

**SCALE SALE
PROSPECTUS**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
LAKEVIEW DISTRICT
KLAMATH FALLS FIELD OFFICE

KLAMATH FALLS FIELD OFFICE
KLAMATH MASTER UNIT

Klamath Falls Sale No. ORL04-TS26-02
Sale Date: **August 19, 2026 (10:00am)**

Scrawny Mutton Timber Sale,
Klamath County, O&C

Bid Deposit Required: **\$56,200**

All timber designated for cutting in NE ¼ NW ¼, SW ¼ NW ¼, NW ¼ SW ¼ Section 17; N ½ Section 31; T.39S., R. 05E.; W ½ Section 7.; T.40S., R.05E; Willamette Meridian.

Approx # of trees	Species	Est Volume MBF 16'	Appraised \$/MBF	Appraised Price
5,725	Douglas-fir	1,943.0	\$219.20	\$425,905.60
11,164	Ponderosa Pine	1,921.0	\$31.10**	\$59,743.10
6,408	White Fir	968.0	\$71.80	\$69,502.40
1,671	Incense-Cedar	95.0	\$37.20	\$3,534.00
982	Lodgepole Pine	78.0	\$31.60**	\$2,464.80
25,950		5,005.0		\$561,149.90

*Stumpage values have been determined by analytical and market value appraisal methods. Additional information concerning the appraised price is available at the Klamath Falls Field Office (KFFO).

**Minimum Stumpage values were used to compute the Appraised Price/MBF (10% of Pond Value). Negative value taken from primary and secondary species as price adjustment.

A revised Special Provisions has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and/or to modify or terminate the contract when necessary to: (1) Comply with the Endangered Species Act or to prevent incidental take of northern spotted owls in accordance with management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), or (2) Comply with a court order, or: (3) Protect species which were identified for protection in accordance with management direction established in the ROD and RMP.

CRUISE INFORMATION - SAWLOG INFORMATION – This sale will be offered as a **scale sale**. This cruise utilized the PCMTRE (variable Plot) cruise method with a 20 BAF. Two strata were setup across the three units. In Strata 1 (Units 7 and 31), plot spacing was 2.9 acres/plot across 565 acres. In Strata 2 (Unit 17), plot spacing was 1.9 acres/plot across 83 acres. Plot centers were monumented and flagged in pink. Maps available upon request. Form class was measured on each sample tree using a relaskop and bark thickness ratios. A combined sampling error of 14.4% with a 95% confidence level was achieved.

With respect to merchantable trees of all conifer species: the average tree is 17.0 inches DBH; the gross merch log contains 73 bd. ft.; the total gross volume is approximately 5,630 MBF and 89% recovery is expected.

Note: This timber sale has been cruised, appraised, and advertised based upon Scribner Board Foot Volumes (16 Foot Log). The minimum bid figures shown by species are dollars per thousand board feet (MBF). The minimum bid increment will be \$.10 per MBF.

LOG EXPORT AND SUBSTITUTION RESTRICTIONS - All timber offered for sale hereunder is restricted from export from the United States in the form of unprocessed timber and is prohibited from use as a substitute for exported private timber.

CUTTING AREA & HARVEST PRESCRIPTION -Four (4) units containing approximately 648 acres of harvest. All units are “leave-tree marked” and only live, unmarked trees >8” DBH shall be cut and removed. Leave-trees are marked with orange paint.

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

ACCESS - Access to the sale area is available via existing BLM, and Green Diamond Oregon Timber roads.

ROAD MAINTENANCE - The Purchaser will be required to maintain approximately 17.43 miles of existing roads. In addition, the Purchaser will be required to pay a maintenance fee of \$2,859.72 to the BLM for the use of these roads. The Purchaser shall comply with the conditions of the Right-of-Way and Road Use Agreement No. L-690 and pay Green Diamond Oregon Timber a maintenance fee of \$6,915.57 for use of these roads.

SOIL DAMAGE PREVENTION - Pursuant to Section 26 of Form 5450-4, Timber Sale Contract, the Purchaser shall not operate or cause to have operated on the contract area, any ground-based logging equipment when soil moisture content exceeds 20% by weight as determined by a moisture meter. This requirement does not apply if snow logging conditions exist as described in the contract.

EQUIPMENT REQUIREMENTS -

1. Mechanized harvesting equipment capable of cutting up to a 20-inch DBH tree and reaching a minimum of twenty (20) feet laterally.

2. At least one ground-based yarding tractor shall be equipped with an integral arch and winch system capable of lining logs at least one hundred feet (100').

SLASH DISPOSAL-

1. Whole tree yarding or yarding with the tops attached is required on all trees designated for cutting within all harvest units on Exhibit A.
2. Unmerchantable timber (slash, limbs, tops, cull logs, pieces of logs, etc.) can be removed as biomass or other products. If unmerchantable timber is removed as biomass or other nontraditional products, a second contract will be used, and the price of the material will be negotiated.
3. All trees shall be processed to a (3) inch top. Any non-merchantable logs left at the landing shall be decked separately from logging slash.

BUYOUT SECURITY-

1. The purchaser shall assist in burning as described in Section 44(F)(2). The purchaser shall have the option of completing this work, or in lieu thereof, may make a contribution to the Bureau of Land Management in the amount of fifteen thousand nine hundred ninety-two and 88/100 dollars (\$15,992.88) and upon making such contribution, the Purchaser shall be relieved of the obligations set out in this subsection. The amount of the contribution shown above shall be paid prior to cutting. The Purchaser shall notify the Authorized Officer of his intention to make this contribution upon execution of this contract.

OTHER-

1. Snow plowing and winter hauling will be allowed subject to the terms in Exhibit D, Exhibit P, Section 44(A)(8), and a waiver from the authorized officer.
2. For completing bonding and contract signing requirements, extension of time beyond the normal 30 days may be granted upon written request and justification from the Purchaser.
3. All operations are seasonally restricted from October 15th of one calendar year to May 15th of the following calendar year, unless waived by the Authorized Officer or winter logging conditions exist.
4. All equipment will be cleaned prior to operating on BLM lands to prevent the spread of noxious weeds.

5. All landing piles and decked cull logs require a machine constructed fire line around the entire pile.
6. This contract includes an additional special provision to ensure the Purchaser understands he/she is required to conduct all operations in compliance with Contract Section 12 (Purchaser's Contractual Responsibilities for Liability) and Contract Section 29 (Safety and Health) and the Special Provisions included in Section 44 of this Contract.
7. Hand falling shall be required for trees greater than twenty (20) inches unless approved by the authorized officer.

CONTRACT TERMINATION - A Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and/or to modify or terminate the contract when necessary to comply with the Endangered Species Act or comply with a court order. This contract provision limits the liability of the Government to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA –

The Scrawny Mutton Timber Sale is located approximately sixteen (3) miles west of Klamath Falls. From Klamath Falls, take Highway 66 west for approximately 33 miles to the sale area.

ENVIRONMENTAL ASSESSMENT - An environmental assessment was prepared for this sale, and a Finding of No Significant Impact has been documented. This document is available for inspection as background information for this sale at the Klamath Falls Field Office.

Notice of Decision for sale of timber dated July 15th, 2026.

Section 43

(A) Timber Reserved from Cutting

The following timber on the contract area is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of the Government:

- (1) **AR-1** All timber on the reserve areas as shown on Exhibit A and all blazed, orange painted, or orange painted and/or posted trees which are on or mark the boundaries of the reserve areas, and all orange painted trees within all units as shown on Exhibit A, and all trees within the scattered reserve area “skips” designated with posters and orange paint on the exterior boundary. .
- (2) **IR-3** All Douglas-fir, sugar pine, western white pine, and ponderosa pine trees which are greater than 36 inches diameter at breast height outside bark (DBHOB) in all cutting units shown on Exhibit A.
- (3) **IR-13** All existing snags, or downed trees of all decay classes in all cutting units shown on Exhibit A which do not present a safety hazard as determined by the Authorized Officer. All existing snags felled and all downed trees shall be retained on site unless approved by the Authorized Officer.
- (4) Summary of Reserved Timber by Unit:

In units 7-1, 17-1, 17-2, and 31-1 (all units) only unpainted trees that are greater than 8.0 inches DBHOB may be cut and removed.

Section 44

(A) Logging

- (1) **L-1** Before beginning operations on the contract area for the first time or after a shutdown of seven (7) or more days, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of seven (7) or more days.
- (2) **L-2** Prior to the commencement of operations the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract, which shall include measures needed to ensure protection of the environment and watershed. A pre-work conference between the Purchaser’s authorized representative and the Authorized Officer must be held at a location designated by the Authorized Officer before the logging plan is approved. All logging shall be done in accordance with the plan.
- (3) **L-4** All trees designated for cutting shall be cut so that the resulting stumps shall not be lower than six (6) inches nor higher than twelve (12) inches measured from the

ground on the uphill side of the trees unless otherwise approved by the Authorized Officer.

- (4) **L-8** In all harvest units as shown on Exhibit A, all trees designated for cutting less than or equal to twenty (20) inches D.B.H.O.B shall be mechanically felled and whole tree yarded except when excessive stand damage occurs as determined by the Authorized Officer. If excessive stand damage occurs, all logs shall be completely limbed and bucked into lengths determined by the authorized officer prior to being yarded. All logging slash shall be removed to the landing concurrently with logging.

In all harvest units as shown in Exhibit A, all trees designated for cutting greater than or equal to twenty decimal one (20.1) inches D.B.H.O.B shall be felled by hand, bucked, and yarded with tops attached except when excessive stand damage occurs as determined by the Authorized Officer. If excessive stand damage occurs, all logs shall be bucked into lengths determined by the authorized officer prior to being yarded. All logging slash shall be removed to the landing concurrently with logging.

- (5) **L-12** In the entire contract area shown on Exhibit A, yarding and felling shall be done in accordance with the yarding requirements or limitations for the designated area as follows.

<u>Designated Area</u>	<u>Yarding Requirements or Limitations</u>
Entire Contract Area	Approval of landing locations and sizes shall be obtained from the Authorized Officer prior to landing construction or use.
Entire Contract Area	Landing size shall not exceed one-quarter (¼) acre unless otherwise approved by the Authorized Officer.
Entire Contract Area	No tractor or wheel-type equipment shall be operated in or through any stream shown on Exhibit A except under special condition approved in the logging plan.
Entire Contract Area	All log loading shall be done with boom type loaders.
Entire Contract Area	Winter yarding is allowed between October 15 and May 15, when one of the following conditions is present: (a) Snow depth in the cutting unit averages twenty (20) inches or more.
Entire Contract Area	The location of the skid roads shall be clearly designated on the ground, spaced at approximately 150-foot intervals, and approved by the Authorized Officer, prior to felling of timber to be yarded over that skid road. Existing skid roads will be utilized where possible. If constructed skid roads are spaced less than 150-foot intervals, the Authorized Officer will require identified skid trails to be ripped.
Entire Contract Area	Yarding and Mechanical Harvesting shall be confined to periods when soil moisture is less than twenty (20) percent at

a six (6) inch depth as measured by the Authorized Officer, or when wintertime yarding conditions are met. Yarding and Mechanical Harvesting will be suspended if soil damage is occurring, as determined by the Authorized Officer in accordance with Section 26.

Entire Contract Area	Yarding equipment shall be operated only on skid roads approved by the Authorized Officer.
Entire Contract Area	At least one yarding tractor or wheel- type equipment shall be equipped with an integral arch and winch system capable of lining logs at least one hundred (100) feet.
Entire Contract Area	All trees designated for cutting that cannot be felled with a mechanical harvester shall be felled to the lead of designated skid trails.
Entire Contract Area	All trees twenty (20) inches DBH and smaller designated for cutting shall be felled and pre-bunched within forty (40) feet of and to the lead of designated skid trails with a mechanical harvester. The mechanical harvester must be capable of cutting up to a twenty (20) inch DBH tree and have an arm capable of reaching at least twenty (20) feet laterally.

- (6) **L-13** In all units shown on Exhibit A, all logs more than 3 inches in diameter at the small end and exceeding 8 feet in length shall be processed and decked at landings, at least twenty (20) feet away from slash piles and within 20 feet of a road, except logs sold and removed from the contract area. Decked logs will not impede traffic on the roadway and must be decked so as to not block a ditch or disrupt the road prism. Cull logs shall be decked in the same manner.
- (7) **L-19** No harvest activity shall be conducted on all cutting units and all roads between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. If conditions are met as described in Section 44 [A][5] as determined by the Contracting Officer, harvest activity will be allowed.
- (8) **L-19** No landing operations, rock haul, and log haul between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. The Purchaser may wet season haul, with the Authorized Officer's approval on the following roads: 40-5E-6.0, 40-5E-7.0, 40-5E-7.1, 39-5E-31.0, 39-5E-31.3, 39-5E-31.6, 39-5E-31.8, and 39-5E-31.9. If the use of these roads during the wet season causes or begins to cause road damage or the transport of sediment into streams, the Authorized Officer may suspend wet season haul or require additional erosion control devices to prevent damage or off-site transportation of sediment. Additional rock may be required at the Purchaser's expense to repair any damage that occurs to the road during wet season haul. The Purchaser shall have the option to rock/add rock to road numbers 39-5E-31.1, 39-5E-31.2, 39-5E-31.4, 40-5E-4.0 3138, GDOT Spur #1, GDOT Spur #2, GDOT Spur #3, GDOT Spur #4, GDOT Spur #5, Temp Road #1,

Temp Road #2 , Temp Road #3 and 39-5E-28.1 3142 for wet weather haul. Purchaser option rocking depths will be determined and approved by the Authorized Officer. Any costs for rocking and installation of additional drainage features will be at the Purchaser's expense and shall be completed in accordance with the plans and specifications shown in Exhibit C of this contract. Additional approval may be required by Green Diamond Oregon Timber for any road segments they own and control.

- (9) **L-21** Prior to attaching any logging equipment to a reserve tree, the Purchaser shall obtain written approval from the Contracting Officer and shall take precautions to protect the tree from damage as directed in writing by the Contracting Officer.
- (10) **L-24** Before cutting and removing any trees necessary to facilitate logging in all cutting units shown on Exhibit A, the Purchaser shall identify the location of the skid roads, landings, corridors, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding with cutting the following conditions must be met:
- (a) All skid roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees, however, unless otherwise approved in writing by the Contracting Officer, the width of each skid road shall be limited to 14 feet.
 - (b) The Purchaser may immediately cut and remove additional timber to clear skid roads, landings, and danger trees when the trees have been marked with pink paint above and below stump height by the Authorized Officer and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber to be sold will be determined by the Authorized Officer in accordance with the Bureau of Land Management prescribed procedures. No timber may be cut or removed under the terms of this provision unless sufficient installment payments have been made in accordance with Section 3.(a). of the contract or sufficient bonding has been provided in accordance with Section 3.(d). of the contract.
 - (c) The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Section 9 of the contract; or, the Authorized Officer determines that the species of trees are not listed in Exhibit B of this contract or any tree that exceeds forty (40) inches diameter at breast height shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Section 8 of the contract.
 - (d) This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer

if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked and approved for cutting by the Authorized Officer, which under Section 10 of the contract constitutes a violation of the contract and under Section 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.

