western Lane (03) Phone (541) 935-2283
 (State Forestry District)
 Address 87950 Territorial Highway, Veneta, OR
97487

(4) PURCHASER: _____
 Mailing Address: _____
 Phone Number: _____

(12) NOTICE OF CANCELLATION OF BRAND:
 Effective Date: _____


State Forester's Representative

(13) SALE NAME Nelson Junction

COUNTY Lane

(14) STATE CONTRACT NUMBER 341-10-21

(15) STATE BRAND REGISTRATION NUMBER _____

(16) STATE BRAND INFORMATION:
 (COMPLETE) 



(5) MINIMUM SCALING SPECIFICATIONS			CLASS		
SPECIES	SCALING DIAMETER INCHES	*NET SCALE VOLUME	PER MBF	** SUM	SUB
All	--	10	X		

* Apply minimum volume test to whole logs over 40' Westside; 20' Eastside.
 ** Sum (if indicated): see instructions and explain in Item (19).

(6) WESTSIDE SCALE: YES NO
 Use Region 6 actual taper rule. Logs over 40'.

(7) EASTSIDE SCALE: YES NO
 Use Region 6 actual taper rule. Logs over 40'.

(8) Weight Scale Sample YES NO
 (6) – (8), pink log load receipts

(9) Weight Sale YES NO

(10) Per Load YES NO
 (9) and (10), yellow log load receipts

(17) PAINT REQUIRED: YES
 COLOR Orange

(18) SPECIAL REQUESTS
PEELABLE CULL (all species)
NO DEDUCTIONS ALLOWED FOR MECHANICAL DAMAGE
ADD-BACK VOLUME - Deductions due to delay
OTHER:

(19) REMARKS _____

Operator's Name (Optional inclusion by District): _____

(20) SIGNATURES:

 Purchaser or Authorized Representative Date

 State Forester Representative Date

(11) APPROVED SCALING LOCATIONS	Species	Yard	Truck	Weight

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– SAWMILL GRADE
INSTRUCTIONS FOR FORM 343-307 (rev. 01/09)


- (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 C – PULP SORT

SCALING INSTRUCTIONS -- LOCATION APPROVAL -- BRAND INFORMATION

- (1) ORIGINAL REGISTRATION Date _____
 REVISION NUMBER _____ Date _____
 CANCELLATION Date _____
- (2) TO: _____
 (Third Party Scaling Organization)
- (3) FROM: Western Lane (03) Phone (541) 935-2283
 (State Forestry District)
 Address 87950 Territorial Highway, Veneta, OR
97487
- (4) PURCHASER: _____
 Mailing Address: _____
 Phone Number: _____

- (12) NOTICE OF CANCELLATION OF BRAND:
 Effective Date: _____

 State Forester's Representative
- (13) SALE NAME Nelson Junction
 COUNTY Lane
- (14) STATE CONTRACT NUMBER 341-10-21
- (15) STATE BRAND REGISTRATION NUMBER _____
- (16) STATE BRAND INFORMATION:
 (COMPLETE) 



(5) MINIMUM SCALING SPECIFICATIONS			CLASS		
SPECIES	SCALING DIAMETER INCHES	*NET SCALE VOLUME	PER MBF	** SUM	SUB
Pulp	*Per Load			X	

- (17) PAINT REQUIRED: YES
 COLOR Orange

* Apply minimum volume test to whole logs over 40' Westside; 20' Eastside.
 ** Sum (if indicated): see instructions and explain in Item (19).

- (6) WESTSIDE SCALE: YES NO
 Use Region 6 actual taper rule. Logs over 40'.
- (7) EASTSIDE SCALE: YES NO
 Use Region 6 actual taper rule. Logs over 40'.
- (8) Weight Scale Sample YES NO
 (6) – (8), pink log load receipts
- * (9) Weight Sale YES NO
- * (10) Per Load YES NO
 (9) and (10), yellow log load receipts

(18) SPECIAL REQUESTS
PEELABLE CULL (all species)
UTILITY/PULP (all species)
NO DEDUCTIONS ALLOWED FOR MECHANICAL DAMAGE
OTHER: Convert loads to MBF, using a factor of 1,500 board feet per load.

- (19) REMARKS *(1) The Scaler Receipt part of the STATE Log Load Receipt shall be removed and mailed weekly to the approved Third-Party Scaling Organization (TPSO). (2) The TPSO shall notify the Western Lane District Office, 541-935-2283, immediately if the above requirements are not met.

