P R O S P E C T U S
Scale Sale

GRANTS PASS FIELD OFFICE
JOSEPHINE MASTER UNIT

Medford Sale # ORM07-TS-2026.0007
September 24, 2026 (SKS)

Cedar Flat Timber Sale
Josephine County, O&C

BID DEPOSIT REQUIRED: $82,700.00

All timber designated for cutting in E½NW¼, NE¼SW¼ Section 7, NE¼, NE¼NW¼, SW¼NW¼, SW¼, NE¼SE¼ Section 17, Lot 1, Lot 2, Lot 4, NE¼, E½NW¼, SE¼SW¼, N½SE¼, SW¼SE¼ Section 19, S½NE¼, W½NW¼, SE¼NW¼, S½SW¼, N½SE¼,SW¼SE¼ Section 27, Lot 1, NE¼NW¼ Section 31, E½NE¼ Section 33, W½NE¼, NW¼, N½SW¼, NW¼SE¼ Section 34, T. 39 S., R. 5 W.; SW¼NW¼, W½SW¼ Section 1, Lot 1, Lot 2, S½NE¼, E½SW¼, SW¼SW¼, N½SE¼, SW¼SE¼ Section 3, SE¼NE¼, N½SE¼ Section 9, N½NE¼, NW¼, W½SW¼ Section 11, Lot 2, Lot 3, Lot 4, SW¼NE¼, N½NW¼, SE¼NW¼, NE¼SW, W½SE¼ Section 12, Lot 2, Lot 3 Section 13, NE¼, E½SE¼ Section 15, Lot 1, Lot 3, Lot 4, Lot 6, Lot 7, Lot 8, Lot 9, Lot 10, Lot 11, Lot 14, Lot 15, Lot 16 Section 23, SW¼NW¼ Section 24, E½NE¼, SW¼NE¼, NW¼, SW¼, W½SE¼ Section 25, N½NE¼, SW¼NE¼ Section 26, T. 39 S., R. 6 W., Willamette Meridian.

Approx. Number Merch. Trees	Est. Volume MBF 32' Log	Species	Est. Volume MBF 16' Log	Appr. Price Per MBF*	Est. Volume Times Appraised Price
46,869	9,089	Douglas-fir	11,137	$65.30	$727,246.10
7,400	1,328	white fir	1,633	$41.70+	$68,096.10
2,561	404	ponderosa pine	517	$31.60+	$16,337.20
1,795	107	Port-Orford-cedar	123	$45.70+	$5,621.10
834	60	Incense-cedar	76	$38.30+	$2,910.80
149	18	sugar pine	24	$30.30+	$727.20
1	.8	western hemlock	1	$5.20+	$5.20
56,609	11,007	**Totals**	13,511		$820,943.70
Other Wood Products		**Species**	**Est. Green Tons**	**Appr. Price Per Green Ton**	**Est. Tons Times Appraised Price**
Biomass		All Species	2,973	$2.00	$5,946.00
				Total Appraised Purchase Price	**$826,889.70**

*Stumpage values have been determined by market value estimates and analytical appraisal methods were used to compute the appraised price. Additional information concerning the appraised price is available at the Medford District Office.

†Minimum Stumpage values were used to compute the Appraised Price/MBF (10% of Pond Value) Reduced Douglas-fir stumpage by $31.38/mbf or $349,445.06 to pay for deficit species white-fir, Incense-cedar, ponderosa pine, western hemlock, sugar pine and Port-Orford-cedar.

TIMBER AUCTION LOCATION – The timber auction will be held at the Medford Inter-agency Office, located at 3040 Biddle Road, Medford, Oregon, at 9 a.m. on Thursday,

September 24, 2026.

Bidders will be restricted to bidding on a unit (MBF) rate of the Douglas-fir volume. All other species will be sold at appraised price per unit (MBF). The minimum bid increment will be $0.10 per MBF.

CRUISE INFORMATION - The Cedar Flat timber sale was cruised using the PCMTRE, 3P, and BLM 100 cruise methods. Strata 1 was 404 acres dominant of Group Selects and Selection Harvest under 115 basal area retention. It was cruised using PCMTRE, a 40 BAF on 248 plots installed on a grid pattern. Strata 2 was 157 acres dominant of Commercial Thinning and Selection Harvest over 115 basal area retention which was cruised using PCMTRE, a 40 BAF on 92 plots installed on a grid pattern. The following sample frequencies were used: DF= 1 in 8, IC= 1 in 4, PP= 1 in 4, SP= 1 in 2, POC= 1 in 4, WF= 1 in 4, WH= 1 in 2. Strata 3 was 37 acres of ROW's and roadside clearing and was cruised using the 3P cruise method for DF at a 700 KZ. The BLM 100 cruise method was used for strata 4 for other minor species in ROW's and roadside clearing.

Approximately 0% of the 13,511 mbf sale volume is salvage material. With respect to merchantable trees of all conifer species: the average tree is 15.4 inches DBHOB; the average gross merchantable log contains 62bd. ft.; the total gross volume is approximately 14,718 M bd. ft; and 92% recovery is expected. (Average DF is 15.6 inches DBHOB; average gross merchantable log DF contains 63 bd. ft.)

LOG EXPORT AND SUBSTITUTION RESTRICTIONS - All timber sold to the Purchaser under the terms of the contract, except exempted species, is restricted from export under the United States in the form of unprocessed timber and is prohibited from use as a substitute for exported private timber.

All logs will be painted and branded at the landing and accounted for in accordance with Section 41 and 44 of the contract. Brands shall be registered with the State. Purchaser shall use assigned brand(s) exclusively on logs from this sale until the Authorized Officer releases the brand(s). **The Purchaser shall be required to label with a permanent ink marker, each load ticket with the corresponding unit number, as directed by the Authorized Officer.**

CUTTING AREA – The sale contains forty-one (41) units totaling five hundred ninety-eight (598) acres. Twenty-eight and one half (28.5) acres must be commercially thinned, four hundred seventy-six and one half (476.5) acres must be selection harvested, fifty-one (51) acres must be group selection harvested, seven (7) acres must be skipped, thirty-five (35) acres must be treated for roadside vegetation management, and two (2) acres must be clear cut for road construction rights-of way.

CUTTING TIME - Contract duration will be forty-eight (48) months for cutting and removal of timber.

ACCESS - Access to the sale area is available via public state and county road systems to the contract area; via existing BLM roads; via Right-of-Way and Road Use Agreement M-1182 with CF1 Exchange, LLC; via Right-of-Way and Road Use Agreement M-1166/M-1166A with BTG Pactual PNW Fund IV REIT, Inc; via Right-of-Way and Road Use Agreement M-1166/M-1166C with John Hancock Life Insurance Company; via Right-of-Way and Road Use Agreement M-1538 with a private owner; and via a license agreement with the Forest Service. Among other conditions, agreement M-1182 with CF1 Exchange, LLC requires completion of a license agreement for the use of road number 39-5-19.00 B, between the Purchaser and CF1 Exchange, LLC, and road maintenance to be performed by the Purchaser or BLM and an estimated payment of a road surface replacement (rockwear) fee of $95.76. Among other conditions, agreement M-1166/M-1166A with BTG Pactual PNW Fund IV REIT, Inc requires completion of a license

agreement for the use of road number 39-5-19.07, between the Purchaser and BTG Pactual PNW Fund IV REIT, Inc, and road maintenance to be performed by the Purchaser or BLM. Among other conditions, agreement M-1166/M-1166C with John Hancock Life Insurance Company requires completion of a license agreement for the use of road number 39-6-25.04 B, between the Purchaser and John Hancock Life Insurance Company, and road maintenance to be performed by the Purchaser or BLM. Among other conditions, agreement M-1538 with the private owner requires completion of a license agreement for the use of road number 39-6-26.00 A, between the Purchaser and the private owner, and road maintenance to be performed by the Purchaser or BLM. Among other conditions, agreement with the Forest Service requires completion of a license agreement for the use of FS road 4609-940, between the Purchaser and the Forest Service, and road maintenance to be performed by the Purchaser or BLM.

ROAD MAINTENANCE - The Purchaser will be required to maintain all temporary roads (1.48 miles or 78.14 stations) they construct plus 22.97 miles of existing BLM roads, Forest Service roads, and private roads listed in Exhibit D6. An allowance in the amount of $159,552.23 has been made for the final maintenance of these roads. The Purchaser will be required to pay an estimated rockwear fee of $16,737.45 to the BLM for the use of BLM rocked roads and the Purchaser will be required to pay an estimated rockwear fee of $95.76 to CF1 Exchange, LLC for the use of CF1 Exchange, LLC rocked roads. BLM will maintain the 25.35 miles of existing BST and aggregate surface road listed in Exhibit D6. The Purchaser will be required to pay an estimated maintenance fee of $36,162.70 for the use of the BLM maintained roads.

ROAD CONSTRUCTION - The Purchaser will be required to construct 78.14 stations (1.48 miles) of temporary road.

DECOMMISSIONING – An allowance in the amount of $24,950.00 has been made for system road and temporary road decommissioning and long-term closure work. Decommissioning and long-term closure work to be performed is described in Section 3500 of Exhibit D2, Decommissioning Worklist in Exhibit D4, Decommissioning Maps in Exhibit D5, and Estimate of Quantities in Exhibit D6.

SOIL DAMAGE PREVENTION - Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, mechanical ground-based harvesting, ground-based yarding, skid trail and landing rehabilitation, machine piling, road construction, road winterization and rehabilitation shall be restricted to periods of low moisture (dry conditions). Low soil moisture varies by texture and is based on site-specific considerations. Generally, low soil moisture is determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks. Low soil moisture limits will be determined by the Authorized Officer.

Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, log haul shall not be conducted on all natural surface roads that receive one-half (½) inch or more precipitation within a twenty-four (24) hour period. Haul shall not resume for a minimum of forty-eight (48) hours following any storm event, or until road surface is sufficiently dry, as approved by the Authorized Officer. The Purchaser may elect, at their own expense, to apply rock surfacing to these roads to bring them up to wet weather haul standards, as approved by the Authorized Officer.

Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, log haul shall not be conducted on hydrologically connected rocked and/or natural surface roads TR 03-03B, TR 12-05, TR 17-01, TR 17-02A, TR 17-03A, TR 26-01A, TR 26-01B, TR 26-01E, TR 34-03, FS4609-940, 39-5-6.2, 39-5-7.0, 39-5-7.1, 39-5-17.3, 39-5-17.4, 39-5-19.0, 39-5-19.2, 39-5-19.4, 39-5-19.5, 39-5-19.6, 39-5-19.7, 39-5-22.0, 39-5-27.2, 39-5-31.1, 39-5-34.0, 39-5-34.1, 39-6-1.0, 39-6-1.1, 39-6-2.2, 39-6-3.0 after the 39-6-9.2 junction, 39-6-9.2, 39-6-11.0, 39-6-12.1, 39-6-12.3, 39-6-25.4, and 39-6-26.0 and the 39-6-36.0 where surface is aggregate, during conditions that would result in any of the following: surface displacement such as rutting or ribbons, continuous mud splash or

tire slides, fines being pumped through road surfacing from the subgrade resulting in a layer of surface sludge, as directed by the Authorized Officer. The Purchaser may elect, at their own expense, to apply rock surfacing to these roads to bring them up to wet weather haul standards, as approved by the Authorized Officer.

Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, the Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate temporary roads, landings, hydrologically connected corridors and skid trails and other areas of exposed soils by properly installing and/or using water bars, berms, sediment basins, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff and divert runoff water away from stream channels, headwalls, slide areas, high landslide hazard locations or steep erodible fill slopes as directed by the Authorized Officer.

Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, no work in the stream channel shall be conducted between September 15 of one calendar year and June 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a waiver of this restriction.

Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, no non-emergency road maintenance shall be conducted from October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a waiver of this restriction.