(e) If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber, and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Section 8 or Section 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay, or interrupt any or all contract work for the period deemed necessary and appropriate for the Government to safely measure and mark additional timber.

- (11) **L-26** If extensive damage is occurring, as determined by the Authorized Officer, timber designated for cutting shall be felled and yarded in two (2) stages. Falling and yarding of designated timber shall be completed for each stage prior to the felling and yarding of the next stage. Timber in the second (and subsequent) stage shall be felled into and yarded through openings created by prior logging.

(B) Road Use and Maintenance

- (1) **R-1** The Purchaser shall renovate all roads and other structures in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.
- (2) **R-1a** Any required construction or renovation of structures and roads shall be complete and accepted, in accordance with Section 18, **prior to removal of any timber**, except Right-Of- Way timber, over that road.
- (3) **R-2** The Purchaser is authorized to use the roads listed below and shown on Exhibit D which are under the jurisdiction of the Bureau of Land Management for the removal of Government timber sold under the terms of this contract, provided that the Purchaser pay the required maintenance and rockwear obligation described in Section 44 (B) (5). Any road listed on Exhibit D and requiring renovation in Exhibit C of this contract shall be maintained by the Purchaser until receiving written acceptance from the Contracting Officer. The Purchaser shall pay current Bureau of Land Management maintenance and rockwear fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles	Road Ownership / Maintenance Responsibility	Road Surface
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	Used		Type
40-5E-6.0	2.75	BLM and GDOT / Purchaser	Rock
40-5E-7.0	1.54	BLM / Purchaser	Rock
40-5E-7.1	0.04	BLM / Purchaser	Rock
39-5E-31.0	1.69	BLM and GDOT / Purchaser	Rock
39-5E-31.1	0.43	BLM / Purchaser	Natural
39-5E-31.2	0.14	BLM / Purchaser	Natural
39-5E-31.3	0.30	BLM / Purchaser	Rock
39-5E-31.4	0.48	BLM / Purchaser	Natural
39-5E-31.6	0.20	BLM / Purchaser	Rock
39-5E-31.8	0.21	BLM / Purchaser	Rock
39-5E-31.9	0.19	BLM / Purchaser	Rock
40-5E-4.0 3138	5.24	GDOT / Purchaser	Rock
GDOT Spur #1	.58	GDOT / Purchaser	Natural
GDOT Spur #2	.27	GDOT / Purchaser	Natural
GDOT Spur #3	.05	GDOT / Purchaser	Natural
Temp Road #2	0.19	BLM and GDOT / Purchaser	Natural
Temp Road #3	0.04	BLM / Purchaser	Natural
39-5E-28.1 3142	1.07	GDOT / Purchaser	Rock
GDOT Spur #4	1.32	GDOT / Purchaser	Natural
GDOT Spur #5	.54	GDOT / Purchaser	Natural
Temp Road #1	0.16	BLM and GDOT / Purchaser	Natural

- (4) **R-2a** With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users on roads included in Section 44 (B) (3) of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of their liability for the maintenance and repair of such roads resulting from wear or damage, in accordance with this contract. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.
- (5) **R-2b** The Purchaser shall pay the Government a road maintenance and or rock wear fee obligation in the amount of **two thousand eight hundred fifty nine and 72/100 (\$2,859.72)** for the transportation of timber included in the contract area over said road or roads. The above road maintenance amount is for the use of six and 34/100 (6.34) miles of road or less. If the total road maintenance and rockwear does not exceed five hundred dollars and no/100 (\$500.00), the purchaser shall pay such amount in full prior to use of such roads. If the total road maintenance and rockwear fee exceeds five hundred dollars and no/100 (\$500.00), the Authorized Officer shall establish an installment schedule of payments of the maintenance and rockwear obligations.

The purchaser shall pay **six thousand nine hundred fifteen and 57/100 (\$6,915.57.00)** for the transportation of timber included in the contract area over said

roads owned and managed by Green Diamond Oregon Timber. Purchaser shall execute and abide by a license agreement with Green Diamond Oregon Timber and payment will be made in-full prior to any timber hauling.

- (6) **R-2f** The Purchaser shall perform any required road repair and maintenance work on roads used by him under the terms of Exhibit D, "Road Maintenance Specifications", of this contract, which is attached hereto and made a part hereof except for the BST roads which will be maintained by the BLM.
- (7) **R-4** The Purchaser shall be required to secure written approval to use vehicles or haul forest products and equipment over Government owned or controlled roads when such vehicles or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit or if vehicles meet allowable non-permitted State vehicle weights, but the haul route crosses a structure or segment of road that is posted for reduced weights. The Purchaser agrees to abide by any special requirements included in said written approval.

Details of such equipment shall be furnished to the Authorized Officer for evaluation of load characteristics, at least fifteen (15) days prior to proposed move in.

Details shall include:

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

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

- (8) **R-5** **Tracked type equipment shall not** be allowed to cross over concrete bridge decks, other concrete surfaced structures or **asphalt surfaced roads** without the proper protection of that surface. Prior approval shall be obtained from the Authorized Officer when crossing with protective devices. The Purchaser shall be responsible for repair of any damage to roads or structures caused by the use overweight or over-dimension vehicles or equipment: (1) without written approval; (2) in violation of the conditions of a written approval; or, (3) in a negligent manner. The amount of actual

damage shall be determined by the Authorized Officer following a technical inspection and evaluation.

(C) Environmental Protection

- (1) **E-1** In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall conduct all operations in a manner that minimizes damage to conifer reproduction and all other reserved trees regardless of size or merchantability.
- (2) **E-1** In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall remove slash and debris from roadways and landings concurrently with yarding as directed by the Authorized Officer.
- (3) **E-2** The water bars to be constructed as required by Sec. 26(c) shall be constructed in accordance with the specifications shown on Exhibit C which is attached hereto and made a part hereof.
- (4) **E-7** In order to prevent the spread of noxious weeds, the Purchaser shall pressure wash all equipment prior to entry onto BLM lands and between sale locations as directed by the Authorized Officer. Cleaning shall be defined as removal of all dirt, grease, plant parts and material that may carry noxious weed seeds. The purchaser shall give the Authorized Officer 24-hour notice before moving equipment onto BLM land.

(D) Fire Prevention and Control

- (1) **F-1a** Fire Prevention and Control Primarily for purposes of fire prevention and control, the Purchaser shall comply with the following provisions.
 - (a) At least three (3) days prior to the operation of power driven equipment in construction of logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the State of Oregon, Department of Forestry.
 - (b) Provide and maintain on the contract area in good working order, and immediately available, the following equipment for use during closed fire season or periods of fire danger: see Exhibit F-1
 - (c) The Purchaser shall restrict operations, and provide the services of a fire watchman, during periods of fire danger as specified in Exhibit F-2 which is attached hereto and made a part hereof.
 - (d) Where blocks and cables are used on the contract area during periods of fire danger, the Purchaser shall remove all flammable material at least ten (10) feet from the place where the tail or any other block will hang when the cable is tight. Such clearings shall be inspected periodically by the Purchaser and shall be kept free of flammable material.

(E) Slash Disposal and Site Preparation

- (1) **SD-1 Fire Hazard Reduction** In addition to the requirements of Sec. 15 of this contract, and notwithstanding the Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following hazard reduction measure(s) required by this contract:
- (a) **Definitions** - Slash, as defined for this section, shall mean all woody material (brush, limbs, tops, logs, chunks, and severed trees) not removed from the contract area during the primary removal operation. This includes old slash existing prior to timber sale entry. Landing, as defined for this section, shall mean any location where woody material was loaded on trucks and any other location that became a destination for yarded woody material.
 - (b) **Landing Piling** Pile all slash located within one hundred (100) feet of landings and designated locations for placement of gross yarded material. Slash shall be piled with a grapple/shovel loader. Slash shall not be piled using a blade. Finished piles shall be tight and free of earth. No portion of any pile will be located under the crown of any live or other reserve trees. A four (4) foot wide, fuel free area shall be cleared around each pile and deck of any yarded material. Unmerchantable logs at landings sixteen (16) inches in diameter and larger at the small end shall be used to block skid trails as directed by the authorized officer.
 - (c) Upon completion of landing piling, the Purchaser shall prepare the landing piles for burning. If the structure of the landing piles will not permit adequate consumption of piled debris by burning, the Purchaser shall re-pile them at the direction of the Authorized Officer.
- (2). **SD-2** Notwithstanding the provisions of Sec. 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by Purchaser's operations on Government lands, except for burning and mop-up assistance as required herein. In accordance with written instructions to be issued by the Authorized Officer at least ten (10) days in advance of the earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or designated representative, assist in preparing units for burning, mop-up, and patrol by furnishing, at the Purchaser's own expense, the services of personnel and equipment on each unit as shown below:

For igniting and burning landing piles on all Harvest Areas, the Purchaser shall provide one (1) eight (8) person hand crew including a designated crew foreman. The crew shall be equipped with fuel, ten (10) drip torches or propane burner, four (4) fire shovels, four (4) pulaskis, one (1) power saw and enough radios to facilitate Inter-crew communications. All crew members must have a current qualification card for FFT2 or higher. All qualifications are defined according to National Wildfire Coordinating Group (NWCG) Wildland Fire Qualifications System guide, PMS 310-1. Qualifications and equipment levels are the minimum and may exceed those stated above.

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

All listed personnel shall be physically fit, experienced and fully capable of functioning as required. All personnel shall arrive at the project area(s) with the following personal safety equipment: lug-soled leather boots with minimum eight (8) inch uppers that provide ankle support, an approved hardhat, leather gloves, long pants and a long sleeve shirt made approved fabric (Nomex or equivalent), and an approved fire shelter. All listed tools and equipment shall be in good usable condition. All power-driven equipment shall be fully fueled and available for immediate use. During periods of use under this subsection, the purchaser shall provide fuel and maintenance for all such power-driven equipment. In addition, all listed personnel directly involved in burning operations shall be certified Fire Fighters qualified according to the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualifications System guide, PMS 310-1.

Except as provided hereafter for fire escapement, the Purchaser shall continue the required assistance in mop up on each cutting unit shown on Exhibit A for seventy-two (72) hours, as directed by the Authorized Officer within a five (5) day period commencing at 8:00 a.m. the day following the completion of ignition in that unit, or until released from such service by the Government, whichever occurs first.

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

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

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

Time is of the essence in complying with this provision. In the event the Purchaser

fails to provide the personnel and equipment required herein, the Purchaser shall be responsible for all additional cost incurred by the Government in disposing of slash including but not limited to the wages and other costs of providing federal employees and others as substitute labor force, the cost of providing substitute equipment and appropriate additional overhead expenses. If the Purchaser's failure results in a deferral of burning and new conditions necessitate additional personnel and equipment to accomplish the planned burn, the Purchaser also shall be responsible for such additional costs.

(F) Equal Opportunity in Employment

Certification of Nonsegregated Facilities attached hereto and made a part hereof.

(G) Buyout Securities:

The purchaser shall assist in burning as described in Section 44(E)(2). The purchaser shall have the option of completing this work, or in lieu thereof, may make a contribution to the Bureau of Land Management in the amount of fifteen thousand nine hundred ninety-two and 88/100 dollars (\$15,992.88) and upon making such contribution, the Purchaser shall be relieved of the obligations set out in this subsection. The amount of the contribution shown above shall be paid prior to cutting. The Purchaser shall notify the Authorized Officer of his intention to make this contribution upon execution of this contract.

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

Contract No.: ORL04-TS26-02

Sale Name: Scrawny Mutton
Timber Sale

Issuing Office: Klamath Falls Field
Office

**EXHIBIT B
SCALE SALE**

PURCHASE PRICE SCHEDULE AND MEASUREMENT SPECIFICATIONS

- I. **Timber and Other Wood Products Sold** - In accordance with Section 2 and 3, the Purchaser agrees to pay the Government for the timber and other wood products sold under the contract in accordance with the following schedule, measurement standards, and requirements. Wood products sold is comprised of Timber, Other Wood Products, and Timber and Other Wood Products Remaining as defined below. In the event an Extension of Time is approved, the prices per measurement unit may be subject to readjustment in accordance with Section 9 of the contract.

Timber Schedule

Species	Unit of Measure	Price Per Measurement Unit
Douglas Fir	MBF	\$219.20
Ponderosa Pine	MBF	\$31.10
White Fir	MBF	\$71.80
Incense-cedar	MBF	\$37.20
Lodgepole Pine	MBF	\$31.60

Other Wood Products Schedule

Product/Species	Unit of Measure	Price Per Measurement Unit
Clean Chips	Ton	To be negotiated
Hog Fuel	Ton	To be negotiated

The Authorized Officer shall establish unit of measure and price per measurement unit, in accordance with standard Bureau of Land Management (BLM) procedures, for any species or products not listed in this Exhibit that are cut or removed from the contract area.

- II. **Timber** – Includes standing trees, downed trees or logs, or portions thereof, which can be cut into logs that equal or exceed the specifications below.

All logs defined below, which have not been reserved to Government in Section 43 of the contract, shall be designated as timber under this contract. Logs or portions of logs which equal or exceed all the following minimum log specifications shall be considered timber sold. The Purchaser shall pay for all timber removed in accordance with Section 3 of the contract at the price per measurement unit shown in Section I of this Exhibit.

- Log or portion of a log that is:
 - One third (1/3) sound.
 - Small End Diameter Inside Bark (DIB) – Six (6) inches
 - Length – Eight (8) feet four (4) inches

III. Other Wood Products – Includes timber and other woody material not meeting the timber specifications above (i.e., pulp, biomass, chips, hog fuel).

If Purchaser removes any products or species which do not meet the minimum log specifications for timber in Section II, such material shall be considered other wood products. Purchaser shall pay for other wood products in accordance with Section 3 of the contract at the price per measurement unit shown in Section I of this Exhibit.

IV. Timber and Other Woods Products Remaining - The remaining volume of any timber or other wood products, which have not been reserved to Government in Section 43 of the contract, shall be determined as provided in Section 3(g) of the contract using specifications set forth in the table below. The Purchaser shall pay for the sum of all remaining volume in accordance with Section 3 of the contract at the unit prices shown in Section I of this Exhibit.

Left Standing Timber	Felled Timber Not Removed
Diameter at Breast Height (DBH): 8"	Small End DIB: 6
Log Height: 16'	Log Length: 8'
% Sound: 33%	% Sound: 33%
Net Tree Volume: 5 bd-ft	Net Log Volume: 3 bd-ft

V. Measurement Standards

1. **Log Scaling Loads:** All species or products in Section I, with MBF as the Unit of Measure shall be designated as log scaling loads.
 - a. Log scaling services shall be provided and performed by BLM Certified Scalers or BLM-authorized Third-Party Scaling Organizations (TPSO), as determined by the Authorized Officer. The Purchaser's employees or contractors may not perform log scaling.
 - b. All logs shall be scaled in Eastside Scribner Log Rules according to the Official Log Scaling and Grading Bureaus, Northwest Log Rules Eastside and Westside Log Scaling Handbook, as amended or supplemented, at the time the logs are scaled.