(11) APPROVED SCALING LOCATIONS	Species	Yard	Truck	Weight

Operator's Name (Optional inclusion by District): _____

- (20) SIGNATURES:
 _____ Date
 Purchaser or Authorized Representative
- _____ Date
 State Forester Representative

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– PULP SORT

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- (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.
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- (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).
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- (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

Road	Stations	Subgrade Width	Surfaced Width	Drainage
17-8-13.2	33.00	14-16	NA	Outsloped
17-8-13.2.1	5.50	14-16	NA	Outsloped
Spur 1a	14.70	14-16	NA	Outsloped
Spur 1b	1.00	14-16	NA	Outsloped
Spur 2a	27.86	14-16 See "Additional Road Instructions"	See "Additional Road Instructions"	Outsloped
Spur 2a		From 4+50 to 7+00	"	Ditched
Spur 2b	3.53	14-16	"	
Spur 3a	14.41	14-16 See "Additional Road Instructions"	See "Additional Road Instructions"	Outsloped
Spurs 3b & 3c	6.43	14-16	NA	Outsloped
Spur 4	6.96	14-16	NA	Outsloped

Total Stations Improvement = 38.50

Total Stations New Construction = 74.89

CLEARING. 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.

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.

CLEARING AND GRUBBING DISPOSAL. Scatter through openings in the timber outside of the cleared right-of-way, except on slopes over 50% where end-haul is required. No slash or debris shall be deposited in stream channels.

EXCAVATION. Excavation shall conform to STATE-engineered lines, grades, dimensions, and plans when provided. 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. Unless approved by STATE, no subgrade construction shall be allowed between September 30th and April 15th of any year.

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 F. 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.

EXHIBIT D

FOREST ROAD SPECIFICATIONS

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. No fill widening is required.
- Curve Widening. No curve widening is required except as stated in the Lane County Driveway Permits (to be obtained by PURCHASER).

DRAINAGE

- Ditch. Construct "V" ditch 3 feet wide and to a depth of 1 foot below subgrade. Subgrade shall be crowned at least 6 percent. See Spur 3a on "Additional Road Instructions."
- Outslope. Road subgrade shall be outsloped at least 6 percent. Construct short ditches and ditchouts for drainage as directed by STATE.

TURNOUTS. Turnout location and design may be determined by PURCHASER. No turnouts are required.

SLOPES

Shot Rock

Common - side slopes 50% and over

Common - side slopes less than 50%

Back Slopes

1/4:1

1/2:1

Fill Slopes

Not steeper than 11/3:1

Not steeper than 3/4:1

EXHIBIT D

ADDITIONAL ROAD CONSTRUCTION AND IMPROVEMENT INSTRUCTIONS

Access

- Access agreements for both rock and timber hauling have been obtained from the BLM for all roads crossing their land.
- Purchaser must obtain a Facility Permit (Driveway approach permit) from Lane County Public Works for construction of Spur 2a and 3a and any temporary roads directly accessing the Nelson Mtn. County Road. One permit will cover both approaches plus logging within the county right-of-way.

BLM Timber

- BLM timber is within the R/W for Spurs 1a, 1b, 2a, 2b, and 4. The PURCHASER must buy this timber from BLM before cutting (estimated volume 83 MBF – 16' eastside scale) Contact Alan Corbin, 683-6792.

Rock Sources

- Known commercial quarries are Oakridge Sand and Gravel at Hale Valley near Noti and Conser and Precision Aggregate near Junction City.

All Roads

- Grades shall not exceed 18%.
- Full bench construction is required on sideslopes exceeding 50%. Waste excavation shall be incorporated into fills or hauled to approved waste locations on State land.
- Daylight roads as necessary to provide drainage or as directed by the STATE.
- Outsloped and crowned roads must be at least 6%.
- Slash may be scattered outside R/W limits and waste dirt may be sidecast. Except, waste shall not be sidecast where it may reach streams or between Stations 3+80 and 4+80 on Spur 2a. Material to be endhauled shall be placed on stable areas on State land as directed by State.
- Ditchouts as directed by State will be necessary for drainage
- Any or all roads may be rocked at Purchaser's expense, using whatever source PURCHASER chooses.
- All roads shall be smoothed, drained, and waterbarred after use or prior to October 15th unless otherwise approved by STATE.
- Notify BLM, Siuslaw Resources Area, prior of commencement of construction activity on BLM land and after a shutdown of five or more days (683-6972)

17-8-13.2 and 17-8-13.2.1

- The project requires opening up and improving the 17-8-13.2 by removing the tank trap, smoothing, shaping, and draining. The 17-8-13.2.1 has been decommissioned and needs to be reconstructed, smoothed, shaped, and drained. Rocking is not required.
- A steel gate to BLM specifications labeled *Gate Fabrication Detail* and designed by Swearingen 8/29/08 (Exhibit K) is to be constructed at the 17-8-13.1/13.2 junction. Gate is to be installed prior to October 15th or before subgrade completion of spur 1a.