EQUIPMENT REQUIREMENTS - A yarding tractor equipped with an integral arch capable of one-end log suspension and a winch for lining logs seventy-five (75) feet. A skyline yarder with a medium (34-44 foot) tower; capable of one-end log suspension with a minimum lateral yarding capability of seventy-five (75) feet while maintaining a fixed position during inhaul; capable of multi-span; and capable of an external yarding distance of one thousand one hundred (1,100) feet slope distance. A piece of equipment capable of sub-soiling to a depth of twelve (12) inches will be required for fully decommissioning any landings or skid trails within ground-based units as necessary to achieve no more than twenty (20) percent detrimental soil compaction within the unit. A piece of equipment with a self-leveling cab capable of lifting and moving cut logs or trees to roads or landings. A fire engine of three hundred (300) gallons or more capacity with five hundred (500) feet of 1½ inch hose (must be adequate length to reach two hundred (200) feet beyond active work sites), six (6) 1½ inch wyes, six (6) 1½ inch to 1 inch reducers, three (3) 1½ inch nozzels and three (3) 1 inch nozzles will be required for fire prevention and control. Each fire engine shall be equipped with a pump capable of delivering a minimum of forty (40) gallons per minute (gpm) water flow at one hundred fifty (150) pounds per square inch (psi) engine pressure through fifty (50) feet of 1½ inch fire hose. The pump may be either power take off driven or truck-mounted auxiliary engine driven, or portable.

SLASH DISPOSAL - Slash disposal will consist of a combination of lop and scatter; machine pile, cover, burn, and mop-up machine piles; hand pile, cover, burn, and mop-up hand piles; pile, cover, burn, and mop-up landing decks; and cover, burn, and mop-up roadside piles as described in SD-1, SD-2, and SD-4 of the Special Provisions. A post logging assessment shall be conducted to determine treatment needs in all units. The initial slash disposal appraisal described in SD-5 prescribed three hundred sixty-three and one half (363.50) acres of lop and scatter fifty-six (56) acres of hand pile, cover, burn, and mop-up hand piles, seventy-six (76) acres of machine pile, cover, burn, and mop-up machine piles, thirty-seven (37) acres of cover and burn roadside piles, and sixty and one half (60.50) acres of cover and burn landing decks.

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, or protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan (RMP). 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.

BUYOUT SECURITIES - The purchaser will have the option of performing seventy-six (76) acres of machine pile burn and mop up slash disposal requirements or contributing six thousand four hundred twenty-six and 10/100 dollars ($6,426.10) in lieu thereof. The option must be declared upon execution of the contract. The purchaser will have the option of performing fifty-six (56) acres of hand pile burn and mop up slash disposal requirements or contributing five thousand four hundred sixty-eight and 61/100 dollars ($5,468.61) in lieu thereof. The option must be declared upon execution of the contract. The purchaser will have the option of performing sixty and one half (60.50) acres of burn and mop up landing decks and roadside piles slash disposal requirements or contributing four thousand four hundred sixty-seven and 7/100 dollars ($4,467.07) in lieu thereof. The option must be declared upon execution of the contract. The purchaser will have the option of performing thirty-seven (37) acres of burn and mop up landing decks and roadside piles slash disposal requirements or contributing two thousand seven hundred thirty-one and 92/100 dollars ($2,731.92) in lieu thereof. The option must be declared upon execution of the contract. The optional contribution must be paid in installments payable in the same manner as and together with payments required in Section 3 of the contract.

PERFORMANCE BOND - A performance bond in the amount of 20% of the total purchase price will be required.

OTHER -

1. No extension of time beyond the normal 30 days will be granted for completing bonding and contract signing requirements.

2. A revised 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: (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 stay or remedy issued by the Interior Board of Land Appeals or a court order, or; (3) Protect species which were identified for protection in accordance with management direction established in the ROD and RMP.

3. No harvest, yarding, or road construction operations within: units 3-3, 3-3 ROW, 12-5, 13-2, 25-1, 25-5, 31-2, 34-1, 34-2, and 34-3 and portions of units 1-2, 3-1, 7-1, 9-3, 11-1, 12-1, 12-2, 17-3, 19-2, 23-1, 23-4, 23-5, 25-2, 25-3, and 26-1 as shown on Exhibit A shall be conducted between March 1 and July 15 of the same calendar year, both days inclusive. This restriction will not apply if it can be shown from northern spotted owl protocol surveys conducted in accordance with accepted standards, as approved by the Contracting Officer, that northern spotted owl nesting and/or fledging activities are not occurring during the year and/or time of harvest. This restriction may be extended if it can be shown from northern spotted owl protocol surveys that owls are nesting.

4. The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year in which operations are expected to take place on the contract area between March 1 and September 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, felling, bucking, yarding, road construction, or any other activity with the potential to disturb nesting northern spotted owls may not be allowed between March 1 and September 30, both days inclusive. Upon receipt of a notice that the Purchaser expects to perform such operations during this time period, the Government will conduct surveys to determine whether owls have moved into harvest units. If northern spotted owls are detected in or adjacent to the units, operations would be restricted until northern spotted owl occupancy and nesting status has been determined. If it is determined owls are not nesting or that no young have been produced,

the Authorized Officer may lift the seasonal restriction on such operations in writing. Without this approval, such operations are prohibited from March 1 through July 15 of each year.

5. No ground-based harvesting, yarding, temporary route or road construction, machine piling, and rehabilitation operations shall be conducted in units 1-2, 3-3, 11-1, 12-1, 12-3, 12-5, 12-5 ROW, 23-1, 23-4, 23-5, 25-2, 25-4, 31-2, 34-1, 34-3, 17.0 RS, 18.1 RS, and 23.0 RS between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request, in writing, a conditional waiver of this restriction. If the first fall rain has not yet occurred, soil moisture is low, and the likelihood of spreading *phytophthora lateralis* (Port-Orford-cedar root disease) is low, the Contracting Officer may approve a conditional waiver. Low soil moisture varies by texture and is based on site-specific considerations. Generally, low soil moisture is determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks. Low soil moisture limits will be determined by the Authorized Officer. If the first fall rain is forecasted to occur and/or the moisture conditions described above resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked unless the Purchaser washes all equipment prior to entering the uninfested units/roads as described in Exhibit P. If dry season rain events result in unacceptable said moisture conditions, cessation of above operations will be required until moisture conditions are acceptable as determined by the Authorized Officer. See Exhibit P and seasonal restriction matrix for full restrictions, including waiver requirements.

6. No road construction and/or road maintenance/renovation shall be conducted on roads 39-5-7.1, 39-5-17.0, 39-5-17.4, 39-5-17.6, 39-5-18.1, 39-5-19.2, 39-5-19.5, 39-5-19.6, 39-5-19.7, 39-5-31.1, 39-5-34.0, 39-6-12.2, 39-6-12.4, 39-6-23.0, 39-6-23.2, 39-6-36.0, and TR 12-5 (for units 7-1, 12-1, 12-5, 12-5 ROW, 13-2, 17-1, 17-2, 17-3, 17-4, 19-1, 19-2, 23-5, 25-1, 25-2, 25-3, 25-4, 25-5, 26-1, 31-2, 34-3, 17.0 RS, 18.1 RS, 23.0 RS, 25.1 RS, and 34.0 RS) between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. This includes wet periods during the dry season, that receive one-half (½) inch or more precipitation within a twenty-four (24) hour period, where continuous mud splash may occur. Operations shall not resume for a minimum of forty-eight (48) hours following any storm event, or until road surface is sufficiently dry, as approved by the Authorized Officer. Purchaser may request, in writing, a conditional waiver of this restriction. If the first fall rain has not yet occurred, puddles are not present in roads, water is not running in ditches, and the likelihood of spreading *phytophthora lateralis* (Port-Orford-cedar root disease) is low, the Contracting Officer may approve a conditional waiver. If the first fall rain is forecasted to occur and/or the moisture conditions described above resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked, unless the Purchaser washes all equipment prior to entering the uninfested roads/units as described in Exhibit P. See Exhibit P and seasonal restriction matrix for full restrictions, including waiver requirements.

7. Corridors may be needed outside of unit boundaries in units 17-3, 19-2, 25-4, and 34-3. These cable corridors shall try to avoid the stream buffers and crossing over streams shown on Exhibit A and shall be approved by the Authorized Officer prior to use. If cable corridors cannot avoid the stream buffers or cannot avoid crossing over a stream, then they shall adhere to the requirements listed in Section 44 (A)(9)(L-12).

8. In unit 34-2, designated existing skid trails may be utilized outside of unit boundaries but shall not enter plant, stream, seep, wetland or other resource buffers, as approved by the Authorized Officer prior to use. See Section 44(A)(9)(L-12) and Section 44(A)(16)(L-19) for utilization and seasonal requirements.

9. In unit 17-3, designated existing skid trails may be utilized outside of unit boundaries but within stream buffers shown on Exhibit A, as approved by the Authorized Officer prior to use. See Section 44(A)(9)(L-12), Section 44(A)(10)(L-12), and Section 44(A)(16)(L-19) for utilization and seasonal requirements.

10. No mechanical ground based harvesting, ground based yarding, skid trail and landing rehabilitation, machine piling, road and temporary route construction, road and temporary route reconstruction, temporary route decommissioning, or non-emergency road maintenance shall be conducted in units 1-2, 3-1, 3-3, 3-3 ROW, 7-1, 9-3, 11-1, 12-2, 12-3, 12-5, 12-5 ROW, 13-2, 17-1, 17-2, 17-3, 17-4, 19-1, 19-2, 23-4, 23-5, 25-1, 25-2, 25-3, 25-5, 26-1, 31-2, 34-1, 34-2, 34-3, 7.0 RS, 9.2 RS, 11.0 RS, 17.0 RS, 18.1 RS, 22.0 RS, 23.0 RS, 25.1 RS, and 34.0 RS between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

11. A harvester, feller-processor, or feller-buncher with purpose-built carriers with boom-mounted felling heads and a boom with a minimum lateral reach of twenty (20) feet may be used in the ground-based portion of harvest units. Mechanized equipment as stated above with self-leveling cabs may be used on slopes up to fifty (50) percent un-tethered, and on slopes up to seventy (70) percent if it is attached to a tether-assist winch mechanism, as approved by the Authorized Officer.

12. In the Riparian Reserve and Late Successional Reserve portion of all units, the Purchaser shall create a total of one thousand one hundred twenty-two (1,122) snags via girdling. See Section 44(A)(23)(L-32) for more details.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA – Take OR-238 E to Williams Hwy.

From Williams Hwy, turn left onto E Fork Rd, right onto the 39-5-14.0 Rd, and left onto the 39-5-22.0 road. Navigate to Units 34-1, 34-2, 34-3, 22.0 RS, and 34.0 RS along that road system. A BLM key is needed to access that road system.

From Williams Hwy, continue onto Cedar Flat Rd.

From Cedar Flat Rd, continue onto the 39-5-6.0 Rd and navigate to Units 1-2, 3-1, 3-3, 3-3 ROW, 7-1, 9-3, 11-1, 12-1, 12-2, 12-3, 12-5, 12-5 ROW, 9.2 RS, and the northern portion of 11.0 RS along that road system. A BLM key is needed to access portions of Unit 3-3, 3-3 ROW, and 9.2 RS.

From Cedar Flat Rd, turn left onto Caves Camp Rd.

From Caves Camp Rd, turn left onto Lone Creek Rd and continue onto the 39-5-7.0 Rd. Navigate to Units 17-1, 17-2, 17-3, 17-4, 19-1, 7.0 RS, and 17.0 RS along that road system. A BLM key is needed to access that road system.

From Caves Camp Rd, turn left onto the 39-5-19.0 Rd and navigate to Unit 19-2 along that road system. A BLM key is needed to access that road system.

From Caves Camp Rd, continue onto the 39-5-18.1 road and navigate to Units 13-2, 23-1, 23-4,

23-5, 25-1, 25-2, 25-3, 25-4, 25-5, 26-1, 31-2, the southern portion of 11.0 RS, 18.1 RS, 23.0 RS, and 25.1 RS.

ENVIRONMENTAL ASSESSMENT - An environmental assessment (DOI-BLM-ORWA-M070-2025-0002-EA) was prepared for this sale, and a Finding of No Significant Impact has been documented. This document is available for inspection as background for this sale at the Medford District Office.