- c. All logs shall be scaled using an authorized BLM log scaling method approved by the Authorized Officer in accordance with BLM prescribed procedures. A list of authorized BLM log scaling methods is available upon request.
- d. Purchaser shall ensure all logs are presented so that they may be scaled in an economical and safe manner.
- e. Scaling deductions made for rot, check or other defect resulting from abnormal delay in scaling caused by Purchaser shall be recorded separately and charged to the Purchaser in accordance with Section 3(g) of the contract when applicable. Avoidable delay in log scaling caused by the Purchaser that results in a measurable reduction in timber volume or quality would generally be considered abnormal delay, as determined by the Authorized Officer.
- f. Mechanical damage to logs that occurs during unloading identified by the TPSO will not be considered a deductible defect.
- g. The BLM will conduct check scaling using the following standards:
 Gross Scale - A variance of one and ½ percent (1.5%) in gross scale is the standard unless otherwise justified.
 Net scale - The allowable variance is as follows:

Check scaler's percent defect in logs	Scalers allowable variance
0-10 percent	2 percent
over 10 percent	0.2 * percent defect to a maximum of 5 percent

Determinations as to volume of timber made by a BLM check scaler in conformance with the standards as set forth herein shall be final. When such checks show a variance in scale more than acceptable standards, in two or more consecutive check scales, an adjustment to the volume reported as scaled will be made by BLM. Such adjustments will be made based on the difference between available BLM check scales and the original scale during the period covered by the unsatisfactory check scales. Unless otherwise approved in writing by the Authorized Officer, the volume to which this difference will be applied will be fifty (50) percent of the volume scaled between the last satisfactory check and the first unsatisfactory check, one hundred (100) percent of the volume scaled during the unsatisfactory check, and fifty (50) percent of the volume between the last unsatisfactory check scale and the next satisfactory check scale.

- 2. **Weight Loads:** All species or products in Section I, with Tons as the Unit of Measure shall be designated as weight loads.
 - a. All weight loads shall be weighed on State certified scales.
 - b. Scales must have a current inspection tag or seal posted which shows the date of the most recent test by the State weights and measures agency.

- c. No load shall be presented for weighing that exceeds the certified capacity of the scales in use.
- d. Each load shall be weighed as a single unit. Gross and tare weight must be machine printed on a weight receipt. Average tare weights shall not be used, unless approved by the Authorized Officer. In addition to the gross and tare weight, the following shall be recorded with each weight receipt:
 - Contract name and number
 - Load Ticket number
 - Date, time, and location the load was weighed

VI. Accountability

1. Purchaser shall notify the Authorized Officer three (3) business days prior to starting or stopping of hauling operations performed under the contract.
2. The Purchaser must provide the following information to the Authorized Officer three (3) business days prior to the commencement of haul: log scaling and weighing location(s), planned beginning haul dates, anticipated number of loads per day to each scaling or weighing location, logger name and contact information, and log brands to be used, and the log brand registration number(s).
3. A Scaling Authorization Form(s) must be completed and approved by the Contracting Officer prior to beginning of hauling operations. The Scaling Authorization(s) will include approved measurement methods, merchantability standards, sort descriptions, and authorized delivery locations for all loads hauled from the contract area. For log scale loads, all log scaling locations on the Scaling Authorization(s) are required to have a Log Yard Authorization with the BLM. Approved Scaling Authorizations will be provided to the Purchaser upon request.
4. All loads will be scaled and/or weighed at locations listed on the Scaling Authorization as approved by the Authorized Officer.
5. Purchaser shall notify the Authorized Officer three (3) business days in advance to request additional log scaling and/or weighing locations for approval on the Scaling Authorization(s).
6. Purchaser shall not intermingle BLM timber and other wood products with any other timber or wood products before log scaling and/or weighing occurs.
7. All logs on timber loads will be painted and branded at the landing and accounted for accordance with Section 44 of the contract. If contract area is within a State that maintains a log brand register, brands shall be registered with the State and Purchaser shall use assigned brand(s) exclusively on logs from this contract until the Authorized Officer releases the brand(s).
8. The Authorized Officer shall issue the Purchaser serially numbered load ticket books prior to any haul operations. The Purchaser shall sign a receipt for all ticket books

received. The Purchaser shall accurately complete all load receipts in accordance with the instructions on the front of the ticket books, or as directed by the Authorized Officer. Separate load ticket books will be used for timber and other wood products. Mule train timber loads will be treated as two separate loads with a ticket for each load. **All load tickets will be marked with the cutting area number using a permanent marker** or as directed by the Authorized Officer. The Purchaser shall deliver all loads to the log scaling or weighing location on the Scaling Authorization and listed on the BLM receipt. The load receipt and BLM receipt shall remain attached to the log load until it is scaled and/or weighed. For log scale loads, attach on the bunk or wing log at the front of the load on the driver's side, and surrender the load receipt and BLM receipt to the TPSO or Authorized Officer at the scaling location. For weight loads, either attach at the front of the load on the driver's side or place on the driver's side dashboard, attach the load receipt and BLM receipt to the weight receipt and deliver to the BLM weekly, unless otherwise directed by the Authorized Officer. The Purchaser will return all used load ticket books with woods receipts still attached to the BLM at the time new books are being issued. All unused and partial load ticket books, with receipts still attached, must be returned to the BLM upon completion of the contract and prior to final payment, or at the request of the Authorized Officer.

9. The Purchaser must account for all load receipts from each load ticket book. For all load receipts not accounted for, the Contracting Officer, at their sole discretion, will determine if the receipts are void or if the Purchaser shall pay damages for lost products. The value of lost products shall be equal to the highest value load for the month in which the receipt is lost. If no loads have been hauled in that month, value will be determined from the closest month in which loads were hauled. In the event a load receipt or load ticket book is lost or stolen, the Purchaser must immediately notify the Authorized Officer, and provide a complete explanation.
10. The Purchaser shall furnish BLM a map showing the route which shall be used to haul loads from the timber sale area to the log scaling/weighing location. Upon loading timber or other wood products in the contract area, all loads shall be hauled directly to the authorized scaling or weighing location as stated on the load receipt. The route of haul may be changed only with advance notice to and approval by BLM.
11. The Purchaser shall notify the Authorized Officer and receive advance authorization if any loads will arrive at an authorized scaling or weighing locations outside of their normal operating hours. No loads will be left on the truck for overnight storage without advance permission from the Authorized Officer.
12. If scaling or weighing services are unavailable, delayed or interrupted for any reason, hauling operations will cease immediately until services resume or an alternate scaling or weighing location is approved by the Authorized Officer.
13. Any removal of wood products from loaded trucks before being accounted for as required by the contract shall be considered a trespass and render the Purchaser liable for damages under applicable law in accordance with Section 13 of the contract. Any

payment made for purchase of such loads shall be deducted from amount due because of trespass.

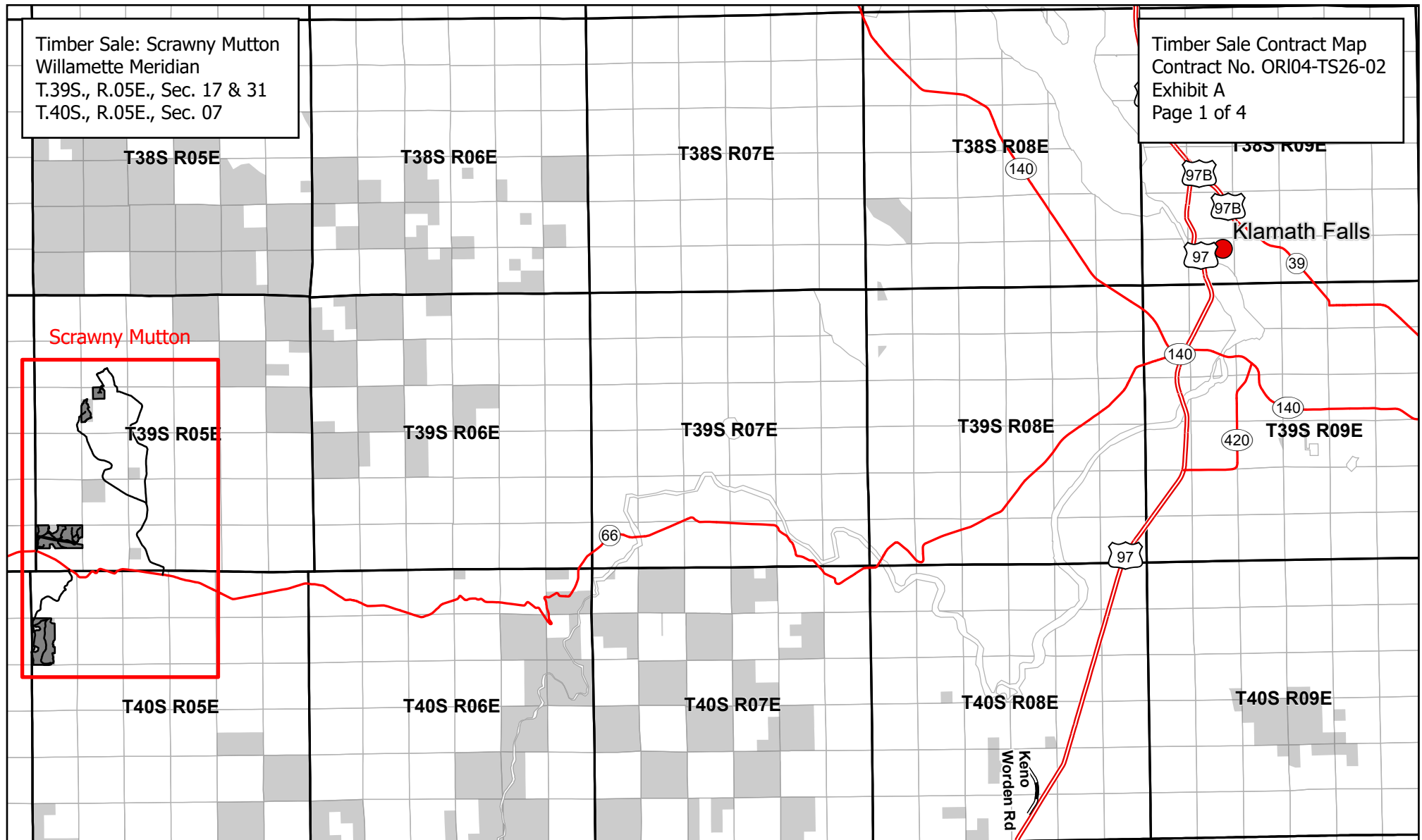
VII. Total Estimated Purchase Price – For administrative purposes, the following will be used for determining (1) when payments are due and (2) the value of timber or other wood products subject to any special bonding provisions in accordance with Section 3(f) of the contract.

1. When payments are made under Section 3 of the contract, the Authorized Officer shall determine the value of removed timber and other wood products using the Government's records of log scale and/or weight volumes removed from the contract area.
2. The estimated value of timber and other wood products not yet removed from the contract area will be determined by subtracting the Government's records for value of removed timber and other wood products from the estimated total purchase price as shown in the table below. The estimated Total Purchase price is calculated by multiplying the estimated volume or weight for all species/products, listed below, by the bid prices in Section 1.

Total Estimated Purchase Price for Timber and Other Wood Products

Species/Product	Estimated Volume (MBF or Tons)	Bid Price (\$/MBF or \$/Ton)	Estimated Value
Douglas Fir	1,943 MBF	\$219.20	\$425,905.60
Ponderosa Pine	1,921 MBF	\$31.10	\$59,743.10
White Fir	968 MBF	\$71.80	\$69,502.40
Incense-cedar	95 MBF	\$37.20	\$3,534.00
Lodgepole Pine	78 MBF	\$31.60	\$2,464.80
Total	5,005 MBF		

Total Estimated Purchase Price: \$561,149.90



- BLM Ownership
- Township and Range
- Sections
- KFFO County Roads
- Interstate Highway
- U.S. Highway
- State Highway
- Unknown Jurisdiction
- Cutting Units
- Timber Sale Haul Route
- CuttingUnits_ExportFeatures



1 inch equals 3 miles

0 2.25 4.5 Miles

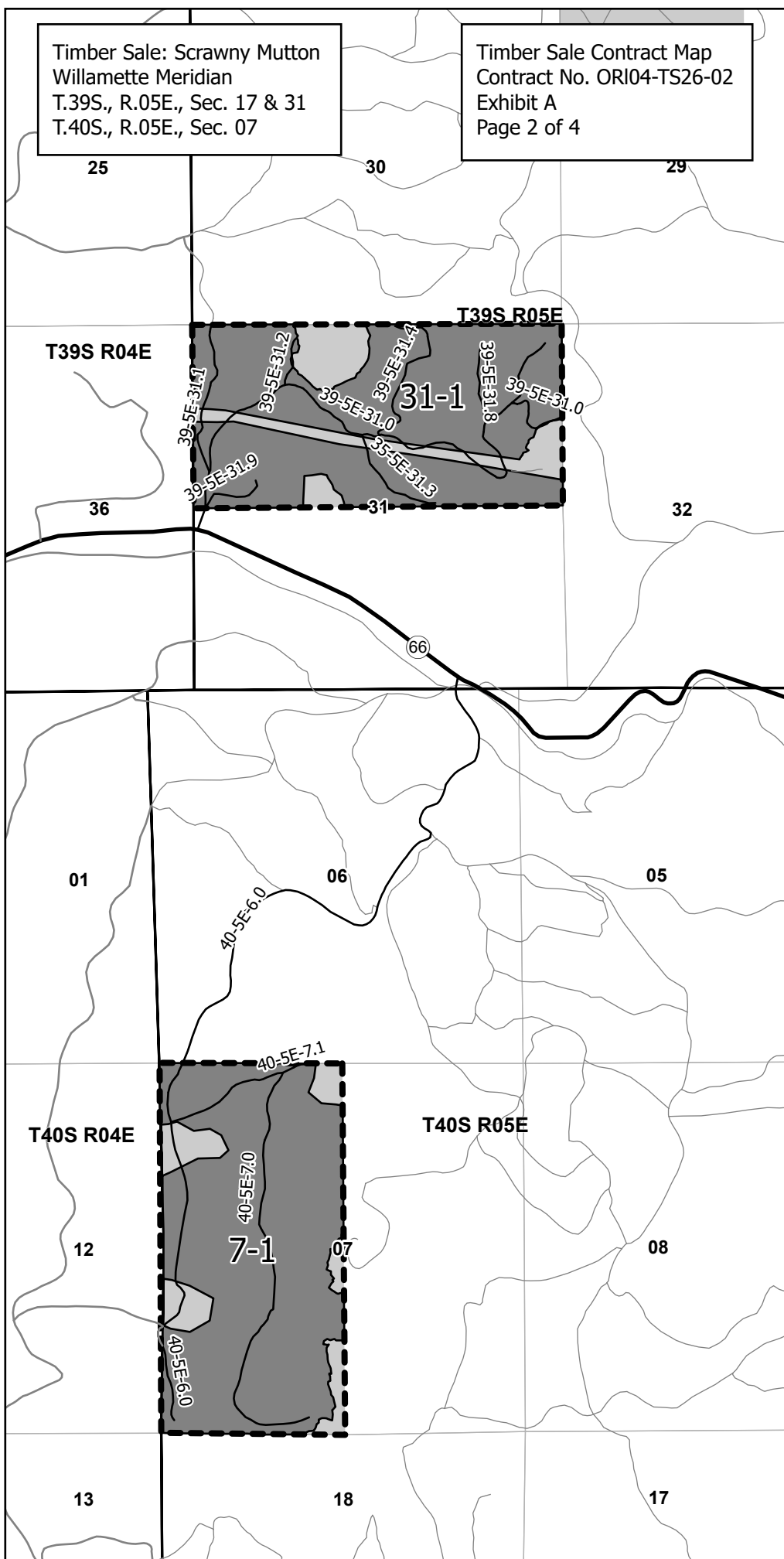


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

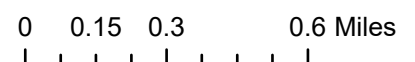
Timber Sale: Scrawny Mutton
Willamette Meridian
T.39S., R.05E., Sec. 17 & 31
T.40S., R.05E., Sec. 07