Spurs 1a and 1b

- Construct 14 to 16 foot wide outsloped spurs. Rocking is not required.

EXHIBIT D

ADDITIONAL ROAD CONSTRUCTION AND IMPROVEMENT INSTRUCTIONS

Spurs 2a and 2b

- Construct 14- to 16-foot wide outsloped spurs. Spur 2a shall be ditched starting at Station 4+50 and ending at Station 7+00.
- Four culverts are required on Spur 2a (including one at the Spur2a/Nelson Mtn. Road junction) and one culvert on 2b.
- The first 30 feet of Spur 2a shall be rocked with 8 compacted inches of 3" minus crushed to reduce contamination of the county road during operations. Rocking is not required for the remaining length of Spurs 2a
- Old logs shall be placed in the stream channel below the culvert at 3+96 of Spur 2a.
- A steel gate to BLM specifications labeled *Gate Fabrication Detail* and designed by Swearingen 8/29/08 (Exhibit K) is to be installed at the Spur 2a/Nelson Mtn. County Road junction prior to October 15 or before subgrade completion of spur 2a.

Spurs 3a,3b, and 3c

- Construct 14- to 16-foot wide outsloped spurs.
- The beginning of these spurs needs to be ditched to collect ditchwater from the Nelson Mtn County Road and carry it through a 24" culvert to be installed across Spur 3c. Two waterbars with ditchouts shall be installed as directed by State on the power line road to intercept and divert water that drains down to Spurs 3a and 3c.
- The first 30 feet of Spur 3a shall be rocked with 8 compacted inches of 3" minus crushed rock to reduce contamination of the county road rock during operations. Rock is not required on the remainder of the roads.
- Roads shall be waterbarred and blocked to vehicular traffic just north of power line right-of-way as directed by the STATE by September 30. Barrier shall consist of ditch and partially buried rocks and/or root wads.

Spur 4

- Construct a 14- to 16-foot wide outsloped spur
- Rock is not required.
- An EARTHEN ROAD BARRICADE shall be constructed according to the 7/03/01 design by Meckley (Exhibit J) near the Spur 4/17-8-13 junction at the completion of operations.

Optional Spurs 3d and 5

- If either road is not constructed, the timber within the Right-of-Way tags shall be cut according to the surrounding Area's prescription.
- Construct 14- to 16-foot wide outsloped spurs.
- For Spur 5, ditches on the Nelson Creek Road (17-8-14) shall be modified to ensure drainage both ways from the spur junction. If spur is not rocked, immediately upon completion of hauling, a 6'wide by 6'deep tank trap blocking access shall be constructed near the Spur 5 and Nelson Creek Road junction.

EXHIBIT D

MAINTENANCE (ANNUAL AND FINAL)

WATERBARRING

- Prior to October 15 of each year and at sale termination, one to two foot deep drivable waterbars on at least a 45 degree angle shall be installed every 20 feet in elevation change or as directed by the STATE. Leadoff ditches shall extend past road R/W boundaries where necessary for drainage.
- If Purchaser elects to rock any of these road systems, waterbarring that road will not be required until sale termination.

GATES

- Steel gates once installed, shall be maintained by the PURCHASER for the duration of the timber sale contract.

FINAL MAINTENANCE

- At the completion of operations, ruts shall be graded out and outslope and ditchouts re-established.
- Waterbars shall be constructed as described above regardless of whether or not the roads have been rocked.

EXHIBIT E
END-HAULING REQUIREMENTS

ROAD	STA. TO STA.	CONTAINMENT	WASTE AREA LOCATION	WASTE AREA TREATMENT
Spur 2a	3.80 to 4.80	1	1	1

End-Haul Areas General Requirements

Material shall not be intentionally side cast.

Clearing and grubbing debris shall be end-hauled.

Containment

Full containment: The amount of material lost over the outside edge of the road shall not exceed 6 inches in depth measured perpendicular to the natural ground slope. Pioneer excavation shall be removed by digging, loading, and hauling rather than by pushing or scraping methods.

Any amount of material exceeding the containment requirements shall be removed by whatever means necessary and end-hauled to a designated waste area.

Waste Area Location

Approved stable locations on State Land.

Waste Area Treatment

Deposit at waste area, spread evenly, compact, and provide adequate drainage.