CEDAR FLAT TIMBER SALE

SPECIAL PROVISIONS

THIS IS A SALE PROSPECTUS ONLY. THESE ARE THE SPECIAL PROVISIONS AS THEY WILL BE WRITTEN IN THE CONTRACT. ATTACHMENTS MAY NOT INCLUDE ALL EXHIBITS REFERRED TO IN THE CONTRACT PROVISIONS. THE COMPLETE CONTRACT, INCLUDING ALL EXHIBITS, IS AVAILABLE FOR INSPECTION AT THE MEDFORD INTERAGENCY OFFICE.

Sec. 43. 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 Government.

(A) AR-1 All timber on the Reserve Areas as shown on Exhibit A and all trees marked with a combination of orange paint, orange flagging, and/or posters which are on or mark the boundaries of the Reserve Areas.

(B) AR-2 All timber on the Reserve Areas shown on Exhibit A and all blazed, painted, or posted trees which are on or mark the boundaries of the Reserve Areas, except approximately three thousand nine hundred seventy-eight (3,978) Douglas-fir, two hundred forty-three (243) Port-Orford-cedar, one hundred forty-six (146) white fir, ninety-four (94) ponderosa pine, thirty-nine (39) incense-cedar, and one (1) western hemlock trees marked for cutting heretofore by the Government with blue paint above and below stump height in roadside vegetation management units 7.0 RS, 9.2 RS, 11.0 RS, 17.0 RS, 18.1 RS, 22.0 RS, 23.0 RS, 25.1 RS, and 34.0 RS, shown on Exhibit A.

(C) AR-2 All timber on the Reserve Areas shown on Exhibit A and all blazed, painted, or posted trees which are on or mark the boundaries of the Reserve Areas, except approximately one hundred seventy-eight (178) Douglas-fir, forty-five (45) white fir, and eleven (11) ponderosa pine trees designated for cutting heretofore by the Government with the absence of orange paint above and below stump height in road construction clearing limit units 3-3 ROW and 12-5 ROW as shown on Exhibit A.

(D) IR-1 Approximately seventeen thousand eight hundred ninety-four (17,894) Douglas-fir, one thousand twenty-four (1,024) ponderosa pine, one hundred forty-three (143) sugar pine, three hundred eighty-five (385) Port-Orford-cedar, one hundred fifty-two (152) incense-cedar, two (2) Pacific yew, two hundred ninety-two (292) oak, three hundred thirty-nine (339) hardwoods, and one thousand two hundred twenty (1,220) white fir trees marked with yellow paint above and below stump height in units 1-2, 3-1, 3-3, 7-1, 9-3, 11-1, 12-1, 12-2, 12-3, 12-5, 13-2, 17-1, 17-2, 17-3, 17-4, 19-1, 19-2, 23-1, 23-4, 23-5, 25-1, 25-2, 25-3, 25-4, 25-5, 26-1, 31-2, 34-1, 34-2, and 34-3, shown on Exhibit A.

(E) IR-6 All Pacific yew trees in the Contract Area shown on Exhibit A.

(F) IR-6 All hardwood trees in the Contract Area show on Exhibit A, except as needed to cut for safety or operational purposes.

(G) IR-13 All trees greater than thirty-six (36) inches D.B.H.O.B that were established prior to 1850 in the contract as shown on Exhibit A which do not present a safety hazard as determined by the Authorized Officer. All trees that are greater than thirty-six (36) inches D.B.H.O.B. that are cut for safety or operational purposes, and do not present a safety hazard on the ground, shall be retained on site as directed by the Authorized Officer.

(H) IR-13 All existing snags and coarse woody debris in all units shown on Exhibit A which do not present a safety hazard as determined by the Authorized Officer. All snags that are felled for safety reasons, and do not present a safety hazard on the ground, shall be retained on site.

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 he intends 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 will be 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 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-4 In Unit 12-3, all trees designated for cutting shall be cut so that the resulting stumps shall not be higher than twelve (12) inches measured from the ground on the uphill side of the trees unless old metal pins, test-site fencing, or similar legacy materials create safety hazards, then stump heights shall be kept as low as safely possible.

5) L-5 All conifer trees eight (8) inches or larger D.B.H.O.B., which are not reserved shall be felled in all units shown on Exhibit A.

6) L-5 All trees and vegetation greater than twelve (12) inches in height that are within fifteen (15) of the edge of the road, which are not reserved, shall be felled in all roadside vegetation management units 7.0 RS, 9.2 RS, 11.0 RS, 17.0 RS, 18.1 RS, 22.0 RS, 23.0 RS, 25.1 RS, and 34.0 RS, as shown on Exhibit A and as described in Exhibit C.

7) L-8 In all units as shown on Exhibit A, all trees designated for cutting shall be felled and whole tree yarded or yarded with tops attached except when excessive stand damage occurs as determined by the Authorized Officer. If excessive stand damage occurs, all trees shall be bucked into log lengths not to exceed forty-one (41) feet prior to being yarded.

8) L-11 No trees may be felled into the stream or other resource buffers designated on Exhibit A.

9) L-12 In the Units shown on Exhibit A, yarding/felling shall be done in accordance with the requirements for the designated area listed below.

Designated Area	Yarding Requirements or Limitations
Roadside Maintenance Units (RMUs) 7.0 RS, 9.2 RS, 11.0 RS, 17.0 RS, 18.1 RS, 22.0 RS, 23.0 RS, 25.1 RS, 34.0 RS	No tracked equipment shall operate on paved roads, unless proper protection is used as specified in Sec. 44(B)(17)(R-5). Mechanical felling required with a single-grip felling head (a head that can hold and fully suspend the tree after it is cut). Only purpose-built carriers with boom-mounted felling heads may be approved. The boom must have a lateral reach of twenty (20) feet or more, and the machine's lateral reach must be utilized as much as possible. The purpose-built carrier may be of the articulated, rubber-tired design, or the zero-clearance tail swing leveling track-mounted design. Directional falling by hand may be permitted, so long as limbs and tops can be machine piled from the road. Yarding shall be done with equipment which will fully suspend both ends of the log clear of the ground during inhaul. Landing size shall not exceed one-quarter (¼) acre, shall be located along existing roads, and shall be approved by the Authorized Officer. No landing creation or expansion shall occur without prior approval from the Authorized Officer. Design landings with adequate drainage. Conifer tops and limbs, hardwoods, brush, and other cut vegetation created from the roadway clearing treatment shall be machine piled concurrently with felling operations and shall be treated according to the roadway clearing prescriptions found in Exhibit C and according to the machine pile cover, burn and mop up slash disposal stipulations found in Sec. 44(E)(1)(SD-1)(e)(SD-1f) and Sec. 44(E)(2)(SD-2)(e & f). All mechanized equipment shall only operate on existing road surfaces. Mechanized felling operations are subject to seasonal operating restrictions as described in Sec. 44(A)(16)(L-19), Sec. 44(A)(17)(L-19), and Sec. 44(A)(20)(L-19) of this contract.

Roadside Maintenance Units (RMUs) Continued 7.0 RS, 9.2 RS, 11.0 RS, 17.0 RS, 18.1 RS, 22.0 RS, 23.0 RS, 25.1 RS, 34.0 RS	See Exhibit C in the Engineering package for more details on the roadside maintenance requirements.
Designated Area	Yarding Requirements or Limitations
Ground Based Harvest & Ground Based Yard Units 1-2, 3-1, 3-3, 3-3 ROW, 7-1, 9-3, 11-1, 12-2, 12-3, 12-5, 12-5 ROW, 13-2, 17-1, 17-2, 17-3, 17-4, 19-1, 19-2, 23-4, 23-5, 25-1, 25-2, 25-3, 25-5, 26-1, 31-2, 34-1, 34-2, 34-3	No tracked equipment shall operate on paved roads, unless proper protection is used as specified in Sec. 44(B)(17)(R-5). Mechanized harvesting operations are optional. All ground-based harvest units may be manually felled. The harvester, feller-processor, or feller-buncher shall be approved by the Authorized Officer prior to the start of mechanized felling operations. Only purpose-built carriers with boom-mounted felling heads may be approved. The boom must have a lateral reach of twenty (20) feet or more, and the machine's lateral reach must be utilized as much as possible. The purpose-built carrier may be of the articulated, rubber-tired design, or the zero-clearance tail swing leveling track-mounted design. Directional falling to lead and away from streams, unit boundaries, and resource buffers shown on Exhibit A will be required. Trees shall be felled toward the skid trail. The harvest equipment shall walk on existing or created slash as directed by the Authorized Officer. If Purchaser is required to create slash to walk on, then Purchaser shall not be required to whole-tree-yard. Non-specialized ground-based equipment (without a self-leveling cab) shall be limited to slopes of thirty-five (35) percent or less. Specialized ground-based equipment (with a self-leveling cab) shall be limited to slopes fifty (50) percent or less, unless it can operate safely, and it is attached to tether-assist winch mechanism. This equipment can operate on steeper ground without tether-

Ground Based Harvest & Ground Based Yard Units Continued 1-2, 3-1, 3-3, 3-3 ROW, 7-1, 9-3, 11-1, 12-2, 12-3, 12-5, 12-5 ROW, 13-2, 17-1, 17-2, 17-3, 17-4, 19-1, 19-2, 23-4, 23-5, 25-1, 25-2, 25-3, 25-5, 26-1, 31-2, 34-1, 34-2, 34-3	assist if it is operating on previously constructed skid trails or accessing isolated ground-based harvest areas requiring short distances over steeper pitches. On slopes of fifty (50) percent or less, tethered-assist equipment must operate perpendicular to the slope. Maintain tension on the tether such that ground pressures of the equipment remain evenly distributed across tracks or wheels. Report occurrences of tether going slack to the Authorized Officer. Mechanized ground-based felling and yarding operations are subject to dry condition operating restrictions as described in Section 44(A)(16)(L-19) and Section 44(A)(17)(L-19) and northern spotted owl seasonal restrictions described in Sec. 44(A)(20)(L-20) of this contract. Yarding tractor shall be equipped with an integral arch and yard with one-end log suspension. Existing skid roads shall be used when possible. Skid roads shall not exceed a width of twelve (12) feet on average per unit and new skid roads shall be placed at least one hundred fifty (150) feet apart where topography will allow, unless the Purchaser proposes an alternate logging plan that limits soil compaction from skids trails to less than fifteen (15) percent over the harvest unit and is approved by the Authorized Officer. Designate skid trails in locations that do not channel water into waterbodies, floodplains, and wetlands, or unstable areas. Rehabilitate utilized skid roads, landings, and/or temporary routes as necessary to achieve no more than twenty (20) percent detrimental soil conditions in the ground-based harvest unit, as specified in Sec. 44(C)(12)(E-1). Block skid trails following use. Landing size shall generally not exceed one-half (½) acre, shall be located along existing roads, temporary routes, within unit boundaries, and shall be approved by the Authorized Officer. Design landings with adequate

Ground Based Harvest & Ground Based Yard Units Continued 1-2, 3-1, 3-3, 3-3 ROW, 7-1, 9-3, 11-1, 12-2, 12-3, 12-5, 12-5 ROW, 13-2, 17-1, 17-2, 17-3, 17-4, 19-1, 19-2, 23-4, 23-5, 25-1, 25-2, 25-3, 25-5, 26-1, 31-2, 34-1, 34-2, 34-3	drainage so that they are not hydrologically connected to draws or the ditchline of roads. Minimize disturbance to existing coarse woody debris. Where skid trails encounter large coarse woody debris, the Purchaser shall buck out a portion for equipment access. The use of blades while tractor yarding will be limited, equipment shall walk over as much ground litter as possible. Skid trails may be needed outside of unit boundaries in units 17-3 and 34-2, but shall not enter plant, stream, seep, wetland or other resource buffers unless using a designated stream crossing as shown on Exhibit A and shall be approved by the Authorized Officer prior to use. See Sec. 44(A)(10)(L-12) for a complete description of the requirements for the use of the designated skid trails and designated stream crossings in Unit 17-3. Unit 12-3 may contain old metal pins, test-site fencing, and other legacy materials that may pose safety hazards.
Designated Area	Yarding Requirements or Limitations
Cable Yard Units 1-2, 3-1, 3-3, 9-3, 11-1, 12-1, 12-5, 17-1, 17-2, 17-3, 19-2, 23-1, 23-5, 25-1, 25-2, 25-4, 26-1, 31-2, 34-3	No tracked equipment shall operate on paved roads, unless proper protection is used as specified in Sec. 44(B)(17)(R-5). Directional falling to the lead and away from streams, seeps, wetlands, plant sites & buffers, and unit boundaries shown on Exhibit A will be required. Trees shall be felled toward the yarding corridor. Yarding will be done with a cable yarding system which will suspend one end of the log clear of the ground during inhaul on the yarding corridor. The cable yarding system shall be capable of yarding one thousand one hundred (1,100) feet slope distance. Skyline equipment shall be capable of yarding in a multispan configuration. A carriage is required which will maintain a fixed position on the skyline during lateral yarding and has a