Timber Sale Contract Map
Contract No. ORI04-TS26-02
Exhibit A
Page 2 of 4

-  Contract Area Boundary
-  Cutting Units
-  Timber Sale Haul Route
-  Temporary Road Construction
-  State Highway
-  Township and Range
-  Sections
-  BLM Ownership



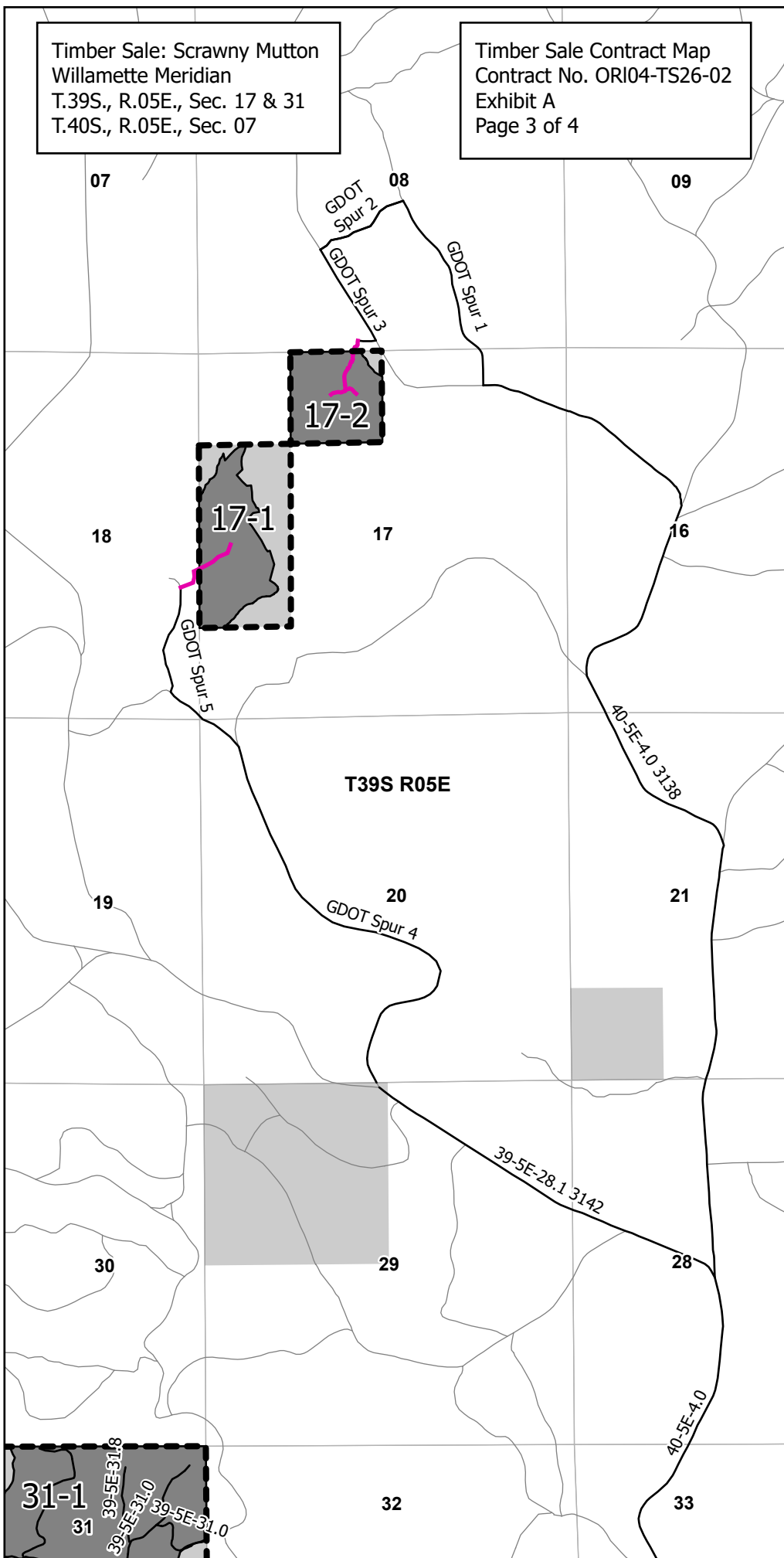
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Timber Sale: Scrawny Mutton
Willamette Meridian
T.39S., R.05E., Sec. 17 & 31
T.40S., R.05E., Sec. 07

Timber Sale Contract Map
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Page 3 of 4

-  ContractAreaBoundary
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0 0.15 0.3 0.6 Miles

USDI-BLM Klamath Falls Field Office
Sale Name: Scrawny Mutton

Timber Sale Contract Map
Contract No. ORL04-TS26-02
Exhibit A – Contract Acres
Page 4 of 4

Willamette Meridian: T.39S., R.05E.,

Sec. 17, NE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$

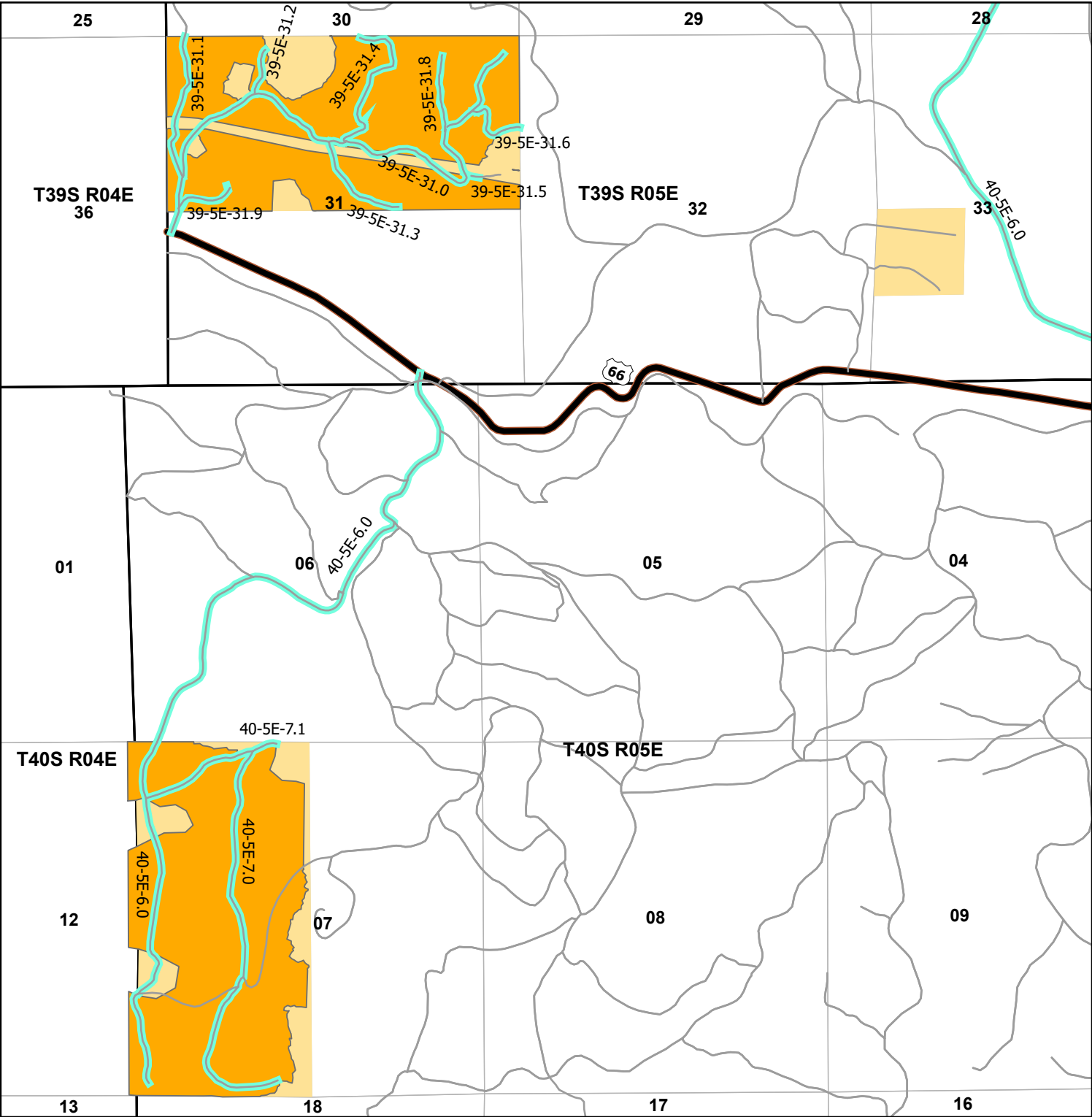
Sec. 31, N $\frac{1}{2}$

Willamette Meridian: T.40S., R.05E.,

Sec. 7, W $\frac{1}{2}$

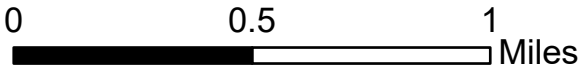
Cutting Unit	Acres	Harvest Method
7-1	291	Density Management
17-1	44	Density Management
17-2	39	Density Management
31-1	274	Density Management

Total Cutting Area 648 acres
Total Reserve Area 91 acres
Total Contract Area 739 acres

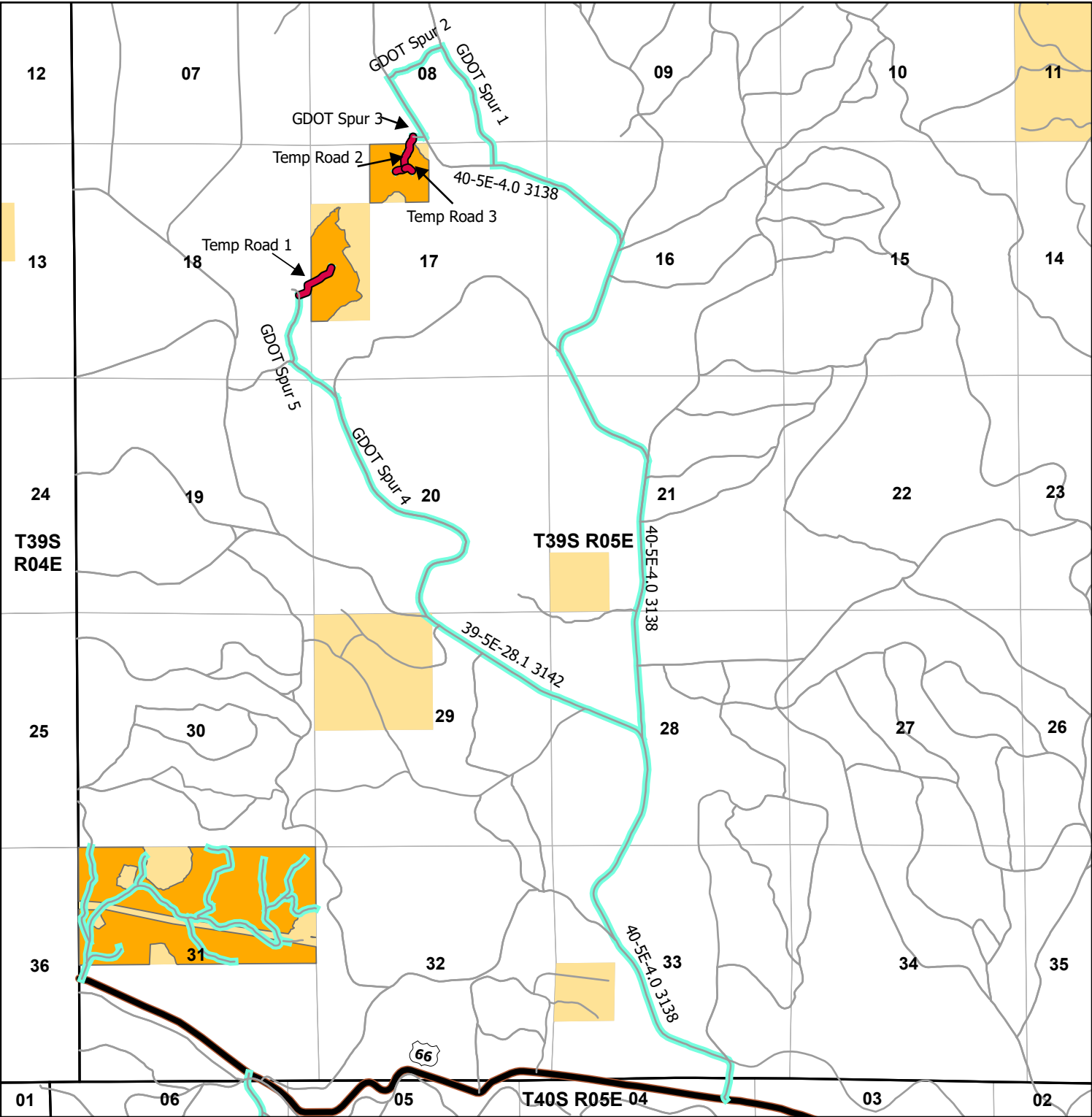


Legend

- Temporary Road Construction
- Haul Route
- Harvest Units



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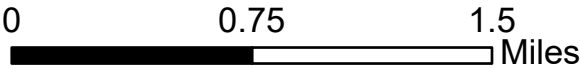


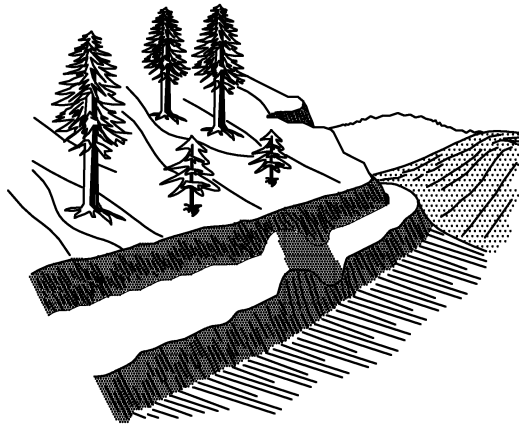
Legend

- Temporary Road Construction
- Haul Route
- Harvest Units

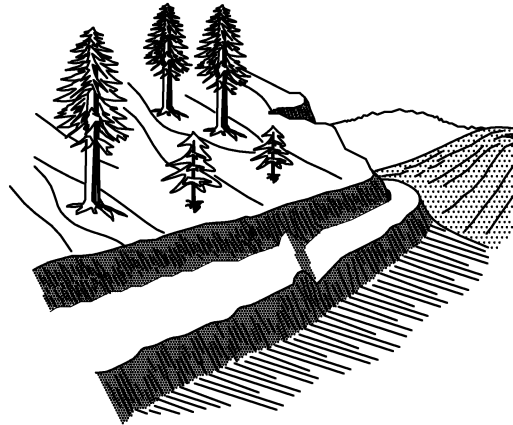


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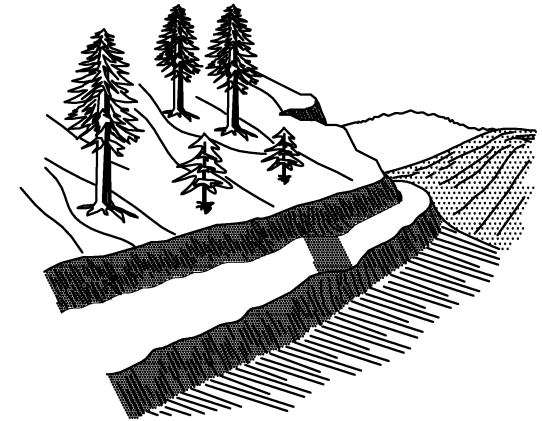