EXHIBIT F
ROAD SURFACING

TYPE OF ROCK	SIZE OF ROCK	COMPACTED DEPTH	ROAD	STATION TO STATION	APPROX. TOTAL TRUCK MEASURE VOLUME
Crushed Quarry	3" minus	8"	Spurs 2a and 3a	First 30 feet of road	80 CY
Crushed rock shall be from a commercial quarry					

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

EXHIBIT F

ROCK ACCOUNTABILITY

The rock shall meet the quality and size specifications in Exhibit F. . PURCHASER shall obtain subgrade approval from STATE prior to rocking.

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

EXHIBIT F

COMPACTION REQUIREMENTS

Fills. 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. A pass is defined as traveling a fill layer in one direction and then back over that same layer again.

Compaction shall be accomplished by using the approved equipment listed below or others approved by STATE:

ROAD SEGMENT	COMPACTION EQUIPMENT OPTIONS
All roads	Crawler Tractor and/or Excavator bucket tamping

EXHIBIT G

CULVERT SPECIFICATIONS

All culvert materials shall be furnished and installed by PURCHASER, unless otherwise specified in the Contract. Culverts shall be constructed of corrugated galvanized or aluminized steel. Corrugated polyethylene may be used for sizes up to 36 inches in diameter. All culverts shall conform to the material and fabricating requirements of the "Standard Specifications for Highway Construction" prepared by the Highway Division of the Oregon State Department of Transportation. Corrugation types and shapes other than those meeting the above minimum Highway requirements, shall be approved in writing by STATE.

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 stipulated in special instructions.

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 pipe. The culvert trench shall be excavated 3 pipe diameters wide to permit compaction and working on each side of the pipe. Tamping shall be done in 6-inch lifts, 1 pipe diameter each side of the pipe to 95 percent density or over. Bedrock shall be excavated as required to provide a uniform foundation for the full length of the culvert.

A bedding of granulated material or 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 pipe.

Backfill shall consist of granulated material, crushed rock, or job-excavated soil free of stumps, limbs, rocks, or other objects which would damage the pipe.

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

Joining shall be done with bands of like material and corrugations. Manufacturers' instructions shall be followed for prefabricated pipe assembly.

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

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

EXHIBIT G
 CULVERT SPECIFICATIONS

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" and 18" for culverts 42" to 96" (add 6" for roads which will not be rocked). Minimum vertical cover for other designs shall be as specified by STATE.

Lengths of individual culvert sections shall be not less than 10 feet, unless otherwise provided for in special instructions.

The ends of each culvert shall be free of logs and debris which would restrict the free flow of water. The intake end of relief culverts shall be provided with a sediment catching basin 3 feet in diameter at the bottom. The outlet end of any culvert which would allow water to erode embankment soil shall be provided with a half round or other approved slope protection device. Construct lead-off ditches away from culvert outlets where the slope gradients restrict the free flow of water.

Following are the minimum standard gauges for pipe and coupling bands. Some culverts may require different gauges and may be found in the culvert listing.

Dia.	Steel Pipe Gauge	Band Gauges	Band Widths (")			Hugger Band Widths (")	
			Annular	Helical	Dimpled	Annular	Helical
12-15	16	16	7	12	12	13 1/8	10 1/2
18-24	16	16	12	12	12	13 1/8	10 1/2
30-36	16	16	12	12	12	13 1/8	10 1/2
42	14	16	12	12	N/A	13 1/8	10 1/2
48	14	16	24	24	N/A	13 1/8	10 1/2
54	14	16	24	24	N/A	13 1/8	10 1/2
60	12	16	24	24	N/A	13 1/8	10 1/2
66-72	12	16	24	24	N/A	13 1/8	10 1/2
78	12	16	24	24	N/A	13 1/8	10 1/2
84	12	16	24	24	N/A	14 3/4	10 1/2
90-120	12	16	26	26	N/A	N/A	N/A

Culverts larger than 60" in diameter shall have 3" x 1" corrugations.

Polyethylene culverts shall be double walled and meet the requirements of AASHTO M-294-901, Type S.