Cable Yard Units Continued 1-2, 3-1, 3-3, 9-3, 11-1, 12-1, 12-5, 17-1, 17-2, 17-3, 19-2, 23-1, 23-5, 25-1, 25-2, 25-4, 26-1, 31-2, 34-3	minimum lateral yarding capability of seventy-five (75) feet. Yarding corridors will be perpendicular to the contours. Prior to falling any timber in the unit, all tail/lift trees and/or intermediate support trees shall be pre-designated by the Purchaser and approved by the Authorized Officer. Existing cable corridors shall be used whenever possible. Yarding corridors shall be approximately one hundred fifty (150) feet apart, measured at the tailholds. Yarding corridor widths shall not exceed six (6) feet either side of the skyline centerline. Landing size shall not exceed one-quarter (¼) acre, shall be located along existing roads, temporary routes, within unit boundaries where possible, and shall be approved by the Authorized Officer. Design landings with adequate drainage so that they are not hydrologically connected to draws or the ditchline of roads. Corridors may be needed outside of unit boundaries in units 17-3, 19-2, 25-4, and 34-3. These cable corridors and landings shall not be located in any of the stream, seep, wetland, plant, or other resource buffers shown on Exhibit A and shall be approved by the Authorized Officer prior to use. If cable corridors cannot be avoided over streams and wetlands, then they shall adhere to the requirements below. Yarding over streams shall be avoided unless it is the only viable option. If yarding is needed over streams shown on Exhibit A, it shall be done with full suspension within fifty (50) feet of and over streams and shall be approved by the Authorized Officer. Any trees cut for the yarding corridor outside of unit boundaries within one hundred ninety-five (195) feet of streams shown on Exhibit A shall be retained on site as coarse woody debris. Cable corridors that are hydrologically connected to streams shown on Exhibit A shall be water-barred and shall have slash placed over them prior to winter rain events to protect water quality.

10) L-12 In Unit 17-3, the designated skid trail stream crossings outside of unit boundaries, as shown on Exhibit A, may be used during the dry season (May 15-October 15 of the same calendar year) as approved by the Authorized Officer. Trees outside the unit boundaries and inside the stream buffer Reserve Area shall not be cut unless necessary for safe operations; if trees in the buffer need to be cut, they shall be left on-site. More logs shall be added to the running surface of the crossing, perpendicular to the stream, as needed to protect the stream banks from erosion. Following use, remove any logs added to the crossing, and waterbar, seed & mulch the utilized skid trail within fifty (50) feet of the stream.

11) L-14 No falling, yarding, or loading is permitted in or through the streams, seeps, or wetlands as shown on Exhibit A, except for use of the designated skid trail stream crossing in Unit 17-3 as permitted in Sec. 44(A)(10)(L-12) and Sec. 44(A)(9)(L-12)(ground based harvesting and yarding), except for cable corridors crossing over streams or wetlands if necessary as permitted in Sec. 44(A)(9)(L-12)(cable yarding).

12) L-16 No ground disturbing activities shall be located within 120 feet of identified perennial streams near units 9-3, 11-1, 12-5, 13-2, 17-1, 17-3, 19-2, 23-5, 25-2, 25-4, 25-5, 26-1, 31-2, 11.0 RS, 17.0 RS, 22.0 RS, and 25.1 RS as shown on Exhibit A without approval from the Authorized Officer and review from the hydrologist or fish biologist.

13) L-19 No work in the stream channel shall be conducted between September 15 of one calendar year and June 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a waiver of this restriction.

14) L-19 No non-emergency road maintenance shall be conducted from October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a waiver of this restriction.

15) L-19 No ground-based yarding shall be conducted on the designated skid trail stream crossings in Unit 17-3 from October 15 of one calendar year and May 15 of the following calendar year, both days inclusive.

16) L-19 No mechanical ground based harvesting, ground based yarding, skid trail and landing rehabilitation, machine piling, road and temporary route construction, road and temporary route reconstruction, temporary route decommissioning, or non-emergency road maintenance shall be conducted in units 1-2, 3-1, 3-3, 3-3 ROW, 7-1, 9-3, 11-1, 12-2, 12-3, 12-5, 12-5 ROW, 13-2, 17-1, 17-2, 17-3, 17-4, 19-1, 19-2, 23-4, 23-5, 25-1, 25-2, 25-3, 25-5, 26-1, 31-2, 34-1, 34-2, 34-3, 7.0 RS, 9.2 RS, 11.0 RS, 17.0 RS, 18.1 RS, 22.0 RS, 23.0 RS, 25.1 RS, and 34.0 RS between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

17) L-19 No ground-based harvesting, yarding, temporary route or road construction, machine piling, and rehabilitation operations shall be conducted in units 1-2, 3-3, 11-1, 12-1, 12-3, 12-5, 12-5 ROW, 23-1, 23-4, 23-5, 25-2, 25-4, 31-2, 34-1, 34-3, 17.0 RS, 18.1 RS, and 23.0 RS between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request, in writing, a conditional waiver of this restriction. If the first fall rain has not yet occurred, soil moisture is low, and the likelihood of spreading *phytophthora lateralis* (Port-Orford-cedar root disease) is low, the Contracting Officer may approve a conditional waiver. Low soil moisture varies by texture and is based on site-specific considerations. Generally, low soil moisture is determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks. Low soil moisture limits will be determined by the Authorized Officer. If the first fall rain is forecasted to occur and/or the moisture conditions described above resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked unless the Purchaser washes all equipment prior to entering the uninfested units/roads as described in Exhibit P. If dry season rain events result in unacceptable said moisture conditions, cessation of above operations will be required until moisture conditions are acceptable as determined by the Authorized Officer. See Exhibit P and seasonal restriction matrix for full restrictions, including waiver requirements.

18) L-19 No road construction and/or road maintenance/renovation shall be conducted on roads 39-5-7.1, 39-5-17.0, 39-5-17.4, 39-5-17.6, 39-5-18.1, 39-5-19.2, 39-5-19.5, 39-5-19.6, 39-5-19.7, 39-5-31.1, 39-5-34.0, 39-6-12.2, 39-6-12.4, 39-6-23.0, 39-6-23.2, 39-6-36.0, and TR 12-5 (for units 7-1, 12-1, 12-5, 12-5 ROW, 13-2, 17-1, 17-2, 17-3, 17-4, 19-1, 19-2, 23-5, 25-1, 25-2, 25-3, 25-4, 25-5, 26-1, 31-2, 34-3, 17.0 RS, 18.1 RS, 23.0 RS, 25.1 RS, and 34.0 RS) between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. This includes wet periods during the dry season, that receive one-half (½) inch or more precipitation within a twenty-four (24) hour period, where continuous mud splash may occur. Operations shall not resume for a minimum of forty-eight (48) hours following any storm event, or until road surface is sufficiently dry, as approved by the Authorized Officer. Purchaser may request, in writing, a conditional waiver of this restriction. If the first fall rain has not yet occurred, puddles are not present in roads, water is not running in ditches, and the likelihood of spreading *phytophthora lateralis* (Port-Orford-cedar root disease) is low, the Contracting Officer may approve a conditional waiver. If the first fall rain is forecasted to occur and/or the moisture conditions described above resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked, unless the Purchaser washes all equipment prior to entering the uninfested roads/units as described in Exhibit P. See Exhibit P and seasonal restriction matrix for full restrictions, including waiver requirements.

19) L-19 No haul on natural surface and rocked roads: TR 03-03B, TR 12-05, TR 17-01, TR 17-02A, TR 17-03A, TR 26-01A, TR 26-01B, TR 26-01E, TR 34-03, FS4609-940, 39-5-6.2, 39-5-7.0, 39-5-7.1, 39-5-17.3, 39-5-17.4, 39-5-19.0, 39-5-19.2, 39-5-19.4, 39-5-19.5, 39-5-19.6, 39-5-19.7, 39-5-22.0, 39-5-27.2, 39-5-31.1, 39-5-34.0, 39-5-34.1, 39-6-1.0, 39-6-1.1, 39-6-2.2, 39-6-3.0 after the 39-6-9.2 junction, 39-6-9.2, 39-6-11.0, 39-6-12.1, 39-6-12.3, 39-6-25.4, and 39-6-26.0 and the 39-6-36.0 where surface is aggregate shall be conducted on the Contract Area between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If the Authorized Officer determines

that hauling would not result in road damage or the transport of sediment to nearby stream channels based on soil moisture conditions or rain events, Contracting Officer may approve a conditional waiver for hauling. If soil moisture conditions or rain events are anticipated to cause impacts to roads or stream water quality resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

20) L-20 No harvest, yarding, or road construction operations within: units 3-3, 3-3 ROW, 12-5, 13-2, 25-1, 25-5, 31-2, 34-1, 34-2, and 34-3 and portions of units 1-2, 3-1, 7-1, 9-3, 11-1, 12-1, 12-2, 17-3, 19-2, 23-1, 23-4, 23-5, 25-2, 25-3, and 26-1 as shown on Exhibit A shall be conducted between March 1 and July 15 of the same calendar year, both days inclusive. This restriction will not apply if it can be shown from northern spotted owl protocol surveys conducted in accordance with accepted standards, as approved by the Contracting Officer, that northern spotted owl nesting and/or fledging activities are not occurring during the year and/or time of harvest. This restriction may be extended if it can be shown from northern spotted owl protocol surveys that owls are nesting.

21) L-22 During logging operations, the Purchaser shall keep the 39-5-6.0, 39-5-14.0, 39-5-18.1, 39-6-11.0, and 39-6-36.0 roads where the road passes through the contract area, clear of trees, rock, dirt, and other debris so far as is practicable. The road shall not be blocked by such operations for more than twenty (20) minutes.

22) L-24 Before cutting and removing any trees necessary to facilitate logging in the harvest units shown on Exhibit A, the Purchaser shall identify the location of the temporary roads, skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding with cutting the following conditions must be met:

(a) All temporary roads, skid roads, and/or cable yarding roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contact 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 temporary road running surface shall be limited to sixteen (16) feet, the clearing limit width of each temporary road shall be limited to fifty (50) feet, and the width of each skid road, and/or cable yarding road shall be limited to twelve (12) feet.

(b) The Purchaser may immediately cut and remove additional timber to clear temporary roads, skid roads, and cable yarding roads; and provide tailhold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with paint (color to be determined at pre-work) 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 Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this provision unless sufficient installment payments have been

made in accordance with Section 3.(b). 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 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 of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.

(f) The Government may reserve trees previously designated for cutting and removal **in all units as shown on Exhibit A** by blacking out blue paint, and/or applying orange or pink paint as replacements for additional trees cut and removed for temporary roads, skid roads, and/or cable yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescriptions. The volume of this timber to be reserved will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and the value shall be based on the unit prices shown in Exhibit B of the contract. The Purchaser agrees that the Total Purchase Price shall be reduced accordingly through a unilateral modification to the contract executed by the Contracting Officer.

23) L-32 In all harvest units, as shown on Exhibit A, the Purchaser shall create snags via girdling, or other method as approved by the Authorized Officer. The total number of snags to create per unit is listed below. A total of one thousand one hundred twenty-two (1,122) snags shall be created in the Late-Successional Reserve (LSR) and Riparian Reserve (RR) portion of units. Of this total, one-half (½) of the snags required in each unit shall be greater than ten (10) inches diameter at breast height outside bark and one-half (½) of the snags required in each unit shall be greater

than twenty (20) inches diameter at breast height outside bark. All snags created shall come from reserve marked trees (including hardwoods) as described in Section 43(A)(AR-1), Section 43(D)(IR-1), or Section 43(G)(IR-13) and shall be distributed in a variety of spatial patterns including aggregated groups and individual trees. No adjustments of volume or value shall be made to meet these requirements. The Purchaser shall tally all girdled trees by diameter class and species per unit. At the end of girdling operations a completed tree tally shall be submitted to the Authorized Officer. The Purchaser shall not create snags in locations that may be hazardous to roads.