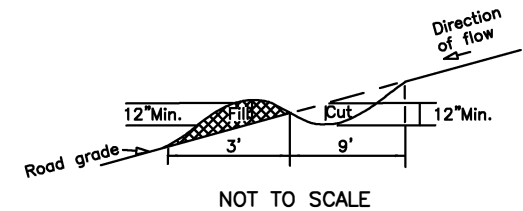
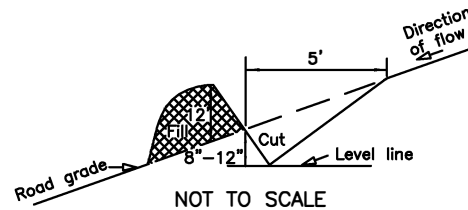
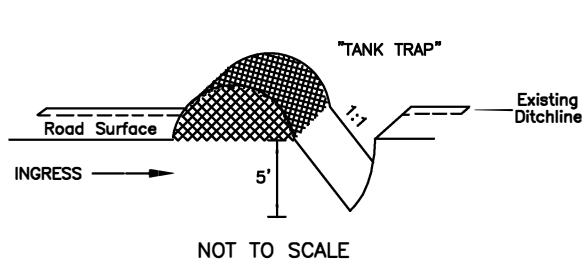
BARRIERS



WATER BAR



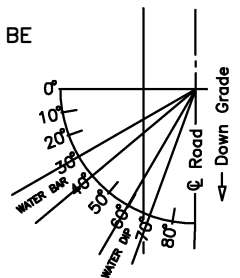
WATER DIP



NOTES

1. ALL BARRIERS, WATER BARS, AND WATER DIPS AS REQUIRED SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATIONS WILL BE DIRECTED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER BARS SHALL BE SKEWED 30°-40°.
4. ALL WATER DIPS SHALL BE SKEWED 60°-70°.
5. ALL WATER BARS AND WATER DIPS SHALL BE CUT INTO THE ROADBED FROM THE DITCHLINE.
6. DITCHLINES SHALL BE BLOCKED WITH EXCAVATED MATERIAL (DITCHDAM) DOWNGRADE FROM ALL WATER BARS AND WATER DIPS.
7. EXCAVATED MATERIAL FROM BARRIER TRENCH (TANK TRAP) SHALL BE PLACED ON THE SIDE NEAREST THE BEGINNING OF THE ROAD.
8. OUTLETS OF WATER DIPS MUST BE ROCKED ON FILL SLOPE.
9. RIPRAP BARRIERS SHALL BE AT LEAST 4' HIGH, 4' DEEP, AND OF SUFFICIENT WIDTH TO COMPLETELY BLOCK THE ROADWAY AND ANY ADJACENT SHOULDERS THAT CAN BE TRAVELED WITH A VEHICLE.
10. ALL BERMS INCLUDING WATER BARS, WATER DIPS, AND EARTHEN BARRIERS SHALL BE COMPACTED TO 85% OF MAXIMUM DENSITY.

SKEW DIAGRAM



WATER DIP/BAR SPACING

ROAD GRADE	MAXIMUM SPACING
%	FEET
0-4	500
5-6	400
7-9	300
10-14	100
15-20	50

ON GRADES IN EXCESS OF 14%
CONSTRUCT WATER BARS.



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

**BARRIER AND EROSION
CONTROL DETAIL**

DESIGNED JCJ

REVIEWED

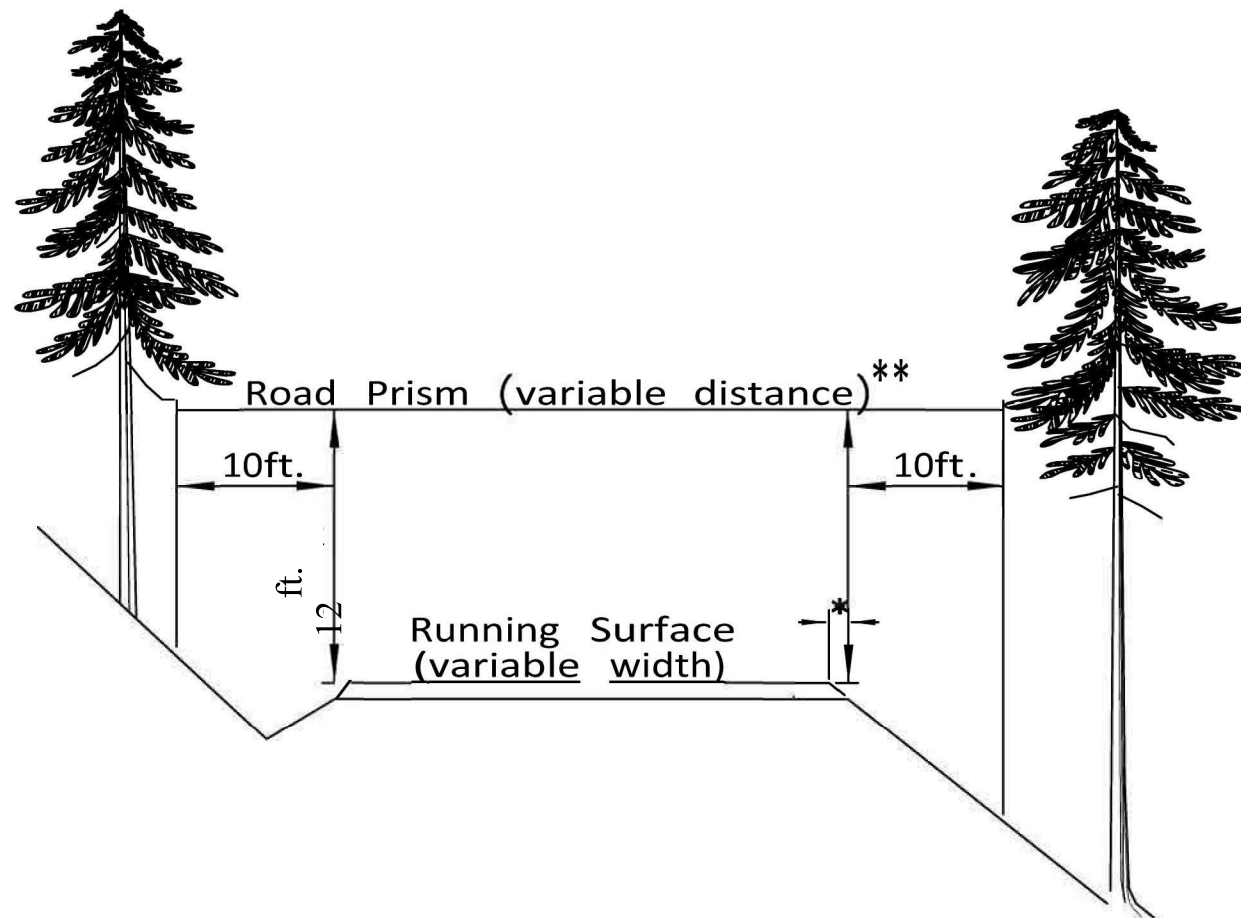
APPROVED

DRAWN JCJ

DATE July 2025

SCALE: None

STANDARD DRAWING



* Variable distance between running surface and start of fill slope.

** All areas within the variable distance shall be free of all vegetation capable of growing one (1) foot in height or higher, and free of all overhanging limbs and branches 12 feet in elevation above the running surface.

U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT LAKEVIEW DISTRICT OREGON	
ROADSIDE BRUSHING DETAIL	
DESIGNED <u>Browning</u>	
REV IEWED _____	
APPRO VED _____	
DRAWN LRB	SCALE NONE
DATE <u>5 / 19</u>	SHEET
DRAWING NO.	

40-5E-6.0 Parker Mountain Road

0+00 Road surface is Cinder. Intersection with Highway 66.
Begin spot grading, ditching, and watering. Begin brushing.
98+11 Intersection with 40-5E-7.0
145+22 End spot grading, ditching, watering, and brushing. End.

40-5E-7.0

0+00 Road surface is Cinder. Intersection with 40-5E-6.0.
Begin spot grading, ditching, and watering. Begin brushing.
17+17 Intersection with 40-5E-7.1
81+25 End spot grading, ditching, watering, and brushing. End.

40-5E-7.1

0+00 Road surface is Cinder. Intersection with 40-5E-7.0.
Begin spot grading, ditching, and watering. Begin brushing.
2+30 End spot grading, ditching, watering, and brushing. End.

39-5E-31.0

0+00 Road surface is hard rock. Intersection with Highway 66.
Begin spot grading, ditching, and watering. Begin brushing.
2+95 Intersection with 39-5E-31.9
7+85 Intersection with 39-5E-31.1
25+03 Intersection with 39-5E-31.2
39+23 Intersection with 39-5E-31.3
41+42 Intersection with 39-5E-31.4
71+76 Intersection with 39-5E-31.8
76+65 Intersection with 39-5E-31.6. Cinder Starts/hard rock ends. Remove Barricade.
Start grubbing/removing brush from the road surface.
89+29 End spot grading, ditching, watering, brushing, and grubbing. End.

39-5E-31.1

0+00 Road surface is natural. Intersection with 39-5E-31.0.
Begin spot grading, ditching, and watering. Begin brushing.
22+76 End spot grading, ditching, watering, and brushing. End.

39-5E-31.2

0+00 Road surface is natural. Intersection with 39-5E-31.0.
Begin grading, ditching, watering, brushing and grubbing/removing brush from the road surface. Remove barricade.
7+28 End grading, ditching, watering, brushing and grubbing/removing brush from the road surface. End.

39-5E-31.3

0+00 Road surface is Cinder. Intersection with 39-5E-31.0.
Begin spot grading, ditching, and watering. Begin brushing.
16+04 End spot grading, ditching, watering, and brushing. End.

39-5E-31.4

0+00 Road surface is natural. Intersection with 39-5E-31.0.
Begin spot grading, ditching, and watering. Begin brushing.
25+08 End spot grading, ditching, watering, and brushing. End.

39-5E-31.6

0+00 Road surface is Cinder. Intersection with 39-5E-31.0.
Begin spot grading, ditching, and watering. Begin brushing.
10+63 End spot grading, ditching, watering, and brushing. End.

39-5E-31.8

0+00 Road surface is Cinder. Intersection with 39-5E-31.0.
Begin spot grading, ditching, and watering. Begin brushing.
11+04 End spot grading, ditching, watering, and brushing. End.

39-5E-31.9

0+00 Road surface is Cinder. Intersection with 39-5E-31.0.
Begin spot grading, ditching, and watering. Begin brushing.
10+19 End spot grading, ditching, watering, and brushing. End.

40-5E-4.0

3138

0+00 Road surface is Cinder. Intersection with Highway 66.
Begin spot grading, ditching, and watering. Begin brushing.
10+037 Intersection with 39-5E-28.1.
261+40 End spot grading, ditching, watering, and brushing. Intersection with GDOT Spur #1.
End.
278+65 Begin spot grading, ditching, and watering. Begin brushing.
294+11 End spot grading, ditching, watering, and brushing. Intersection with GDOT Spur #3.
End.

GDOT Spur #1

0+00 Road surface is Natural. Intersection with 40-5E-4.0 3138.
Begin spot grading, ditching, and watering. Begin brushing.
30+36 End spot grading, ditching, watering, and brushing. Intersection with GDOT Spur #2.
End.

GDOT Spur #2

0+00 Road surface is Natural. Intersection with GDOT Spur #1.
Begin spot grading, ditching, and watering. Begin brushing.
14+50 End spot grading, ditching, watering, and brushing. Intersection with 40-5E-4.0 3138.
End.

GDOT Spur #3

0+00 Road surface is Natural. Intersection with 40-5E-4.0 3138.
Begin spot grading, ditching, and watering. Begin brushing.
2+65 End spot grading, ditching, watering, and brushing. Intersection with Temp Road #2.
End.

Temp Road #2

0+00 Intersection with GDOT Spur #3.
Begin clearing and grubbing, grading, ditching, watering, and brushing for 14 ft. road width.
8+03 Intersection with Temp Road #3.
10+29 End clearing and grubbing, grading, ditching, watering, and brushing for 14 ft. road width. End Construction.

Temp Road #3

0+00 Intersection with Temp Road #2.
Begin clearing and grubbing, grading, ditching, watering, and brushing for 14 ft. road width.
1+93 End clearing and grubbing, grading, ditching, watering, and brushing for 14 ft. road width. End Construction.

39-5E-28.1 3142

0+00 Road surface is Cinder. Intersection with 40-5E-4.0.
Begin spot grading, ditching, and watering. Begin brushing.
56+51 End spot grading, ditching, watering, and brushing. Intersection with GDOT Spur #4.
End.

GDOT Spur #4

0+00 Road surface is Natural. Intersection with 39-5E-28.1.
Begin spot grading, ditching, and watering. Begin brushing.
69+73 End spot grading, ditching, watering, and brushing. Intersection with GDOT Spur #5.
End.

GDOT Spur #5

0+00 Road surface is Natural. Intersection with GDOT Spur #4.
Begin spot grading, ditching, and watering. Begin brushing.
28+77 End spot grading, ditching, watering, and brushing. Intersection with Temp Road #1.
End.

Temp Road #1

0+00 Intersection with GDOT Spur #5.
Begin clearing and grubbing, grading, ditching, watering, and brushing for 14 ft. road width.
3+42 Remove Barricade
8+56 End clearing and grubbing, grading, ditching, watering, and brushing for 14 ft. road width. End Construction.

TIMBER SALE ROAD SPECIFICATIONS

TABLE OF CONTENTS

SECTION	DESCRIPTION
100	General
200	Clearing and Grubbing
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600	Watering
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2100	Roadside Brushing

TIMBER SALE ROAD SPECIFICATIONS

GENERAL – 100

101 - Prewrite Conference(s):

A prework conference will be held prior to the start of operations. The Purchaser shall request the conference at least 48 hours prior to the time it is to be held. The conference will be attended by the Purchaser and/or his representative(s), subcontractor(s) and/or his or their representative(s) and the Authorized Officer and/or his representative(s).