EXHIBIT G
 CULVERT LIST

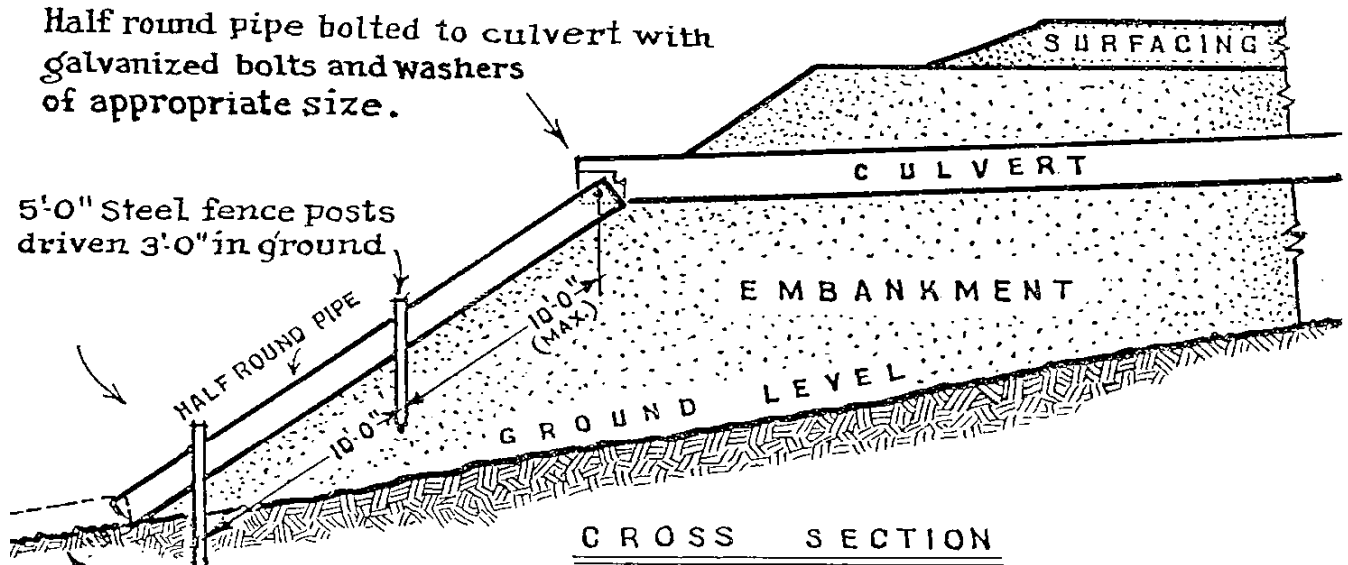
CULVERT NO.	DIAMETER (Inches)	CULVERT GAUGE	LENGTH (Feet)	MATERIAL TYPE	ROAD	STATION
	18	*	70	**	Spur 2a	County Rd Ditch
	18		30		"	1.00
	18		34		"	2.95
	24		38		"	3.96
	24		36		"	7.26
	18		48		Spur 2b	0.80
	24		40		Spur 3c	0.80

* Default gauges used if no choice is made
 ** (Default if no choice is made), Aluminized, Polyethylene

EXHIBIT G

TYPICAL HALF ROUND CULVERT INSTALLATION

(no scale)



Solid rock, boulders etc.
If erodable, install half round not less than 5.0ft. as directed by state.