UNIT	Total # of snags to create in LSR	Total # of snags to create in RR	Total # of snags to create in the Unit
1-2	36	2	38
3-1	52	2	54
3-3	113	1	114
7-1	13	1	14
9-3	28	0	28
11-1	28	0	28
12-1	27	1	28
12-2	46	0	46
12-3	18	0	18
12-5	47	1	48
13-2	36	2	38
17-1	23	1	24
17-2	40	2	42
17-3	68	28	96
17-4	2	0	2
19-1	88	0	88
19-2	81	1	82
23-1	26	0	26
23-4	17	1	18
23-5	22	0	22
25-1	50	0	50
25-2	16	2	18
25-3	8	0	8
25-4	16	6	22
25-5	14	2	16
26-1	60	0	60
31-2	25	3	28
34-1	10	0	10
34-2	9	1	10
34-3	46	0	46
Total	1,065	57	1,122

24) L-33 Purchaser's operations shall facilitate BLM's safe and practical inspection of Purchaser's operations and BLM's conduct of other official duties on the Contract Area. Purchaser has all responsibility for compliance with safety requirements for Purchaser's employees, contractors and subcontractors.

In the event that the Authorized Officer identifies a conflict between the requirements of this contract or agreed upon methods of proceeding hereunder and State or Federal safety requirements, the contract may be modified. If the cost of such contract modification is of a substantial nature ($2,000.00 or more), the Purchaser may request, in writing, an adjustment in the Total Actual Purchase Price specified in Section 2 of the timber sale contract, as amended, to compensate for the changed conditions.

Unless otherwise specified in writing, when operations are in progress adjacent to or on roads and/or trails in the harvest unit area, Purchaser shall furnish, install, and maintain all temporary traffic controls that provide the road or trail user with adequate warning of and protection from hazardous or potentially hazardous conditions associated with its operations. Purchaser shall prepare a Traffic Control Plan, which the Purchaser has determined is compliant with state and local OSHA and Transportation standards no later than the pre-work meeting and prior to commencing operations. Traffic control devices shall be appropriate to current operating and/or weather conditions and shall be covered or removed when not needed., Flagmen and devices shall be as specified in state OSHA and Transportation standards for logging roads or the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD) published by the U.S. Department of Transportation - Federal Highway Administration. Included in the Traffic Control Plan, Purchaser shall note traffic control device locations on a Purchaser produced copy of the contract Exhibit "A" Map.

(B) ROAD CONSTRUCTION, MAINTENANCE, AND USE

1) R-1 The Purchaser shall construct, improve, renovate, and/or decommission all roads described in Provision R-2 in strict accordance with the plans and specifications shown on Exhibits C and D, which is attached hereto and made a part hereof.

2) R-1a Any required construction, improvement, or renovation of structures and roads shall be completed and accepted, in accordance with Section 18, prior to the removal of any timber, except right-of-way timber, over that road.

3) R-1b The Purchaser shall construct, use, and decommission (long-term closure) temporary roads TR 03-03B, TR 12-05, TR 17-01, TR 17-02A, TR 17-03A, TR 26-01A, TR 26-01B, TR 26-01E, and TR 34-03 by October 15th of the same respective operating season. If temporary roads are used over two dry seasons, temporary roads must be winterized by October 15th.

4) R-1c The Purchaser shall construct all temporary roads in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof. The

Purchaser shall not commence any road construction work until receipt of written notice to do so from the Authorized Officer.

5) R-1d Prior to completion and approval of sub-grade construction from all proposed road construction, temporary road construction, and temporary road reconstruction, as shown on Exhibit C, all logs shall be removed from the designated right-of-way.

6) R-2 The Purchaser is authorized to use the roads listed below and shown on Exhibit D for the removal of Government timber sold under the terms of this contract, provided the Purchaser pay the required maintenance and rockwear obligations described in Provision R-2d. Any roads listed on Exhibit D, and requiring construction, improvement, or renovation in Exhibit C of this contract, shall be maintained by the Purchaser until receiving written acceptance of the construction, improvement, or renovation from the Contracting Officer. The Purchaser shall pay current Bureau of Land Management maintenance and rockwear fees for the sale of additional timber hauled over BLM maintained roads, as well as pay current rockwear fees for the sale of additional timber hauled over Purchaser maintained rocked roads under a modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type	Maintenance Responsibility
37-6-36.00 J	0.19	BLM	AGG	Purchaser
39-5-06.00 A-E	6.96	BLM	BST	BLM
39-5-06.02 A	0.90	BLM	AGG	Purchaser
39-5-07.00 A-C2	2.92	BLM	AGG	Purchaser
39-5-07.01	0.71	BLM	AGG	Purchaser
39-5-14.00 A	1.34	BLM	BST	BLM
39-5-17.00	1.08	BLM	AGG	Purchaser
39-5-17.03	0.07	BLM	AGG	Purchaser
39-5-17.04	0.94	BLM	AGG	Purchaser
39-5-17.05	0.05	BLM	AGG	Purchaser
39-5-17.06	0.28	BLM	AGG	Purchaser
39-5-18.01 A-D	3.80	BLM	BST	BLM
39-5-19.00 A	1.25	BLM	AGG	Purchaser
39-5-19.00 B	0.36	CF1 Exchange, LLC	AGG	Purchaser
39-5-19.00 C	0.15	BLM	AGG	Purchaser
39-5-19.02	1.12	BLM	AGG	Purchaser
39-5-19.04	0.31	BLM	AGG	Purchaser

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type	Maintenance Responsibility
39-5-19.05	0.16	BLM	AGG	Purchaser
39-5-19.06	0.27	BLM	AGG	Purchaser
39-5-19.07	0.10	BTG Pactual	NAT	Purchaser
39-5-22.00 A-B	4.42	BLM	AGG	BLM
39-5-27.02	0.03	BLM	AGG	Purchaser
39-5-31.01	0.07	BLM	AGG	BLM
39-5-34.00	0.59	BLM	AGG	Purchaser
39-5-34.01	0.15	BLM	AGG	Purchaser
39-6-01.00	0.49	BLM	AGG	Purchaser
39-6-01.01	0.26	BLM	NAT	Purchaser
39-6-02.02	0.89	BLM	NAT	Purchaser
39-6-03.00	1.74	BLM	AGG	Purchaser
39-6-09.02	0.95	BLM	NAT	Purchaser
39-6-11.00 A-D	7.49	BLM	AGG	BLM
39-6-11.03	0.16	BLM	AGG	Purchaser
39-6-12.01	0.66	BLM	AGG	Purchaser
39-6-12.02	0.22	BLM	AGG	Purchaser
39-6-12.03	0.16	BLM	AGG	Purchaser
39-6-12.04	0.13	BLM	AGG	Purchaser
39-6-23.00	0.31	BLM	AGG	Purchaser
39-6-23.02	0.23	BLM	AGG	Purchaser
39-6-25.00 A	0.61	BLM	AGG	Purchaser
39-6-25.01	0.76	BLM	AGG	Purchaser
39-6-25.04 A	0.30	BLM	NAT	Purchaser
39-6-25.04 B	0.30	John Hancock Life Insurance Company	NAT	Purchaser
39-6-25.04 C-D	0.53	BLM	NAT	Purchaser
39-6-25.05	0.16	BLM	AGG	Purchaser
39-6-25.05	0.10	BLM	NAT	Purchaser
39-6-26.00 A	0.44	Ivan Barsukoff	NAT	Purchaser

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type	Maintenance Responsibility
39-6-26.00 B	0.27	BLM	NAT	Purchaser
39-6-36.00 A-B	1.27	BLM	BST / AGG	BLM
FS 4609-940	0.18	Forest Service	NAT	Purchaser
TR 03-03B	0.33	BLM	NAT	Purchaser
TR 12-05	0.37	BLM	NAT	Purchaser
TR 17-01	0.07	BLM	NAT	Purchaser
TR 17-02A	0.23	BLM	NAT	Purchaser
TR 17-03A	0.18	BLM	NAT	Purchaser
TR 26-01A	0.12	BLM	NAT	Purchaser
TR 26-01B	0.03	BLM	NAT	Purchaser
TR 26-01E	0.04	BLM	NAT	Purchaser
TR 34-03	0.11	BLM	NAT	Purchaser
TOTAL	**48.31**			

7) R-2a With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users of roads included in Provision R-2f of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of such roads resulting from wear or damage, in accordance with this contract. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.

8) R-2d The Purchaser shall pay a road maintenance fee of $0.82 per thousand board feet log scale per mile for the use of roads 39-5-06.00 A-D (portion), 39-5-06.00 E, 39-5-14.00 A, 39-5-18.01 A-D, and 39-6-36.00 A (portion), the Purchaser shall pay a road maintenance fee of $1.45 per thousand board feet log scale per mile for the use of road 39-5-06.00 D (portion), the Purchaser shall pay a road maintenance fee of $0.74 per thousand board feet log scale per mile for the use of roads 39-5-22.00 A-B, 39-5-31.01, 39-6-11.00 A-B (portion), 39-6-11.00 B-D (portion), and 39-6-36.00 A-B, and the Purchaser shall pay a road maintenance fee of $0.96 per thousand board feet log scale per mile for the use of road 39-6-11.00 B (portion) for roads maintained by the Bureau of Land Management. The Purchaser shall also pay a rockwear fee of $0.95 per thousand board feet log scale per mile for the use of all aggregate surfaced roads maintained by the Bureau of Land Management or the Purchaser within the sale area. **The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer.** The total maintenance fee due shall be based upon volumes determined pursuant to Exhibit B of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber

purchased under this contract, together with an estimate of the volume to be hauled over such roads. The Authorized Officer shall establish an installment schedule of payment of the maintenance obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total maintenance payments made under this contract exceed the total maintenance and rockwear payment due, such excess shall be returned to the Purchaser after such determination is made.

9) R-2e The Contracting Officer may at any time, by written notice, terminate the Purchaser's operator road maintenance obligations and require instead payment of current Bureau of Land Management road maintenance and rockwear fees for the particular surface type of the roads involved. These fees will be applied to the remaining contract volume on the sale area, as determined by the Authorized Officer, to be transported over the roads listed in Provision R-2. If the total road maintenance and rockwear fee does not exceed five hundred and no/100 dollars ($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 and no/100 dollars ($500.00), the Authorized Officer shall establish an installment schedule of payments of the maintenance and rockwear obligation(s).

10) R-2f The Purchaser shall perform any required road repair and maintenance work on roads identified as Purchaser maintenance, under the terms of Exhibit D, Road Maintenance Specifications, of this contract, which is attached hereto and made a part hereof.

11) R-3 In the use of Road No. 39-5-19.00 B, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-1182, between the United States of America and CF1 Exchange, LLC. This document is available for inspection at the Medford District Office.

These conditions include:

(a) Execution and compliance with the terms and conditions identified in the License Agreement between the Purchaser and Cf1 Exchange, LLC.

(b) Payment of a road use obligation of zero and 00/100 dollars ($0.00) to CF1 Exchange, LLC, payable at the time indicated on the License Agreement.

(c) Payment of a rockwear obligation of ninety five and 76/100 dollars ($95.76) to CF1 Exchange, LLC, payable at the time indicated in the License Agreement. For any additional timber, the Purchaser shall also pay a rockwear fee of $0.95 per thousand board feet log scale per mile for the use of all aggregate surfaced roads indicated in the License Agreement.

(d) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.

(e) Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this

provision.

12) R-3 In the use of Road No. 39-5-19.07, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-1166/M-1166A, between the United States of America and BTG Pactual PNW Fund IV REIT, Inc. This document is available for inspection at the Medford District Office.

These conditions include:

(a) Execution and compliance with the terms and conditions identified in the License Agreement between the Purchaser and BTG Pactual PNW Fund IV REIT, Inc.