The purpose of the prework conference will be to review the required work, exhibits and specifications, and to establish a work schedule and a list of the Purchaser's representatives (and subcontractor(s)).

102 - Definitions:

AASHTO - American Association of State Highway and Transportation Officials.
Current editions of tests and specifications.

Abrasion Resistance - The ability of a fabric surface to resist wear by friction.

ACI - American Concrete Institute

Apparent Opening Size (AOS) - Number of the U.S. Bureau of Standard sieve (or its opening size in millimeters or inches) having openings closest in size to the diameter of uniform particles which will allow 5 percent by weight to pass through the geotextile material when shaken in a prescribed manner. This is also referred to as Equivalent Opening Size (EOS).

ASTM - American Society for Testing and Materials.

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

BLM - Bureau of Land Management

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

TIMBER SALE ROAD SPECIFICATIONS

Burst Strength - The resistance of a geotextile material to rupture from pressure applied at right angles to the plane of the geotextile material under specified conditions, usually expressed as the amount of pressure causing failure. Rupture or burst results from tensile failure of the geotextile material.

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

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

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

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

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

Grab Tensile Strength - A modified tensile strength of a geotextile material. The strength of a specific width of geotextile material together with the additional strength contributed by adjacent areas. Typically, grab strength is determined on a 12-inch-wide strip of geotextile material, with the tensile load applied at the midpoint of the geotextile material width through 1-inch-wide jaw faces.

Grading - Leveling to grade, shaping and smoothing of a road subgrade; the shaping of roadside ditches as to grade and contour. In some instances includes smoothing of the cut bank.

Nonwoven Geotextile Material - A textile structure produced by bonding or interlocking of fibers, or both, accomplished by mechanical or chemical means.

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

TIMBER SALE ROAD SPECIFICATIONS

Penetration Resistance - The geotextile material property determined by the force required to penetrate a geotextile material with a sharp pointed object. Initial penetration is by separating the fibers. Further penetration is essentially a tearing process.

Percent Open Area - The net area of a geotextile material that is not occupied by geotextile material filaments, normally determinable only for woven and nonwoven geotextile material having distinct, visible, and measurable openings that continue directly through the geotextile material.

Permeability - The geotextile material property which permits water to be transmitted in the longitudinal or transverse planes of the geotextile material.

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

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

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

Pore Size - The size of an opening between geotextile material filaments; apparent opening size (AOS) is used to quantify this geotextile material property.

Puncture Resistance - The geotextile material property determined by the force required to penetrate a geotextile material with a blunt object. Failure results in a tearing of the geotextile material.

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

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

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

Roadbed - The graded portion of the road within top and side slopes, prepared as a

TIMBER SALE ROAD SPECIFICATIONS

foundation for the pavement structure and shoulders.

Road Centerline - The longitudinal center of a roadbed.

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

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

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

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

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

Separation - Function of geotextile material as a partition between adjacent materials to prevent mixing of those materials.

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

Slope ratio notation (horizontal:vertical) – Slope ratios for constructed cut and fill slopes are expressed as a ratio of horizontal units to vertical units.

Spalls - Flakes or chips of stone.

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

Specific Gravity - The ratio of the density of a material to the density of water obtained by weighing known volumes of both items in air. A specific gravity less than one implies that the material will float.

TIMBER SALE ROAD SPECIFICATIONS

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

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

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

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

Tensile Strength - The strength shown by a geotextile material subjected to tension as distinct from torsion, compression, or shear.

Tensile Stress - Strain Modulus - A measure of the resistance to elongation under stress. The ratio of the change in tensile stress to the corresponding change in strain.

Tensile Test - A test which subjects geotextile material to tensile forces and measures resultant stresses and strains.

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

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

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

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

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

Unaged Cloth - Cloth in condition received from the manufacturer or distributor.

TIMBER SALE ROAD SPECIFICATIONS

Woven Geotextile Material - A textile structure comprising two or more sets of filaments of yarns interlaced in such a way that the elements pass each other at essentially right angles with one set of elements parallel to the geotextile material axis.

Clearing and Grubbing - 200

- 201 - This work shall consist of clearing, grubbing, removing and disposing of vegetation, debris, surface objects, and protruding obstructions within the clearing limits in accordance with these specifications and conforming to the lines, grades, dimensions and typical cross sections shown on the plans and as staked on the ground.
- 202 - Where clearing limits have not been staked, established by these specifications or shown on the plans, the limits shall extend (10) feet back of the top of the cut slope and (5) feet out from the toe of the fill slope.
- 203 - Clearing shall consist of the removal and disposal of trees, logs, rotten material, brush, and other vegetative materials and surface objects in accordance with these specifications and within the limits established for clearing as specified under Subsection 202 and as shown on the plans and as staked on the ground.
- 203a - Brush under (2) feet in height need not be cut within the limits established for clearing.
- 203b - Standing trees and snags to be cleared shall be felled within the limits established for clearing unless otherwise authorize.
- 203c - Disposal of logs from private timber cleared within the limits established as staked on the ground shall consist of decking at a location designated by the Authorized Officer.
- 204 - Grubbing shall consist of the removal and disposal of stumps, roots, and other wood material embedded in the ground and protruding obstacles remaining as a result of the clearing operation between the top of the cut slope and the toe of the fill slope.
- 205 - Clearing and grubbing debris shall not be placed or permitted to remain in or

TIMBER SALE ROAD SPECIFICATIONS

under road embankment sections. Such debris will, however, be permitted to remain under waste material from full-bench construction on steep side slopes.

- 206 - Clearing and grubbing debris shall be disposed of by piling in accordance with Subsection 211 and as shown on the plans or as designated by the Authorized Officer.
- 206a - Notwithstanding Subsections 204 and 205, clearing and grubbing debris resulting from landing construction shall be placed at disposal sites and shall not be covered with excavated material. Location of disposal sites will be determined by the Authorized Officer.
- 211 - Disposal of clearing and grubbing debris, stumps and cull logs shall be by piling on government lands outside of established clearing limits in an area and in a manner acceptable to the Authorized Officer.
- 213 - No clearing or grubbing debris shall be left lodged against standing trees.

EXCAVATION AND EMBANKMENT - 300

- 301 - This work shall consist of excavating, overhaul, placement of embankments, backfilling, borrowing, leveling, ditching, grading, in sloping, out sloping, crowning and scarification of the subgrade, compaction, disposal of excess and unsuitable materials, and other earth-moving work in accordance with these specifications and conforming to the lines, grades, dimensions, Standard Drawing and typical cross sections shown on the plans.
- 303 - Suitable material removed from the excavation shall be used in the formation of embankment subgrade, shoulders, slopes, bedding, backfill for structures, and for other purposes as shown on the plans.
- 304 - Borrow shall consist of suitable material required for the construction of embankments or for other portions of the work; such material shall be obtained from sources shown on the plans or selected by the Purchaser at his option and approved by the Authorized Officer.
- 305 - Embankment construction shall consist of the placement of excavated and borrowed materials, backfilling, leveling, grading, compaction, and other earth-

TIMBER SALE ROAD SPECIFICATIONS

moving work necessary for the construction of the roadway and landings in accordance with these specifications and conforming to the lines, grades, dimensions, Standard Plans and typical cross sections shown on the plans and as marked on the ground with stakes or metal tags.

- 305a - Material used in the construction of embankment sections shall be free of stumps, cull logs, brush, muck, sod, roots, frozen material, and other deleterious materials and shall be placed and compacted as specified.
- 309 - The top of cut slopes shall be rounded by blending into the adjacent terrain for a distance not less than (1) foot and not more than (3) feet beyond the top of the cut. Rounding shall be performed in soils that can be shaped without ripping or blasting.
- 324 - Excavated material shall not be allowed to cover boles of standing trees to a depth in excess of (2) feet on the uphill side.
- 327 - The finished grading shall be approved in writing by the Authorized Officer. The Purchaser shall give the Authorized Officer (3) days' notice prior to start of surfacing operations.

RENOVATION OF EXISTING ROADS - 500

- 501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, minor excavation and/or embankment, and cleaning and shaping drainage ditches, in accordance with these specifications as shown on the plans and as marked on the ground with stakes.

TIMBER SALE ROAD SPECIFICATIONS

- 502 - The existing road surface shall be bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans at the following location(s):

Road No.	From Station	To Station
40-5E-6.0	0	145+22
40-5E-7.0	0	81+25
40-5E-7.1	0	2+30
39-5E-31.0	0	89+29
39-5E-31.1	0	22+76
39-5E-31.2	0	7+28
39-5E-31.3	0	16+04
39-5E-31.4	0	25+08
39-5E-31.6	0	10+63
39-5E-31.8	0	11+04
39-5E-31.9	0	10+19
40-5E-4.0 3138	0	261+40
40-5E-4.0 3138	278+65	294+11
GDOT Spur #1	0	30+36
GDOT Spur #2	0	14+50
GDOT Spur #3	0	2+65
Temp Road #2	0	10+29
Temp Road #3	0	1+93
39-5E-28.1 3142	0	56+51
GDOT Spur #4	0	69+73
GDOT Spur #5	0	28+77
Temp Road #1	0	8+56

- 502a - Rocks larger than 4 inches in maximum dimension shall be removed from the scarified layers of the roadbed. Material so removed will not be permitted to remain on road shoulders or in ditches.

TIMBER SALE ROAD SPECIFICATIONS

- 502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.
- 504 - Existing road surfaces shall be uniformly watered to the optimum moisture content suitable for grading in accordance with the following table:

Road No.	From Station	To Station
40-5E-6.0	0	145+22
40-5E-7.0	0	81+25
40-5E-7.1	0	2+30
39-5E-31.0	0	89+29
39-5E-31.1	0	22+76
39-5E-31.2	0	7+28
39-5E-31.3	0	16+04
39-5E-31.4	0	25+08
39-5E-31.6	0	10+63
39-5E-31.8	0	11+04
39-5E-31.9	0	10+19
40-5E-4.0 3138	0	261+40
40-5E-4.0 3138	278+65	294+11
GDOT Spur #1	0	30+36
GDOT Spur #2	0	14+50
GDOT Spur #3	0	2+65
Temp Road #2	0	10+29
Temp Road #3	0	1+93
39-5E-28.1 3142	0	56+51
GDOT Spur #4	0	69+73
GDOT Spur #5	0	28+77
Temp Road #2	0	8+56

TIMBER SALE ROAD SPECIFICATIONS

- 508 - Vegetation encroaching on the roadbed and the drainage ditches of existing roads at the following locations shall be removed by cutting and disposed of in accordance with Subsection 2100 of these specifications:

Road No.	From Station	To Station
40-5E-6.0	0	145+22
40-5E-7.0	0	81+25
40-5E-7.1	0	2+30
39-5E-31.0	0	89+29
39-5E-31.1	0	22+76
39-5E-31.2	0	7+28
39-5E-31.3	0	16+04
39-5E-31.4	0	25+08
39-5E-31.6	0	10+63
39-5E-31.8	0	11+04
39-5E-31.9	0	10+19
40-5E-4.0 3138	0	261+40
40-5E-4.0 3138	278+65	294+11
GDOT Spur #1	0	30+36
GDOT Spur #2	0	14+50
GDOT Spur #3	0	2+65
Temp Road #2	0	10+29
Temp Road #3	0	1+93
39-5E-28.1 3142	0	56+51
GDOT Spur #4	0	69+73
GDOT Spur #5	0	28+77
Temp Road #2	0	8+56

TIMBER SALE ROAD SPECIFICATIONS

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

WATERING - 600

- 601 - This work shall consist of furnishing and applying water required for the finishing and reconditioning of existing roadbeds, laying dust, or for other uses in accordance with these specifications.
- 602 - Water, when needed for compaction or laying dust, shall be applied at the locations, in the amounts, and during the hours as directed by the Authorized Officer. Amounts of water to be provided will be the minimum needed to properly execute the compaction requirements in conformance with these specifications, and for laying dust during work periods.
- 603 - Water trucks used in this work shall be equipped with a distributing device of ample capacity and of such design as to ensure uniform application of water on the road bed.
- 604 - Water required under these specifications shall be obtained at the location below or another approved location:

Camp 4 as identified in the Green Diamond Oregon Timber License Agreement. If additional water sources are needed any necessary water permits and water fees for use shall be paid by the purchaser and approved by the Authorized Officer.

Use of water sources are subject to applicable State water regulations and water availability. In the event that the required water is not available at the location specified, water shall be obtained from a source approved by the Authorized Officer.

TIMBER SALE ROAD SPECIFICATIONS

AGGREGATE SURFACE COURSE - 1200 **CRUSHED ROCK MATERIAL**

- 1201 - This work shall consist of furnishing, hauling, and placing one or more layers of crushed rock material on roadbeds approved for placing crushed rock material in accordance with these specifications and conforming to the dimensions and typical cross sections shown on the plans. Material not conforming to these specifications will be rejected, and shall be removed from the road at the purchaser's expense.
- 1202a - Crushed rock materials used in this work may be obtained from commercial sources selected by the Purchaser at his option and expense, providing the rock materials furnished comply with the specifications.
- 1203 - When crushed rock material is produced from gravel, not less than 65 percent by weight of the particles retained on the No. 4 sieve will have 2 manufactured fractured faces. If necessary to meet the above requirements or to eliminate an excess of filler, the gravel shall be screened before crushing.
- 1204 - Crushed rock material shall consist of hard durable rock fragments conforming to the following gradation requirements:

TABLE 1204

AGGREGATE SURFACE COURSE **CRUSHED ROCK MATERIAL**

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

TIMBER SALE ROAD SPECIFICATIONS

GRADATION

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

- 1205 - Crushed rock material shall not exceed 35 percent loss as determined by AASHTO T 96.
- 1206 - Crushed rock material shall show a durability value of not less than 35 as determined by AASHTO T210.
- 1206a - The crushed rock material shall show a loss of not more than 20 percent by weight, when submerged in DMSO, dimethyl sulfoxide, for five days, according to Federal Highway Administration Region 10 Accelerated Weathering Test Procedure.
- 1207 - That portion of crushed rock material passing the No. 40 sieve, including blending filler, shall have a liquid limit of not more than 35 and a plasticity index of not less than 4 and not more than 12 as determined by AASHTO T 89 and AASHTO T 90.
- 1207a - That portion of crushed rock material passing No. 4 sieve, including blending filler, shall have a sand equivalent of not less than 35, as determined by AASHTO T 176, except where that portion exhibits a sand equivalence of less than 35, the aggregate will be accepted if it complies with the additional requirement as follows:

TIMBER SALE ROAD SPECIFICATIONS

TABLE 1207a

Sand Equivalent	Percent Passing #200 Sieve AASHTO T 27
34	9
33	8
32	7
31	6
30	5
29 or less	4

- 1208 - If additional binder or filler material is necessary to meet the grading or plasticity requirements or for satisfactory bonding of the material, it shall be uniformly blended with the crushed rock material at the crushing and screening plant prior to placing on the road, unless otherwise agreed. The material for such purposes shall be obtained from sources approved by the Authorized Officer and shall be free from stones, vegetative matter, and other deleterious materials.
- 1208a - Each layer of crushed rock material shall be thoroughly mixed on the roadbed by alternately blading, to full depth, until a uniform mixture has been obtained. The mixture shall then be spread to full width. When completed, the spreading shall produce a surface which is smooth, presents uniform shoulder lines, and conforms to the specified cross section.
- 1209 - Shaping and compacting of roadbed base course shall be completed and approved in writing, prior to placing crushed rock material, in accordance to the requirements of Subsection 500 for placing on the roadbed. Notification for final inspection prior to rocking shall be 72 hours prior to the inspection and shall be 10 days prior to start of surfacing operations.
- 1210 - Crushed rock material conforming to the requirements of these specifications shall be placed on the approved roadbed in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Compacted layers shall not exceed 4 inches in depth. When more

TIMBER SALE ROAD SPECIFICATIONS

than one layer is required, each shall be shaped, processed, compacted, and approved in writing by the Authorized Officer before the succeeding layer is placed. Irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and then adding or removing crushed rock material until the surface is smooth and uniform.