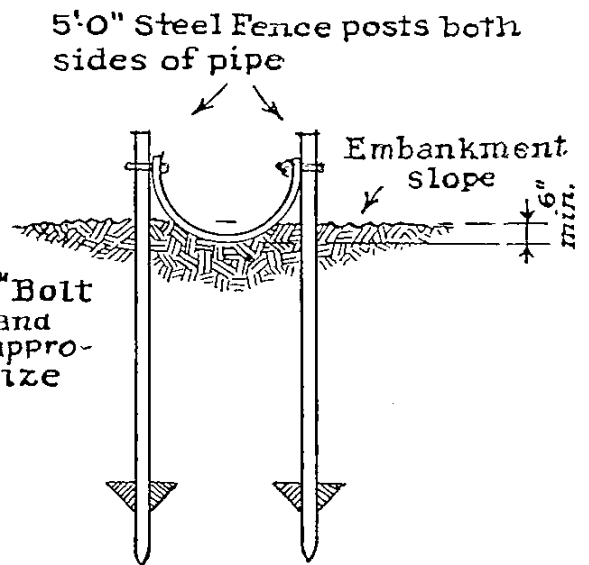
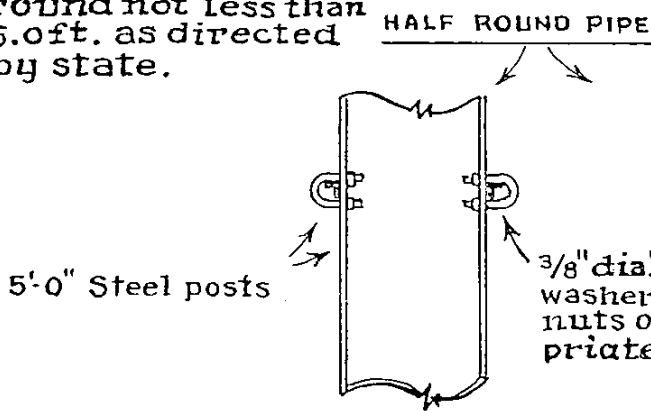
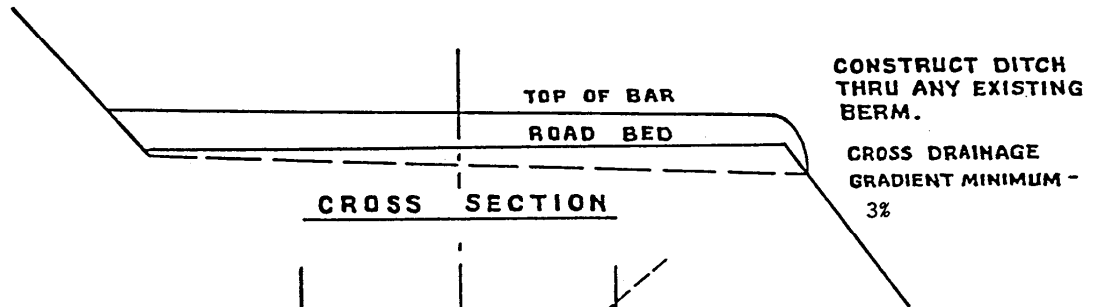
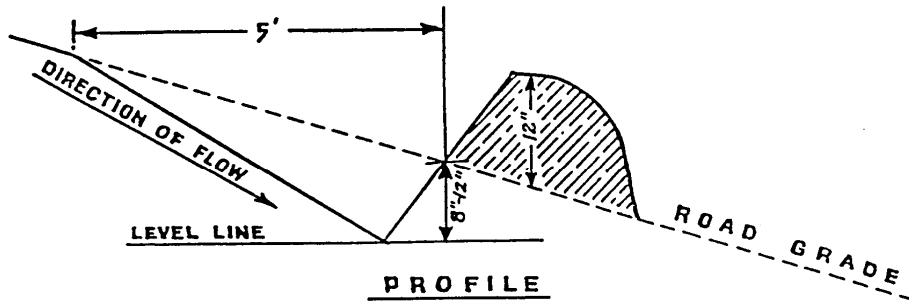
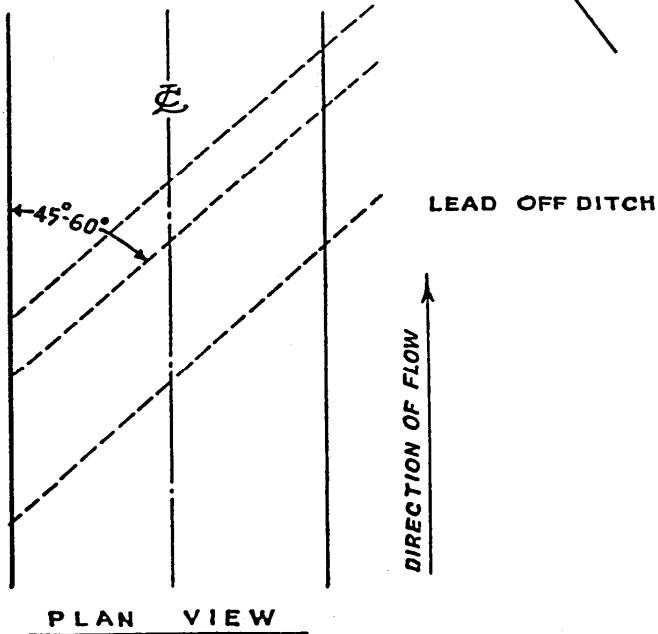


EXHIBIT H
 WATERBAR SPECIFICATIONS



SPACING OF WATERBARS

ROAD GRADE	DISTANCE
≤ 5%	200'
6-10%	200'
11-15%	130'
16-20% or greater	100'