(b) Payment of a road use obligation of zero and 00/100 dollars ($0.00) to BTG Pactual PNW Fund IV REIT, Inc, payable at the time indicated in the License Agreement.

(c) Payment of a rockwear fee obligation of zero and 00/100 dollars ($0.00) to BTG Pactual PNW Fund IV REIT, Inc, for the estimated volume to be hauled, payable at the time indicated in the License Agreement.

(d) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.

(e) Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.

13) R-3 In the use of Road No. 39-6-25.04 B, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-1166/M-1166C, between the United States of America and John Hancock Life Insurance Company. This document is available for inspection at the Medford District Office.

These conditions include:

(a) Execution and compliance with the terms and conditions identified in the License Agreement between the Purchaser and John Hancock Life Insurance Company.

(b) Payment of a road use obligation of zero and 00/100 dollars ($0.00) to John Hancock Life Insurance Company, payable at the time indicated in the License Agreement.

(c) Payment of a rockwear fee obligation of zero and 00/100 dollars ($0.00) to John Hancock Life Insurance Company, for the estimated volume to be hauled, payable at the time indicated in the License Agreement.

(d) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.

(e) Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.

14) R-3 In the use of Road No. 39-6-26.00 A, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-1538, between the United States of America and Ivan Barsukoff. This document is available for inspection at the Medford District Office.

These conditions include:

(a) Execution and compliance with the terms and conditions identified in the License Agreement between the Purchaser and Ivan Barsukoff.

(b) Payment of a road use obligation to be determined at a later date once it is calculated to Ivan Barsukoff, payable at the time indicated in the License Agreement.

(c) Payment of a rockwear fee obligation of zero and 00/100 dollars ($0.00) to Ivan Barsukoff, for the estimated volume to be hauled, payable at the time indicated in the License Agreement.

(d) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.

(e) Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.

15) R-3a In the use of Road No. FS 4609-940, the Purchaser shall comply with the conditions of FS License Agreement No. ORM07-TS-2026.007, between the Bureau of Land Management and the Forest Service.

These conditions include:

(a) Payment of a road surface replacement obligation of zero and 00/100 dollars ($0.00) to the Forest Service, payable at the time indicated in the License Agreement.

(b) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.

(c) Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as

the amount of damage suffered by the Government as a result of the violation of this provision.

(d) Road maintenance and haul (all operations) by the Purchaser shall be in accordance with specifications set forth in the USFS Standard Road Maintenance Specifications for the Pacific Northwest Region and Commercial Road Use Rules and Road Use Permit Requirements (Rogue River – Siskiyou National Forest – August 2012).

(e) Purchaser shall have a pre-maintenance/pre-haul meeting with the Forest Service prior to beginning operations on Forest Service roads.

(f) Use of Forest Service controlled roads shall be limited to periods of dry weather and frozen subgrade conditions. Hauling during freeze-thaw conditions is not authorized. Normal operating season is June 1 to October 31. A snow plow permit shall be obtained from the Forest Service prior to the Purchaser conducting any snow plow operations.

16) R-3c The Purchaser agrees that if they elect to use any other private road, which is the subject of a right-of-way agreement with the Government for the removal of Government timber sold under the terms of this contract, the Purchaser shall request and agree to the modification of this contract to provide for such use and for allowances for amortization of the Government's share of the capital investment of any such road.

17) 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.

18) 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 tracked 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 Sec. 26 of this contract, the Purchaser shall restrict non-road, in unit, ground-based equipment used for harvesting, yarding, machine piling, and rehabilitation operations (including temporary routes and landings) to periods of low soil moisture (dry conditions). Low soil moisture varies by texture and is based on site-specific considerations. Generally, low soil moisture is determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks. Low soil moisture limits will be determined by the Authorized Officer. Ground-based equipment shall be allowed to operate when the ground is frozen or adequate snow exists to prevent soil compaction and displacement, as determined by the Authorized Officer.

2) E-1 In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall not haul on hydrologically connected natural surface or rocked roads: TR 03-03B, TR 12-05, TR 17-01, TR 17-02A, TR 17-03A, TR 26-01A, TR 26-01B, TR 26-01E, TR 34-03, FS4609-940, 39-5-6.2, 39-5-7.0, 39-5-7.1, 39-5-17.3, 39-5-17.4, 39-5-19.0, 39-5-19.2, 39-5-19.4, 39-5-19.5, 39-5-19.6, 39-5-19.7, 39-5-22.0, 39-5-27.2, 39-5-31.1, 39-5-34.0, 39-5-34.1, 39-6-1.0, 39-6-1.1, 39-6-2.2, 39-6-3.0 after the 39-6-9.2 junction, 39-6-9.2, 39-6-11.0, 39-6-12.1, 39-6-12.3, 39-6-25.4, and 39-6-26.0 and the 39-6-36.0 where surface is aggregate during conditions that would result in any of the following: surface displacement such as rutting or ribbons, continuous mud splash or tire slide, fines being pumped through road surfacing from the subgrade resulting in a layer of surface sludge, as directed by the Authorized Officer.

3) E-1 In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall not haul on all natural surface roads that receive one-half (½) inch or more precipitation within a twenty-four (24) hour period. Haul shall not resume for a minimum of forty-eight (48) hours following any storm event, or until road surface is sufficiently dry, as approved by the Authorized Officer. The Purchaser may elect, at their own expense, to apply rock surfacing to these roads to bring them up to wet weather haul standards, as approved by the Authorized Officer.

4) E-1 In addition to the requirement set forth in Section 26 of this contract, the Purchaser shall implement the following noxious weed control measures:

(a) In order to prevent the potential spread of noxious weeds into the Medford District BLM, the operator would be required to clean all logging, construction, chipping, grinding, shredding, rock crushing, and transportation equipment prior to entry on BLM lands.

(b) Cleaning shall be defined as removal of dirt, grease, plant parts, and material that may carry noxious weed seeds into BLM lands. Cleaning prior to entry onto BLM lands may be accomplished by using a pressure hose.

(c) Only equipment inspected by the BLM would be allowed to operate within the Analysis Area. All subsequent move-ins of equipment as described above shall be treated the same as the initial move-in.

(d) Prior to initial move-in of any equipment, and all subsequent move-ins, the operator shall make the equipment available for BLM inspection at an agreed upon location off Federal lands.

(e) Equipment would be visually inspected by the Authorized Officer to verify that the equipment has been reasonably cleaned.

(f) If work occurs in an area known to contain priority non-native invasive plants, equipment shall be cleaned before moving to another project area at a site designated by the Authorized Officer.

(g) Equipment and vehicles will avoid working within flagged non-native invasive plant sites, flagged with orange flagging labeled in black letters “NOXIOUS WEEDS”, as directed by the Authorized Officer.

5) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall only use certified weed-free straw and native seed species approved by the Authorized Officer for rehabilitation activities. Straw must be obtained from the BLM or purchased from growers certified by the Oregon Department of Agriculture’s Weed Free Forage and Mulch Program. Seeding shall occur from September 1 to March 31 of the following year. All seeding shall be contingent upon seed availability.

6) E-1 In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall implement the following noxious weed control measures:

Upon decommissioning and prior to fall rains, the Purchaser shall scarify landings (outside of the driving surface), temporary roads provide for adequate drainage, and utilized skid trails within two hundred (200) feet of streams and waterbodies as shown on Exhibit A, then stabilize and revegetate all bare soil with certified weed free straw mulch and a native seed mixture approved by the Authorized Officer. Landings on roads and rocky areas that lack soil for seed germination need not be scarified, seeded or mulched, as determined by the Authorized Officer. The BLM may

provide the seed mixture and straw mulch if the purchaser is unable to locate and buy the approved materials from a commercial source. The Purchaser shall reimburse the government for the cost of seed and straw, if provided by the government. The Purchaser shall furnish the specific seed mixture prescribed by the Authorized Officer, which will include up to 3 grasses and 2 forbs from the following list, but may include substitutions approved by the Authorized Officer:

Grasses: *Achnatherum lemmonii, Bromus carinatus, Brumus vulgaris, Elymus glaucus, Festuca californica, Festuca roemeri, Koeleria macrantha, Poa secunda, Vulpia microstachys*

Forbs: *Achillea millefolium, Clarkia purpurea, Clarkia homboidea, Collinsia grandiflora, Eriophyllum lanatum, Lupinus bicolor, Madia elegans, Madia gracilis*

The proportion of each species in the mixture shall be prescribed by the Authorized Officer. The Purchaser shall apply prescribed seed and straw mulch to acres designated for treatment, as directed by the Authorized Officer, at the following rates of application:

Grass seed	20 to 25 lbs/acre (cumulative, all species)
Forb seed	0.5 to 2 lbs/acre (cumulative, all species)
Straw mulch	1000 lbs/acre

The Purchaser shall apply seed and straw mulch between September 1 of one calendar year and March 31 of the following year. Deviations from that timing must be approved by the Authorized Officer. The Purchaser shall notify the Authorized Officer at least 5 days in advance of the date that he/she intends to commence revegetation and soil stabilization work.

If the Purchaser furnishes seed from any source other than the BLM, that seed shall meet the following minimum test standards:

Test	Grasses (%)	Forbs (%)
Purity:	95	80
Germination:	85	70
Other species/weed content (max):	0.2	0.2
Noxious weed content:	Prohibited	Prohibited

Furnished seed shall meet the minimum requirements for either Yellow Tag Source Identified Seed or Blue Tag Certified Class Seed, as defined by the Association of Official Seed Certifying Agencies. Seed source shall be approved by the Authorized Officer and shall be from the EPA Level III Ecoregion in which the project occurs. For each lot of seed, the Purchaser shall furnish the Authorized Officer a Seed Test result from a certified seed testing lab (e.g., Oregon State University), which shall include: test date; lot number; seed source; and results of test for purity, germination, and weed content. All seed lots must have been tested within the previous 12 months to be accepted. Seed that has become wet, moldy, or otherwise damaged shall not be accepted. Seed must be available to the Authorized Officer for inspection at least 5 days in advance of commencing revegetation work. If the Purchaser furnishes straw mulch from any source other than the BLM, the material must be from native grass or other approved sterile grain crops that are certified weed free and free of mold or other objectionable materials. Straw mulch shall be in an air-dry condition and suitable for spreading in a uniform manner. Straw mulch must be available to the Authorized Officer for inspection at least 5 days in advance of commencing revegetation work.

7) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall prepare a Spill Prevention, Control, and Countermeasure Plan (SPCC) for all hazardous substances to be used in the contract area, as directed by the Authorized Officer. Such plan shall include identification of Purchaser's representatives responsible for supervising initial containment action for releases and subsequent cleanup. Such plans must comply with the State of Oregon DEQ OAR 340-142, Oil and Hazardous Materials Emergency Response Requirements. All operators shall have a Spill Containment Kit (SCK) as described in the SPCC plan on-site during any operation with potential for run-off to adjacent waterbodies. The SCK shall be appropriate in size and type for the oil or hazardous material carried by the Purchaser.

8) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall not store any fuel or other petroleum products or refuel heavy mechanized equipment within one hundred fifty (150) feet of all riparian management or wet areas. The Purchaser shall not refuel or maintain handheld equipment such as drip torches and chainsaw within one hundred (100) feet of waterbodies. Portable pumps may be refueled onsite within a spill containment system. All Petroleum products shall be stored in durable containers and located so that any accidental releases will be contained and not drain into any stream system. Hydraulic fluid and fuel lines on heavy mechanized equipment would be in proper working condition in order to minimize potential for leakage into streams. Absorbent materials shall be onsite to allow for immediate containment of any accidental spills. Spilled fuel and oil shall be cleaned up and disposed of at an approved disposal site.

9) E-1 In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall prevent the delivery of chemical retardant foam or additives to waterbodies, and wetlands. Ignition devices/materials shall be stored and disposed of at least one hundred fifty (150) feet away from streams and wetlands.

10) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall not locate new landings in areas that contribute eroded fines to streams, wet areas, dry draws and swales. If these landing locations cannot be avoided, ensure that properly installed sediment control measures are placed and maintained, as needed, to keep eroded material onsite.

11) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall ensure that silt fencing or other sediment control measures are properly placed and maintained during use and periods of non-use when utilizing landings, skid trails, temp routes, or haul routes that have the potential to release eroded fines into a stream or wet area, directly or via draws or ditchlines. Any project-related activity would be suspended if conditions develop that cause a potential for sediment laden runoff to enter a wetland, floodplain or waters of the state. Operations can resume when sediment control devices are in place and conditions allow turbidity standards to be met.

12) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate temporary routes, landings, hydrologically connected corridors and skid trails and other areas of exposed soils by properly installing and/or using water bars, berms, sediment basins, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff and divert runoff water away

from stream channels, headwalls, slide areas, high landslide hazard locations or steep erodible fill slopes as directed by the Authorized Officer. Block temporary roads and skid trails.

13) E-1 In addition to the requirement set forth in Section 26 of this contract, the Purchaser shall fully decommission: all temporary roads and ground based skid trails utilized within two hundred (200) feet of streams and waterbodies as shown on Exhibit A; and temporary roads, ground based skid trails, and landings outside of the permanent road prism, within ground-based yarding areas **as needed to achieve no more than twenty (20) percent detrimental soil compaction within the unit**, as directed by the Authorized Officer, by one of the following methods:

(a) If the Authorized Officer deems subsoiling will not cause unacceptable damage to the root systems of residual trees the Purchaser shall discontinuously subsoil, simultaneously water bar, seed, mulch, and barricade. Subsoil to a depth of twelve (12) inches, and no further than thirty-six (36) inches apart. If the Authorized Officer deems subsoiling to this depth will cause an unacceptable amount of damage to the root system of residual trees, the Purchaser shall scarify to a depth of up to six (6) inches and simultaneously water bar, seed, mulch, and barricade.

(b) All rehabilitation shall occur within eighteen (18) months of harvest, during dry conditions.

(c) The Purchaser shall simultaneously water bar, seed, mulch, and barricade all temporary roads.

14) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall place material removed during excavation in locations where it cannot enter streams or other water bodies.

15) E-2 The water bars to be constructed as required by Sec. 26(c) shall be constructed in accordance with the spacing described in the table below and to the specifications shown on Exhibit C which is attached hereto and made a part hereof.

Gradient (Percent)	Water Bar Spacing By Erosion Class		
	High (Feet) – All Units Except 13-2, 19-1, & 23-4	Moderate (Feet) – Units 19-1 & 23-4	Low (Feet) – Unit 13-2
2-5%	200	300	400
6-10%	150	200	300
11-15%	100	150	200
16-20%	75	100	150
21-35%	50	75	100
36+%	50	50	50

16) E-5 The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year in which operations are expected to take place on the contract area between March 1 and September 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, felling, bucking, yarding, road construction, or any other activity with the potential to disturb nesting northern spotted owls may not be allowed during this time period.

Upon receipt of a notice that the Purchaser expects to perform such operations during this time period, the Government will conduct surveys to determine whether owls are nesting within 0.25 miles of the harvest units. If it is determined owls are not nesting or that no young have been produced, the Authorized Officer may lift the seasonal restriction on such operations in writing. Without this approval, such operations are prohibited from March 1 through July 15 of each year.

17) E-7 In order to prevent the spread of *phytophthora lateralis* (Port-Orford-cedar root disease), the Purchaser shall steam clean or pressure wash all vehicles and equipment as directed by the Authorized Officer in accordance with the requirements shown on Exhibit P.

(D) FIRE PREVENTION

1) F-1 Fire Prevention and Control. Primarily for purposes of fire prevention and control, the Purchaser shall, prior to the operation of power-driven equipment in construction or logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the of the Authorized Officer.

2) 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 during any 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 Authorized Officer and 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:

1. F-2a Firefighting tools shall be kept at each landing or at such other place as the Authorized Officer shall designate whenever employees are working on the contract area. All firefighting tools shall be kept in a sturdily constructed box which shall be painted red and lettered on the front or top in large letters, "For Fire Only." The box shall have a hinged lid and a hasp by which the lid can be sealed. One box may serve two landings not over six hundred (600) feet apart. When filled, the box shall not weigh over two hundred (200) pounds. The fire tools shall be in good condition, be tight on strong handles, and have sharp cutting edges. There shall be not less than four (4) tools in each box nor less than one (1) tool for each employee working on the contract area. Three-fourths (3/4) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.

2. F-2b At each landing or such other place as the Authorized Officer shall designate during periods of operation one (1) tank truck of three hundred (300) gallons or more capacity with a minimum of five hundred (500) feet of 1½ inch hose (must be adequate length to reach 200 feet beyond active work sites), six (6) 1½ inch wyes, six (6) 1½ inch to 1 inch reducers, three (3) 1½ inch nozzles and three (3) 1

inch nozzles. One (1) three hundred (300) gallon fire engine may be substituted for each required 300 gallon tank truck, provided that the total capability to pump and deliver water remains unchanged. Each fire engine / tank truck shall be equipped with a pump capable of delivering a minimum of forty (40) gallons per minute (gpm) water flow at one hundred fifty (150) pounds per square inch (psi) engine pressure through fifty (50) feet of 1½ inch fire hose. The pump may be either power take off driven or truck-mounted auxiliary engine driven, or portable. All equipment shall be acceptable to and approved by the Authorized Officer and shall conform to the standards set forth in Oregon Revised Statutes 477.645 through 477.670. All hose couplings shall have the standard thread adopted by the BLM (1 ½ inches National Hose Thread (NH), 1 inch National Pipe Straight Hose Thread (NPSH) or be provided with suitable adapters. At the close of each working day, all bulldozers and fire/tank trucks shall be filled with fuel and made ready for immediate use. All fire/tank trucks shall be filled with water and made available for immediate use.

3. F-2c Serviceable cell phone or radio equipment able to provide prompt and reliable communication between the contract area, Medford BLM District Office and Oregon Department of Forestry. Such communication shall be available during periods of operation including the time watchman service is required.

4. F-2d A pair of headlights capable of being quickly attached to each bulldozer used on the contract area. The headlights shall be adequate to provide illumination sufficient to allow use of the bulldozers for firefighting and construction of fire lines at night.

5. F-2f A headlamp for each employee in the woods crew adequate to provide sufficient illumination for night firefighting. A headlight shall be of the type that can be fastened to the head so as to allow independent use of the hands. At least one extra set of batteries shall be provided for each such headlight.

6. F-2f Two (2) back-pack pumps at each landing and one (1) at each tail block, all to be kept full of water and in good operating condition.

7. F-2g A chemical fire extinguisher of at least eight (8) ounces minimum capacity of a type approved by the Authorized Officer and a size 0 or larger shovel shall be carried during the closed fire season or periods of fire danger by each falling crew and each bucker using a power saw on the contract area. Such fire extinguisher shall be filled and in effective operating condition and shall at all times be immediately available to the operator when the saw is being fueled or the motor of the saw is running. Any fueling of a power saw shall be done in an area which has first been cleared of all flammable material. Power saws shall be moved at least twenty (20) feet from the place of fueling before the engine is started. Each power saw shall be equipped with an exhaust system and a spark arresting device which are of types approved by the Authorized Officer.

(c) F-5 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.

3) F-9 During Oregon Department of Forestry regulated use closure, no smoking shall be permitted outside of closed vehicles.

(E) SLASH DISPOSAL

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 measures required by this contract:

(a) SD-1a Lop and scatter all slash in units 9-3, 11-1, 17-2, 17-4, 19-2, 23-1, 23-5, 25-3, 25-5, 34-1, 34-2, and 34-3; lop and scatter all slash outside of skips in units 12-2, 12-3, 19-1, and 25-1; and lop and scatter all slash that is not designated for machine piling and/or hand piling in units 1-2, 3-1, 3-3, 12-1, 12-5, 13-2, 23-4, 25-2, 25-4, 26-1, and 31-2, as shown on Exhibit S. All top and side branches must be free of the central stem so that such stem is reduced to the extent that it is within eighteen (18) inches of the ground at all points. Slash includes all woody material (brush, limbs, tops, unmerchantable stems, or chunks) severed, uprooted, or broken from live plants as a result of Purchaser's operations under the terms of this contract. Lop and scatter shall be completed in accordance with Exhibit S as directed by the Authorized Officer.

1. All slash shall be arranged in a discontinuous pattern across the forest floor.

2. All slash shall be lopped to no more than eight (8) feet in length.

(b) SD-1b Machine pile, cover, and burn all slash in unit 7-1 and machine pile, cover, and burn all slash that is not designated for hand piling and/or lop and scatter in units 3-3, 12-5, 13-2, 17-1, 17-3, 23-4, 25-2, 26-1, and 31-2, as shown on Exhibit S. Slash shall be piled by machine. Piling shall be completed in accordance with Exhibit S as directed by the Authorized Officer. Finished piles shall be tight and free of earth.

1. The BLM and the USWFS will prepare a fire burn plan. Smoke clearance shall be obtained by the BLM and the USWFS the day prior to planned ignition for all burn units.

2. Slash includes all woody material (brush, limbs, tops, unmerchantable stems, or chunks) severed, uprooted, or broken from live plants as a result of Purchaser's operations under the terms of this contract. Do not pile pieces of slash with a diameter greater than twelve (12) inches.

3. All equipment shall be approved by the Authorized Officer. Piling shall be accomplished using a track mounted hydraulic excavator or equivalent with at least a five (5) tooth brush rake. The excavator shall have a minimum reach of twenty (20) feet. The excavator shall be equipped with a hydraulic thumb or rotating controllable grapple head. Finished piles shall be tight and free of dirt and other non-woody debris.

4. Piles shall be less than sixteen (16) feet in height and width.

5. Machine piling operations are limited to slopes less than thirty five (35) percent slope when using non-specialized equipment (without a self-leveling cab) or to slopes less than fifty (50) percent slope when using specialized equipment (with a self-leveling cab); and to seasonal restrictions as described in Sec. 44(A)(16)(L-19), Sec. 44(A)(17)(L-19), and Sec. 44(A)(20)(L-19) and dry conditions as described in Sec. 44(C)(1)(E-1). All areas that are identified in Exhibit A as ground-based yarding that cannot be machine piled would be hand piled.

6. Machine piles shall be constructed as compactly as possible. There should be an adequate supply of fine fuels located within and under the covered area of the pile to ensure ignition of the larger fuels. Completed piles shall be free of projecting limbs or slash which would interfere with adequate covering of the piles.

7. Machine piles shall be adequately covered with a cap of ten (10) feet by ten (10) feet of four (4) mil polyethylene sheeting. The polyethylene sheeting shall be held in place with woody debris or tied with rope or twine to ensure coverage. Coverage shall be completed when piles are constructed, or as directed by the Authorized Officer.

8. Machine piles shall not be placed within fifteen (15) feet of snags, stumps, reserve trees or large woody debris.

9. Machine piles will be burned in the fall to spring season after one (1) or more inches of precipitation have occurred.

10. The Purchaser is required to furnish the fuel and equipment for machine pile burning.

(c) SD-1c Hand pile, cover, and burn all slash outside of skips that is not designated for machine piling and/or lop and scatter in units 1-2, 3-1, 3-3, 12-1, 12-5, 17-1, 17-3, 25-2, 25-4, 26-1, and 31-2, as shown on Exhibit S. Slash shall be piled by hand. Finished piles shall be tight and free of earth.

1. The BLM and the USWFS will prepare a fire burn plan. Smoke clearance shall be obtained by the BLM and the USWFS the day prior to planned ignition for all burn units.

2. Slash includes woody material (brush, limbs, tops, unmerchantable stems, or chunks severed, uprooted, or broken from live plants as a result of Purchaser's operations under the terms of this contract.

3. Hand pile all slash which is between one (1) and six (6) inches in diameter on the large end and exceeds two (2) feet in length, or as directed by the Authorized Officer.

4. Hand piles shall be covered with a large enough piece of four (4) mil polyethylene sheeting to ensure a dry ignition spot, generally five (5) feet by five (5) feet or large enough to cover eighty (80) percent of the pile.

5. Hand piles shall not be placed adjacent to or within ten (10) feet of leave trees or large woody debris.

6. Hand piles shall not be located on roadways, turnouts, shoulders, or cut banks, unless authorized by the Authorized Officer.