- 1210a - Crushed rock material used to repair or reinforce soft, muddy, frozen, yielding, or rutted roadbed shall not be construed as surfacing required by this specification.
- 1212 - Each layer of crushed rock material placed, processed, and shaped as specified shall be moistened or dried to a uniform moisture content suitable for maximum compaction and compacted to full width by compacting equipment conforming to the requirements of Subsection 103 - i. Minimum compaction shall be 1 hour of continuous compacting for each 150 cubic yards of crushed rock material placed per layer, or fraction thereof.

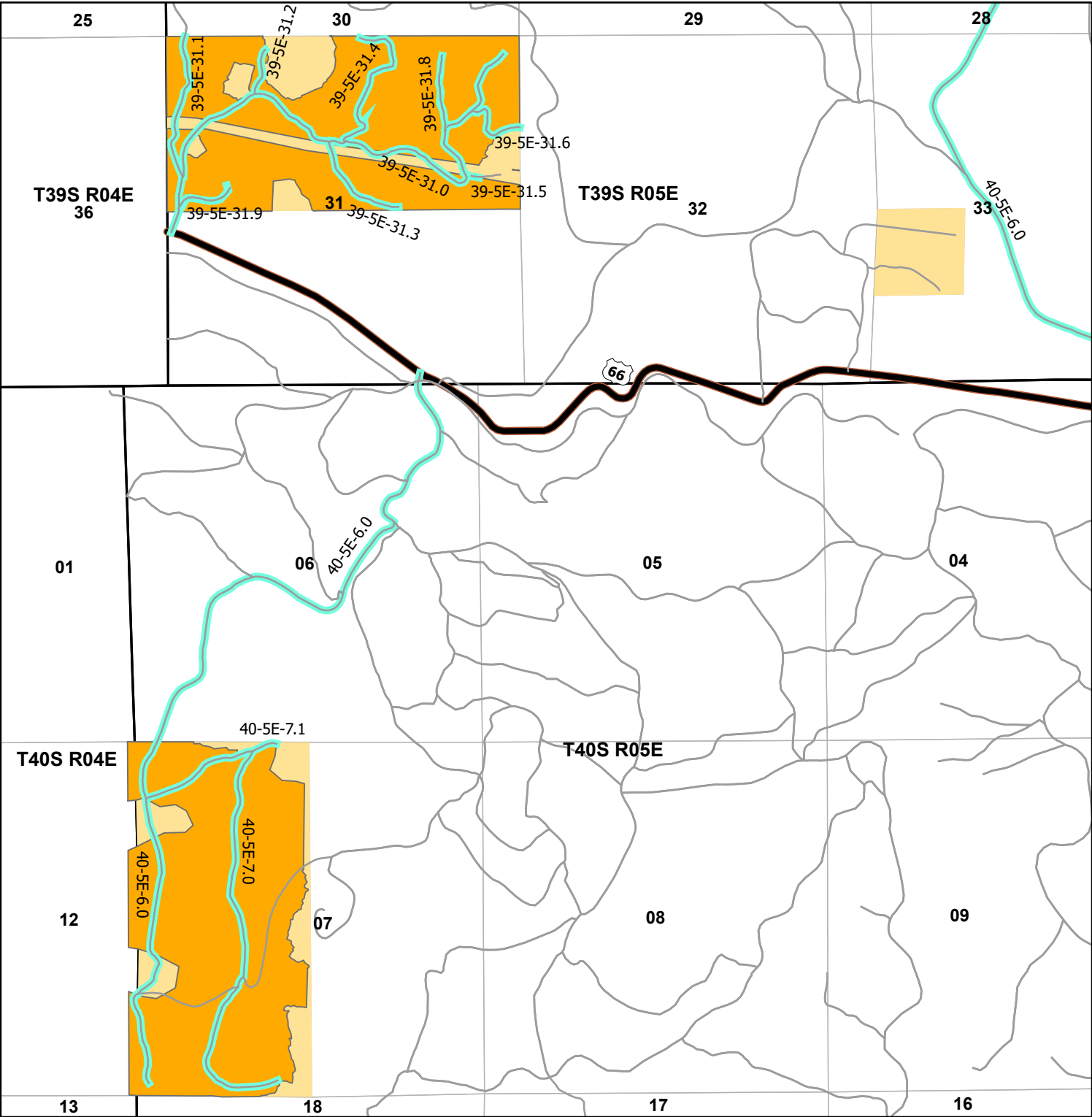
ROADSIDE BRUSHING - 2100

- 2101 - This work shall consist of the removal of vegetation from the road prism - variable distance, and inside curves in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the Roadside Brushing Detail Sheet of this exhibit, at designated locations as detailed in the exhibit C road narratives.
- 2102 - Roadside brushing may be performed mechanically with self powered, self-propelled equipment and/or manually with hand tools, including chain saws.
- 2103 - Vegetation cut manually or mechanically less than 6 inches in diameter D.B.H. shall be cut to a maximum height of 2 inches above the ground surface or above obstructions such as rocks or stumps on cut and fill slopes and all limbs will be severed from the trunk.
- 2103a - Vegetation shall be cut and removed from the road bed between the outside shoulders and the ditch centerline and such vegetation shall be cut to a maximum height of 1 inch above the ground and running surface. All limbs will be severed from the trunk. Sharp pointed ends will not be permitted. Cuts shall be parallel to

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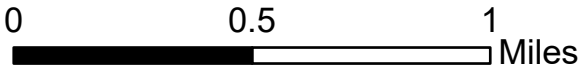
the ground line or running surface.

- 2104 - Trees in excess of 6 inches in diameter at D.B.H. shall be limbed, so that no limbs extend into the treated area or over the roadbed to a height of 12 feet above the subgrade of the roadway on cut and fill slopes, within the road prism-variable distance. Limbs shall be cut to within 1 inch of the trunk to produce a smooth vertical face. Removal of trees larger than 6 inches in diameter for sight distance or safety may be directed by the Authorized Officer.
- 2105 - Vegetation that is outside of the road prism-variable distance that protrudes into the road prism and within 12 feet in elevation above the subgrade) shall be cut, to within 1 inch of the trunk to produce a smooth vertical face.
- 2106 - Vegetative growth capable of growing 1 foot in height or higher shall be cut, within the road prism-variable distance or as directed by the Authorized Officer.
- 2108 - Self propelled equipment shall not be permitted on cut and fill slopes or in ditches.
- 2109 - Debris resulting from this operation shall be scattered downslope from the roadway. Debris shall not be allowed to accumulate in concentrations. Debris in excess of 1 foot in length and 2 inches in diameter shall not be allowed to remain on cut slopes, ditches, roadways or water courses, or as directed by the Authorized Officer.
- 2113 - Roadside brushing shall be accomplished as specified on SHEET 4.
- 2115 - Mechanical brush cutters shall not be operated when there are people and occupied vehicles within 400 feet of the immediate operating area.
- 2116 - Traffic warning signs shall be required at each end of the work area. Signs shall meet the requirements of the Manual on Uniform Traffic Devices.

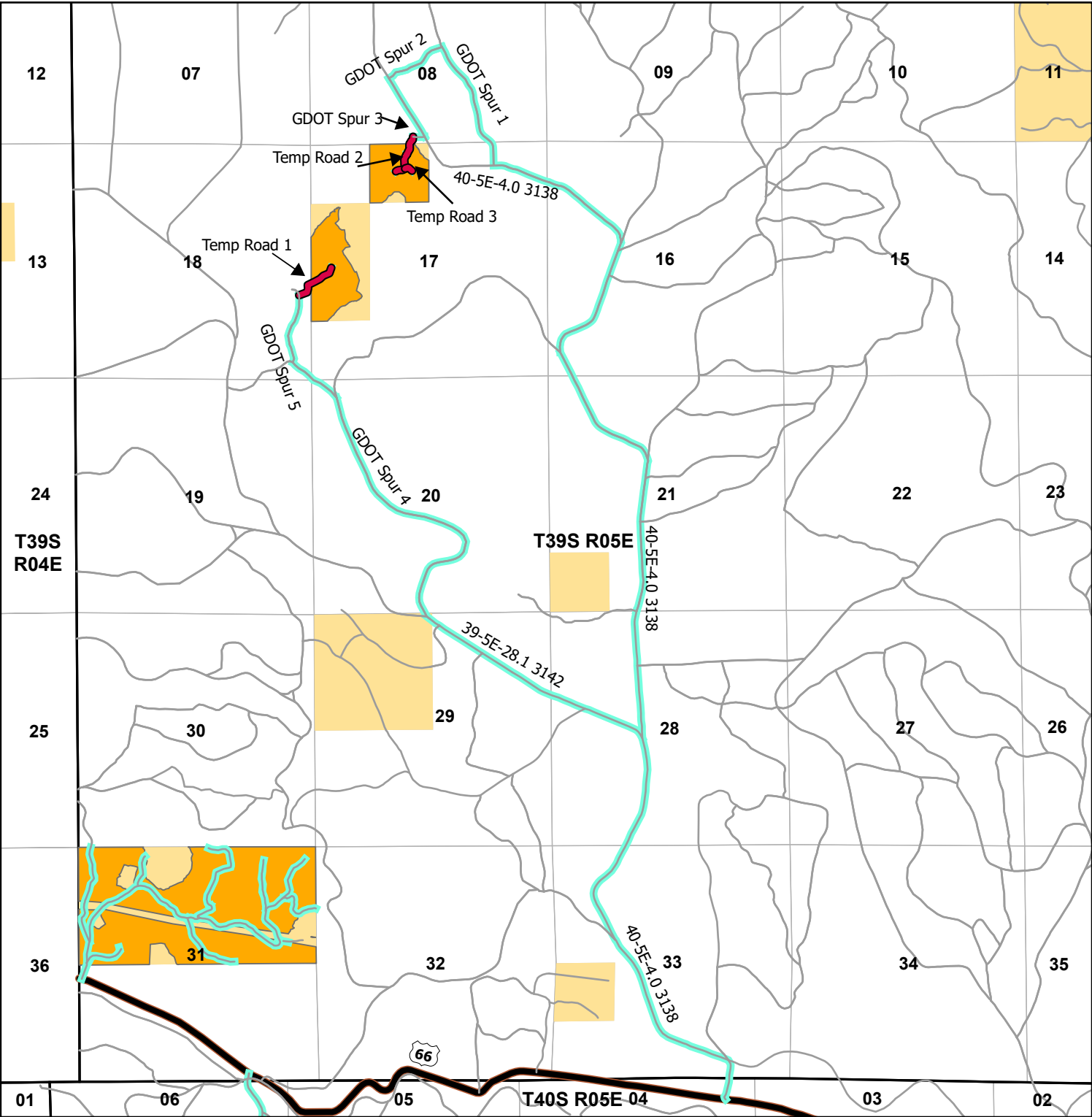


Legend

- Temporary Road Construction
- Haul Route
- Harvest Units



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.



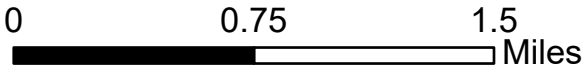
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Temporary Road Construction

Haul Route

Harvest Units

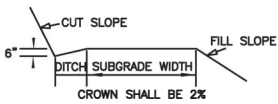
Legend



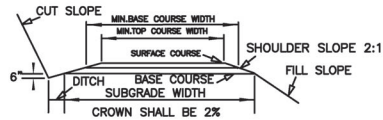
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

TYPICAL CROSS SECTION DETAIL

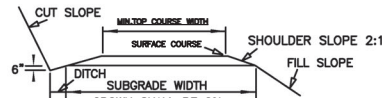
EXHIBIT D
ORL04-TS26-2
SCRAWNY MUTTON
TIMBER SALE SHEET 3



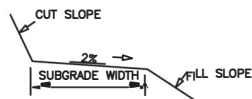
TYPICAL GRADING SECTION
TYPE 1



TYPICAL SURFACING SECTION
TYPE 2

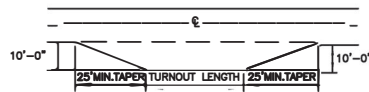


TYPICAL SURFACING SECTION
TYPE 3



TYPICAL GRADING SECTION
TYPE 4

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



PLAN
TYPICAL TURNOUT

ADD TO EACH FILL SHOULDER 1 FT. FOR FILLS OF 1 FT.
AND 2 FT. FOR FILLS OVER 8 FT. WIDEN THE INSIDE
SHOULDER OF ALL CURVES AS FOLLOWS:
WHEN THE DEGREE OF CURVE EQUALS
7-21 ADD 1 FT.
22-35 ADD 2 FT.
36-45 ADD 3 FT.
46-55 ADD 4 FT.
56-65 ADD 5 FT.
OR AS SHOWN ON PLANS.

MATERIALS	CUT SLOPES	FILL SLOPES
COMMON	1/2:1	1 1/2:1
SOFT ROCK & SHALE	1/2:1	1 1/2:1
SOLID ROCK	1/4:1	REPOSE
FULL BENCH CONSTRUCTION IS REQUIRED ON SIDE SLOPES EXCEEDING 60%.		

2. SURFACING TYPE
 - A. PIT RUN ROCK MATERIAL.
 - B. GRID ROLLED ROCK MATERIAL.
 - C. SCREENED ROCK MATERIAL.
 - D. CRUSHED ROCK MATERIAL.
3. TURNOUTS
 - A. WIDTH 10 FT. IN ADDITION TO SUBGRADE WIDTH, OR AS SHOWN ON THE PLANS.
 - B. LOCATED APPROXIMATELY AS SHOWN ON THE ROAD PLANS OR NARRATIVE.
4. SURFACING
 - A. TURNOUTS, CURVE WIDENING AND ROAD APPROACH APRONS SHALL BE SURFACED.
5. CLEARING WIDTH
 - SEE SUBSECTION 200 OR 2100.
6. GRADING

ITEM	SIZE	GRADE
900	4 INCH	A
1000	3 INCH	B
1200	1 1/2 INCH	C&C-1
	1 INCH	D&D-1
	3/4 INCH	E&E-1

ROAD MAINTENANCE SPECIFICATIONS

General road maintenance specifications are designated by numeric symbols according to the type of work performed as follows:

SECTION	DESCRIPTION
3000	General
3100	Operational Maintenance
3200	Seasonal Maintenance
3300	Final Maintenance
3400	Other Maintenance
3500	Decommissioning

ROAD MAINTENANCE SPECIFICATIONS

GENERAL - 3000

- 3001 The Purchaser shall be required to maintain roads referenced in section 44.(B)(3) and as shown on the Exhibit D map of this contract in accordance with Sections 3000, 3100, 3200, 3300, 3400, and 3500 of this exhibit.
- 3001a The Purchaser shall be required to provide maintenance on roads in accordance with Subsections 3403 and 3404.
- 3002 The Purchaser shall maintain the cross section of existing dirt or graveled roads to the existing geometric standards. Any roads required to be renovated under terms of this contract shall be maintained to the geometric standards required in Exhibit C of this contract.
- 3003 The minimum required maintenance on any roads shall include the provisions specified in Subsections 3101, 3104, and 3105.
- 3004 The Purchaser shall be responsible for providing timely maintenance and cleanup on any roads with logging units substantially completed prior to moving operations to other roads. The maximum length of non-maintained or non-cleanup of the road prism shall not exceed the sum of one 1 mile at any time. Release of maintenance requirements may be granted, upon written request, when the conditions specified in Sections 3300 and 3400 are met satisfactorily.