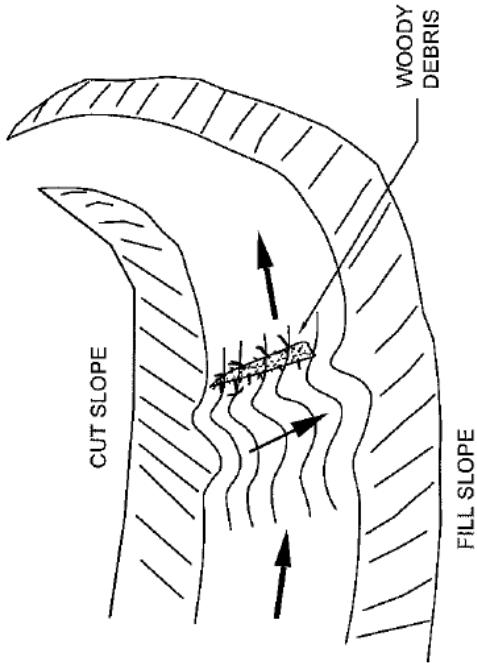
WATERBAR SPECIFICATIONS
 FOR CROSS DITCHING #298

EXHIBIT J
 BLM PERMIT

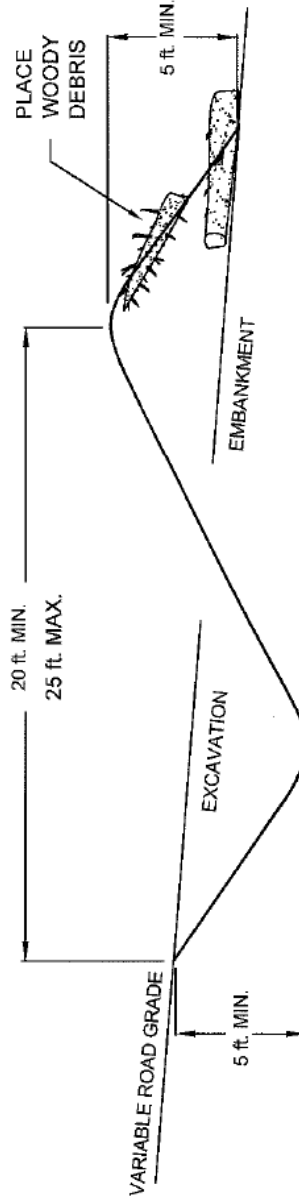
BLM/STATE OF OREGON
 SUPPLEMENT No. E-239
 PERMIT
 EXHIBIT J
 SHEET 1 of 1

CONSTRUCTION NOTES

- (1) PLACE WOODY DEBRIS, if available, WITHIN and ON EMBANKMENT TO DISCOURAGE VEHICULAR NEGOTIATION.
- (2) THE BOTTOM OF BARRICADE SHALL BE OUTSLOPED ON A 7% GRADE UNLESS OTHERWISE NOTED.
- (3) DRAWINGS NOT TO SCALE.