OPERATIONAL MAINTENANCE - 3100

- 3101 The Purchaser shall blade and shape the road surface and shoulders with a motor grader. Banks shall not be undercut. Back blading with tractors or similar equipment will be allowed only around landings and other areas when approved by the Authorized Officer.
- 3103 The purchaser shall maintain established berms and place additional berms using adjacent material where needed to protect fills as directed by the Authorized Officer.
- 3104 The purchaser shall perform other road cleanup including removal of debris, fallen timber, bank slough, and slides which can practicably be accomplished by a motor grader, rubber tired front end bucket loader, rubber tired backhoe or comparable equipment, and by the use of hand tools.
- 3105 The Purchaser shall be responsible for maintaining normal flow in drainage structures. This includes cleaning out drainage ditches, catch basins, clearing pipe inverts of sediment and other debris lodged in the barrel of the pipe, and maintaining water dips and water-bars using equipment specified in Subsection 3104 and other culvert cleaning and flushing equipment.
- 3107 The Purchaser shall cut or trim trees and brush which obstructs vision or prevents the safe

ROAD MAINTENANCE SPECIFICATIONS

passage of traffic along the traveled way when directed by the Authorized Officer.

The Purchaser shall also cut trees or brush encroaching on the road prism that are a result of his activities or winter damage during the contract period. Disposal of such vegetative material shall be in accordance with Section 2100 of Exhibit C.

- 3108 The Purchaser shall avoid fouling gravel or bituminous surfaces through covering with earth and debris from side ditches, slides or other sources. The Purchaser shall also avoid blading surfacing material off the running surface of the roadway. Skidding of logs on the roadway in or outside designated logging units is not authorized without prior written approval by the Authorized Officer. Repair required caused by such skidding activity is not considered maintenance and shall be repaired at the Purchaser's expense.

SEASONAL MAINTENANCE - 3200

- 3201 The Purchaser shall perform preventative maintenance at the end of Purchaser's hauling each season and during non-hauling periods which occur between other operations on the contract area. This includes requirements specified in Section 3100.
- 3202 The purchaser shall perform and complete maintenance specified in Sections 3000, 3100, and 3200 on all roads maintained by him, prior to October 15 each year, except as specified in Subsection 3203, after initial commencement of construction or logging operations. Thereafter, all roads shall have continuous preventive maintenance and road cleanup until suspension of seasonal operations. This includes all roads used and not used during the proceeding operating seasons.
- 3203 The Purchaser shall complete road cleanup and maintenance, as specified in Section 3100, at the completion of logging operations on any roads located in an area separate from the area where logging activities will resume.
- 3204 The Purchaser shall be responsible for performing post storm inspections and maintenance during the winter season to minimize erosion and potential road or watershed damage.

FINAL MAINTENANCE - 3300

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

ROAD MAINTENANCE SPECIFICATIONS

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

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

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

OTHER MAINTENANCE - 3400

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

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

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

- 3403 The Purchaser shall be required to furnish and apply non-saline water during dry hauling periods, when directed by the Authorized Officer, for the purpose of laying dust and to prevent loss of surface material. The first application of water shall be made at the rate of one-half gallon per yd² of road surface traveled. Subsequent applications shall be made for each 40 MBF of timber or 120 yds³ of rock hauled. Subsequent watering may be done at a rate less than one-half gallon per yd² when a specified lesser rate is approved by the Authorized Officer.

ROAD MAINTENANCE SPECIFICATIONS

The following roads shall be watered:

40-5E-6.0	0	145+22
40-5E-7.0	0	81+25
40-5E-7.1	0	2+30
39-5E-31.0	0	89+29
39-5E-31.1	0	22+76
39-5E-31.2	0	7+28
39-5E-31.3	0	16+04
39-5E-31.4	0	25+08
39-5E-31.6	0	10+63
39-5E-31.8	0	11+04
39-5E-31.9	0	10+19
40-5E-4.0 3138	0	261+40
40-5E-4.0 3138	278+65	294+11
GDOT Spur #1	0	30+36
GDOT Spur #2	0	14+50
GDOT Spur #3	0	2+65
Temp Road #2	0	10+29
Temp Road #3	0	1+93
39-5E-28.1 3142	0	56+51
GDOT Spur #4	0	69+73
GDOT Spur #5	0	28+77
Temp Road #1	0	8+56

Water required under these specifications shall be obtained at the location indicated below and shown on the Exhibit D Map:

Camp 4 as identified in the Green Diamond Oregon Timber License Agreement. If additional water sources are needed any necessary water permits and water fees for use shall be paid by the purchaser and approved by the Authorized Officer.

ROAD MAINTENANCE SPECIFICATIONS

Use of water sources are subject to applicable State water regulations and water availability. In the event that the required water is not available at the location specified, water shall be obtained from a source approved by the Authorized Officer.

Decommissioning – 3500

3501 Decommissioning shall consist of ripping the road surface, installing water bars, drain dips, and blocking road from access by vehicles. This work is required for road acceptance under Section 18 of this contract.

3503 Decommissioning shall be performed on existing roads in accordance with these specifications, and as shown on the plans at the following locations:

Road No.	From Station	To Station
Temp Road #1	0	8+56
Temp Road #2	0	10+29
Temp Road #3	0	1+93

3504 Decommissioning work shall be completed after road use. All decommissioning work shall be performed between October 15 of one calendar year and May 15 of the following calendar year both days inclusive.

Section 15 of this contract provides that the Authorized Officer may, under certain conditions, require fire prevention and control measures in addition to those required by applicable (State) laws and regulations. Accordingly:

- (A) The Authorized Officer may by written notice require the Purchaser to restrict operations in accordance with the industrial fire precaution levels below. During declared fire season the precaution level will be determined by the South Central Oregon Fire Management Partnership (SCOFMP) and will be available daily at <https://scofmp.org/> or 541-947-6259.

IFPL LEVEL

- | | | |
|-----|------------------|--|
| I | Closed Season | <p>- A one hour Fire Watch/Security is required at this and all higher levels unless otherwise waived</p> <p>-Fire precaution requirements are in effect.
-Watch person is required for one (1) hour.</p> |
| II | Partial hoot owl | <p>- A one hour Fire Watch/Security is required at this and all higher levels unless otherwise waived</p> <p>- the following may operate from only between the hours of 8:00 P.M. and 1:00 P.M. local time:</p> <p>Power saws, except at loading sites;
Cable yarding;
Blasting;
Welding or cutting metal.</p> |
| III | Partial shutdown | <p>- A one hour Fire Watch/Security is required at this and all higher levels unless otherwise waived</p> <p>- the following are prohibited except as indicated:</p> <p>Cable yarding - except that gravity operated logging systems employing non-motorized carriages may operate between the hours of 8:00 p.m. and 1:00 p.m. local time when all blocks and moving lines are ten (10) feet or more above the ground, except the line between the carriage and the choker.</p> <p><u>Power saws</u> - except power saws may be used at loading sites and on tractor/skidder operations between the hours of 8:00 p.m. and 1:00 p.m. local time.</p> <p>In addition, the following are permitted to operate between the hours of 8:00 p.m. and 1:00 p.m. local time:</p> <ul style="list-style-type: none">▪ Tractor/skidder operations;▪ Mechanized loading and hauling of any product or material;▪ Blasting; |

- Welding or cutting metal;
- Any other spark-emitting operation not specifically mentioned.

IV General shutdown- All operations are prohibited.

(B) The Purchaser will provide fire watchman services for one (1) hour after daily shutdowns of areas of operation, including truck haul routes through the sale area and other areas where Purchaser's employees or contractors have worked on or with power driven equipment, whenever any of the following conditions apply:

- (1) the BLM industrial fire precaution level is I or greater;
- (2) directed in writing by the Authorized Officer;
- (3) required by State law.

The fire watchman shall be physically capable, alert and have adequate experience to perform the following duties:

- (1) operate Purchaser's communications and fire fighting equipment specified in the contract;
- (2) direct the Purchaser's personnel on forest fires;
- (3) report any fire detected to the Lakeview Interagency Fire Center (LIFC) at 541-947-6315.
- (4) move throughout the operation area constantly on the lookout for fires and take suppression action on any fire detected.

Fire Prevention and Control Equipment Requirements

The Purchaser shall provide and maintain in good repair, in the contract area, the following equipment during declared fire season.

FOR EACH OPERATION AREA

Fire Equipment Self Inspection Form

- [] **HAND TOOLS** - Provide at least 1 tool per person with a minimum of 4 tools per operation area. Tools are to be kept in good repair for firefighting only and stored in a TOOL BOX clearly identified as containing firefighting tools. In general, there should be an equal mix of cutting tools (axe or Pulaski) to digging tools (shovel, hazel hoe, or Pulaski).
- [] **WATCHMAN SERVICE** -
 - 1) Watchman shall be on duty for 1 hour after the power driven machinery used by the operator has been shut down for the day or that period of time designated by the forester (1 hour fire watch after any operations).
 - 2) Watchman shall visually observe all portions of the operation area on which operation activity has occurred during the day.
 - 3) Watchman shall be physically capable and experienced to operate firefighting equipment.
 - 4) Watchman shall have adequate facilities for transportation and communications in order to be able to summon assistance.
- [] **WATER SUPPLY AND DELIVERY EQUIPMENT** - Provide a water supply and water delivery equipment, kept ready for immediate use, at each operation area where power driven machinery (except hand held power saw) is used.
 - 1) Water supply shall be a self-propelled motor vehicle with at least 300 gallons, or at least 500 gallons if not self-propelled.
 - 2) Pump capable of discharging not less than 20 gallons/minute when pumping through 50' of hose and a 1/4" nozzle at pump level.
 - 3) Provide at least 500' of hose not less than 3/4" inside diameter and a nozzle.
 - 4) Water supply, pump, at least 250' hose, and nozzle shall be maintained as a connected, operating unit ready for immediate use.

FOR EACH INTERNAL COMBUSTION ENGINE INVOLVED WITH AN OPERATION (includes trucks)

- [] **SPARK ARRESTERS / EXHAUST SYSTEMS** - All internal combustion engines shall be equipped and maintained with a spark arrester in good working condition, and that is listed in the most recent edition of the NWCG publication entitled "Spark Arrester Guide", except:
 - 1) Fully turbo-charged engines which are maintained in good operating condition;
 - 2) Engines in motor vehicles operating on public roads equipped with a muffler and exhaust system;
 - 3) Water pumping equipment used exclusively for firefighting (trucks hauling equipment are not exempt);
 - 4) Engines, except ATV and motorcycle, of 50 cubic inch displacement or less equipped with muffler and exhaust system;
 - 5) Engines in heavy trucks equipped with a muffler and exhaust system, which extend at least to the end of the truck frame and discharge to the rear; or extends above the cab of the truck and discharges upward or to rear.
 - 6) Engines in ATV's and motorcycles which are equipped with a muffler and a exhaust system; or a screen which encloses exhaust system and is resistant to heat and corrosion, openings less than .023".
- [] **EXTINGUISHERS** - Each internal combustion engine, except power saws, shall be equipped with * one 2½ pound size A, B, C rated fire extinguisher approved by a nationally recognized testing laboratory kept ready for immediate use.
*** Two 2 ½ pound fire extinguishers will be equivalent for the 5lb. ABC fire extinguisher required by OR-OSHA**

FOR EACH TRUCK (includes pick-up trucks)

[] FIRE TOOLS AND EXTINGUISHERS

- 1) At least one round point shovel which has a face not less than 8" wide and a handle not less than 26" long; and
- 2) At least one pulaski or axe which has a handle not less than 26" long; and
- 3) At least * one 2½ pound size A, B, C rated fire extinguisher approved by a nationally recognized testing laboratory.
* Two 2 ½ lb fire extinguishers will be equivalent for the 5 lb. ABC fire extinguisher required by OR-OSHA

POWER SAWS (hand held)

- [] EXHAUST SYSTEMS - Each power saw must be equipped and maintained with a spark arrester and other fire prevention equipment that is listed in the most recent edition of the NWCG publication entitled "Spark Arrester Guide". Generally a non-modified saw with an adequate exhaust screen will meet these specifications.

[] TOOLS AND EXTINGUISHERS – kept immediately available.

- 1) At least one round point shovel which has a face not less than 8" wide and a handle not less than 26" long; and
- 2) A fire extinguisher of at least 8 oz. capacity.
- 3) The power saw must stopped during fueling and moved at least 20' from the place of fueling before it is started.

FOR CABLE YARDING OPERATIONS

- [] LOGGING LINES - Do not permit moving lines to rub on rock or woody material in such a way to cause sparks or sufficient heat that may cause ignition of fire.

[] BLOCKS – For each block that guides a moving line :

- 1) Clear ground of all flammable debris for not less than 10' slope distance from point directly below block; and
- 1) Provide at least one pump equipped can or bladder containing not less than 5 gallons of water; and
- 2) Provide at least one round point shovel, which has a face not less than 10" wide, and a handle not less than 26" long.

WAIVERS - The Lakeview District BLM may reduce or waive, in written order, these requirements if conditions so warrant or to take advantage of alternate methods or equipment proposed by the purchaser which provide equal or better prevention or suppression of fire.

SPECIAL PROVISIONS FOR SNOW PLOWING OPERATIONS

The Purchaser shall comply with the following provisions during snow plowing operations:

1. Removal of snow shall be done by a rubber tired grader, rubber tired skidder, or front end loader. A four inch layer of compacted snow shall be left on the road surface.
2. Snow shall be removed as it falls if possible.
3. Where evidence of snowmobile traffic is visible knock down plow berms that may impede snowmobile traffic.
4. Snow shall be removed to a width sufficient to provide for safe operating room. Turnouts shall be spaced to be intervisible.
5. Provisions shall be made to adequately drain the road surface. Holes shall be punched through the snow bank at periodic intervals maximum five hundred (500) feet to allow for snow melt to drain off the road surface.
6. The Purchaser shall be liable for reimbursement to the BLM for repairs to the road surface resulting from damage caused by their snow removal operations.
7. The haul route shall be signed to caution users that log truck traffic is occurring along the road.
8. The Authorized Officer reserves the right to suspend snow removal operations when evidence of damage to the road surface is occurring from either plowing or hauling.
9. Contact and notify the BLM 48 hours prior to plowing.