METHOD OF INSTALLATION



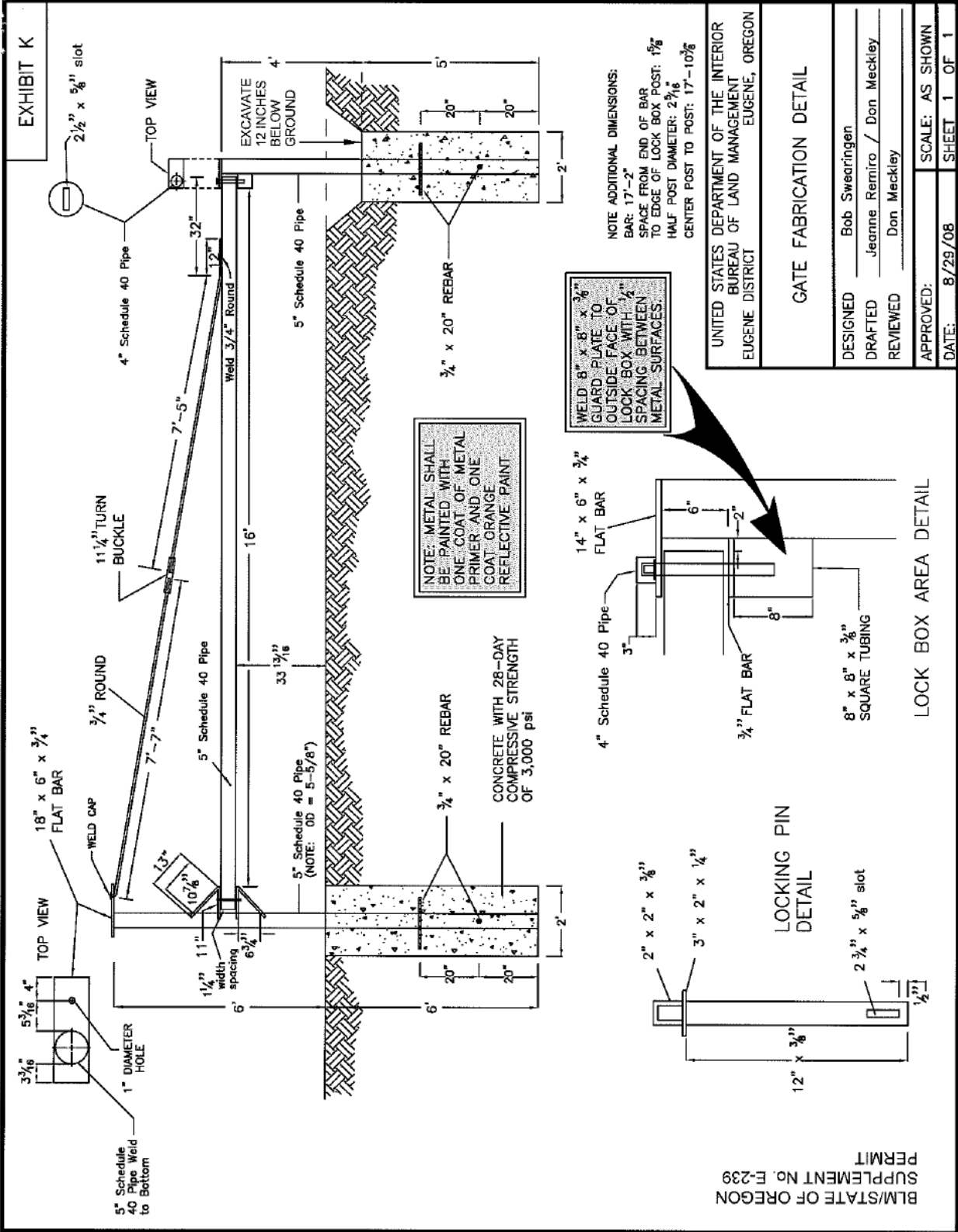
PROFILE VIEW

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

STANDARD DETAIL FOR
 EARTHEN ROAD BARRICADE

DESIGNED BY:
 Donald W. Mackley
 BLM PERMIT AREA OFFICE 7/03/01
 DATE

EXHIBIT K
 BLM PERMIT



BLM/STATE OF OREGON
 SUPPLEMENT NO. E-239
 PERMIT

PART IV: OTHER INFORMATION

State Timber Sale Contract
No. 341-10-21
Nelson Junction

NOTICE OF TRANSFER OF STATE TIMBER

Instructions

629:-Form-301-010

Complete Section 1. Mark the box which applies to you/your company in Section 2. Complete Section 3 and obtain signatures.

SECTION 1

On _____, state timber sale purchaser (Transferor)
_____, sold, exchanged or otherwise transferred to
_____, (Transferee) state timber originating from State
Timber Sale Contract No. _____.

Transferee hereby certifies that they:

- (a) Will not export the unprocessed state timber which is the subject of this transaction;
- (b) Will not sell, transfer, exchange or otherwise convey the unprocessed timber which is the subject of this transaction to any other person without first obtaining a like certification from that person.
- (c) Are not prohibited by OAR's 629-31-005 through 045 from purchasing state timber or logs directly from the State Forester, or this is a sale of Western Red Cedar for domestic processing.

SECTION 2

- Have not exported unprocessed timber originating from private lands in Oregon in the last 24 months.
- This is a sale of hardwood logs for domestic processing.
- This is a sale of Western Red Cedar for domestic processing.
- This is a sale of pulp logs or cull logs processed at domestic pulp mills, domestic chip plants or other domestic operations for the purpose of conversion of the logs into chips.

SECTION 3

The parties understand that falsely entering into this certification, or failure to comply with the terms of this certification is a violation of the Forest Conservation and Shortage Relief Act of 1990 and OAR Chapter 629, Division 31, and is subject to any and all penalties contained therein.

Transferor:

Transferee:

Signed

Signed

Title

Title

Dated

Dated

[Note: For the purpose of this form, the definition of unprocessed timber is the same as in OAR 629-31-005]

Mail To: State Forester
2600 State Street
Salem, OR 97310

**OREGON DEPARTMENT OF FORESTRY
Western Lane District**

Written Plan

**Nelson Junction Timber Sale
341-10-21**

Portions of Section 18, T17S, R07W, W.M.

Protected Waters : Small Type F (two un-named tributaries of Nelson Creek)

Activity : Cable yarding within 100 feet of small Type F streams for approximately 1600 feet (Un-Named trib), and 1400 feet (Un-Named trib).

Protection Measures :

- The Timber Sale is designed so that little yarding across stream RMAs should be necessary.
- No cutting will take place within approximately 100 feet of the stream (either side) except for any cable corridors that may be needed or for safety purposes.
- Any tree requiring to be felled for either corridors or safety reasons that is within the stream RMA (beyond the Timber Sale Boundary signs) will be felled away from the stream if safe to do so and left where they fall.
- Corridors through the RMA, if necessary, will be at least 100 feet apart (within the RMA).
- All lines will be re-spoiled and then restrung for each new corridor.

Prepared By: Art McCoy
Management Unit Forester

Date: June 23, 2009