7. Burning of hand piles would occur after a sufficient period of curing (generally over a year) and adequate seasonal moisture.

(d) SD-1f Within twenty (20) feet of the edge of each landing pile, all tops, broken pieces, limbs and debris more than one (1) inch in diameter at the large end and longer than two (2) feet in length shall be piled within fourteen (14) days of completion of hauling logs from that landing. Landing piles shall be kept free of dirt and located off of the driving surface of roads and at least fifteen (15) feet from any Reserve Tree and/or as directed by the Authorized Officer.

Upon completion of landing piling, the Purchaser shall remove flammable material around each landing pile down to bare mineral soil to prevent escaped fire. Landing piles shall be less than sixteen (16) feet in height and width. Cover piles with large enough piece of four (4) mil polyethylene sheeting to ensure a dry ignition spot, **at least ten (10) foot by ten (10) foot.** The Purchaser is required to furnish the covering materials. The timing of this covering work shall be in accordance with instructions from the Authorized Officer. 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.

1. The BLM and the USWFS will prepare a fire burn plan. Smoke clearance shall be obtained by the BLM and the USWFS the day prior to planned ignition for all burn units.

2. Landing piles will be burned in the fall to spring season after one (1) or more inches of precipitation have occurred.

3. Landing piles will be burned within twenty-four (24) months of harvest completion.

If purchaser elects to set aside pole/firewood decks and not put the material in landing piles, the purchaser will be required to remove decks before the expiration of cutting rights. Material will be hauled off site for processing. The Authorized Officer will determine location of pole/hardwood decks.

(e) SD-1f. Cover and burn all roadside piles in units and landing piles in all units as shown on Exhibit S. Within twenty (20) feet of the edge of each pile, all tops, broken pieces, limbs and debris more than one (1) inch in diameter at the large end and longer than two (2) feet in length shall be piled within fourteen (14) days of completion of hauling logs from that landing. Roadside and Landing piles shall be kept free of dirt and located off of the driving surface of roads and at least fifteen feet (15) from any Reserve Tree and/or as directed by the Authorized Officer.

Upon completion of piling, the Purchaser shall remove flammable material around each roadside and/or landing pile down to bare mineral soil to prevent escaped fire. Roadside and Landing piles shall be less than sixteen (16) feet in height and width. Cover piles with large enough piece of four (4) mil polyethylene sheeting to ensure a dry ignition spot, **at least ten (10) foot by ten (10) foot**. The Purchaser is required to furnish the covering materials. The timing of this covering work shall be in accordance with instructions from the Authorized Officer. 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.

1. The BLM and the USWFS will prepare a fire burn plan. Smoke clearance shall be obtained by the BLM and the USWFS the day prior to planned ignition for all burn units.

2. Roadside piles will be burned in the fall to spring season after one (1) or more inches of precipitation have occurred.

3. Roadside piles will be burned within twenty-four (24) months of harvest completion.

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, and measures required in Sections 44(E)(1)(SD-1) and 44(E)(3)(SD-2). In accordance with written instruction to be issued by the Authorized Officer at least ten (10) days in advance of earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or his designated representative, assist in preparing units for burning, mop-up, and patrol by furnishing, at his own expense, the services of personnel and equipment on each unit as shown below.

All crews shall arrive on the project area with radios capable of inter-crew communications and communication with a BLM and/or a USWFS representative at a ratio of one (1) radio per every five (5) crew members.

(a) For igniting and burning machine piles in units 3-3, 7-1, 12-5, 13-2, 17-1, 17-3, 23-4, 25-2, 26-1, 31-2 and within the clearing limits of all permanent roads, temporary routes and Roadside Maintenance Units as shown on Exhibit S:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.

2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.

3. One (1) Wildland Fire Engine Boss.

4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

5. Six (6) drip torches.

6. Hand ignition with drip torches is required in machine pile units.

7. All ignition personnel will be directly supervised by a BLM and/or a USWFS representative.

(b) For mop-up of machine piles in units 3-3, 7-1, 12-5, 13-2, 17-1, 17-3, 23-4, 25-2, 26-1, 31-2 and within the clearing limits of all permanent roads, temporary routes and Roadside Maintenance Units as shown on Exhibit S:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.

2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with shovels, pulaskis, or scraping tool, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.

3. One (1) Wildland Fire Engine Boss.

4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose

and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

(c) For igniting and burning hand piles in units 1-2, 3-1, 3-3, 12-1, 12-5, 17-1, 17-3, 25-2, 25-4, 26-1, and 31-2, as shown on Exhibit S:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.

2. One (1) crew with ten (10) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.

3. One (1) Wildland Fire Engine Boss.

4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzles acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

5. Ten (10) drip torches.

6. Hand ignition with drip torches is required in pile burn units.

7. All ignition personnel will be directly supervised by a BLM and/or a USFWS representative.

(d) For mop up of hand piles in units 1-2, 3-1, 3-3, 12-1, 12-5, 17-1, 17-3, 25-2, 25-4, 26-1, and 31-2, as shown on Exhibit S:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.

2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with shovels, pulaskis, or scraping tool, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.

3. One (1) Wildland Fire Engine Boss.

4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

(e) For igniting and burning landing piles:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.

2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with shovels, pulaskis, or scraping tool, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.

3. One (1) Wildland Fire Engine Boss.

4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzles acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

(f) For mop-up landing piles:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.

2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with shovels, pulaskis, or scraping tool, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.

3. One (1) Wildland Fire Engine Boss.

4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

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: long sleeve natural fabric shirt, full length natural fabric trousers, minimum eight (8)-inch top leather boots, hardhat, and leather gloves. All personnel shall wear long pants and long sleeve shirts, lug-soled leather boots with minimum eight (8)-inch tall uppers that provide ankle support, approved hardhat, and leather gloves. On the day of ignition, clothing shall be of approved aramid fabric, Nomex™ or equivalent, and all personnel shall carry an approved fire shelter. Clothing shall be free of diesel fuel oil.

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.

Except as provided hereafter for fire escapement, the Purchaser shall continue the required assistance in mop up on each hand/machine piled unit and landing decks, four hundred fifty (450) hours as directed by the Authorized Officer within a 10 days beginning 8:00 a.m. the day following completion of ignition in that unit or until released from such services by the Authorized Officer, whichever occurs first.

In the event of a fire escapement, Purchaser's personnel and equipment shall, under supervision of the Authorized Officer, take action to suppress, including control and mop-up, the escaped fire until released from such service by the Government. If it becomes necessary to suppress a fire which escapes from the prescribed fire area for a period beyond midnight of ignition day, then the Government shall, at its option:

(a) reimburse Purchaser for such additional use of personnel and equipment at wage rates shown in the current Administratively Determined Pay Rates for Western Area and at equipment rates shown in current Oregon-Washington Interagency Fire Fighting Equipment Rental Rates schedule, until the Purchaser is released from such service by the Government, or+

(b) 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 (e.g., trail, road, stream, rock formation), the Government may permit the Purchaser to remove personnel for that day; provided that, all mop up work on the escaped fire area 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 by the Purchaser 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 personnel and equipment required herein, the Purchaser shall be responsible for all additional costs incurred by the Government in disposing of slash, including but not limited to the wages and other costs of providing federal employees and others as substitute labor force, the cost of providing substitute equipment, and appropriate additional overhead expenses. If the Purchaser's failure results in deferral of burning and new conditions necessitate additional site preparation work and/or use of additional personnel and equipment to accomplish planned burning, the Purchaser also shall be responsible for such additional costs.

3) SD-5 The Purchaser shall perform logging residue reduction on approximately five hundred ninety-three (593) acres of harvest area located in all units as shown on Exhibit S.

(a) The required work shall consist of any treatment or combination of treatments listed in the table below, as determined by the Authorized Officer and specified in writing by the Contracting Officer. The number of acres of each treatment shall be determined by the Authorized Officer.

Treatment	Treatment Description	Cost/Acre
Lop and Scatter	0-12 tons/acre	$52.00
Hand Pile and Cover	0-25 piles/acre	$599.00
Hand Pile Burn and Mop-up	0-25 piles/acre	$82.00
Machine Pile and Cover	Cost per acre	$605.00
Machine Pile Burn and Mop-up	0-20 piles/acre	$71.00
Cover and Burn Landing Decks	Cost per acre	$62.00
Cover and Burn Roadside Piles	Cost per acre	$62.00

(b) The following treatments were assumed for appraisal purposes on this contract:

Appraised Treatment	Acres	Cost/Ac.	Total Cost Per Treatment
Lop and Scatter	363.50	$52.00	$18,902.00
Hand Pile and Cover	56.00	$599.00	$33,544.00
Hand Pile Burn and Mop-up	56.00	$82.00	$4,592.00
Machine Pile and Cover	76.00	$605.00	$45,980.00
Machine Pile Burn and Mop-up	76.00	$71.00	$5,396.00
Cover and Burn Landing Decks	60.50	$62.00	$3,751.00
Cover and Burn Roadside Piles	37.00	$62.00	$2,294.00
Total Appraised Cost	**593**		**$114,459.00**

(c) The Total Purchase Price set forth in Section 2 shall be adjusted in a unilateral modification executed by the Contracting Officer by the amount that the total cost of the site preparation treatments designated pursuant to Section 44(E)(3)(SD-5)(a&b) differs from one hundred fourteen thousand four hundred fifty-nine and 00/100 dollars ($114,459.00), as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 44(E)(3)(SD-5)(a&b).

(d) Lop and scatter shall be done in accordance with Section 44(E)(1)(SD-1)(a)(SD-1a); Hand piling and burning shall be done in accordance with Section 44(E)(1)(SD-1)(c)(SD-1c) and Section 44(E)(2)(SD-2)(c&d); Machine piling and burning shall be done in accordance with Section 44(E)(1)(SD-1)(b)(SD-1b) and Section 44(E)(2)(SD-2)(a&b).

(F) BUYOUT SECURITIES

1) B-1 The Purchaser shall perform machine pile burning in accordance with Section 44(E)(1)(SD-1)(b)(SD-1b) and Section 44(E)(2)(SD-2)(a&b). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a buyout security deposit to the Bureau of Land Management in the amount of six thousand four hundred twenty-six and 10/100 dollars ($6,426.10), and upon making such deposit, the Purchaser shall be relieved of the obligations set out in this subsection. The Purchaser shall notify the Authorized Officer of their intention to make this deposit prior to the date of execution of this contract, and the Purchaser shall pay such amount in full prior to the commencement of operations.

2) B-1 The Purchaser shall perform hand pile burning in accordance with Section 44(E)(1)(SD-1)(c)(SD-1c) and Section 44(E)(2)(SD-2)(c&d). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a buyout security deposit to the Bureau of Land Management in the amount of five thousand four hundred sixty-eight and 61/100 dollars ($5,468.61), and upon making such deposit, the Purchaser shall be relieved of the obligations set out in this subsection. The Purchaser shall notify the Authorized Officer of their intention to make this deposit prior to the date of execution of this contract, and the Purchaser shall pay such amount in full prior to the commencement of operations.

3) B-1 The Purchaser shall perform landing pile burning in accordance with Section 44(E)(1)(SD-1)(d)(SD-1f) and Section 44(E)(2)(SD-2)(e&f). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a buyout security deposit to the Bureau of Land Management in the amount of four thousand four hundred sixty-seven and 7/100 dollars ($4,467.07), and upon making such deposit, the Purchaser shall be relieved of the obligations set out in this subsection. The Purchaser shall notify the Authorized Officer of their intention to make this deposit prior to the date of execution of this contract, and the Purchaser shall pay such amount in full prior to the commencement of operations.

4) B-1 The Purchaser shall perform roadside pile burning in accordance with Section 44(E)(1)(SD-1)(e)(SD-1f) and Section 44(E)(2)(SD-2)(a&b). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a buyout security deposit to the Bureau of Land Management in the amount of two thousand seven hundred thirty-one and 92/100 dollars ($2,731.92), and upon making such deposit, the Purchaser shall be relieved of the obligations set out in this subsection. The Purchaser shall notify the Authorized Officer of their intention to make this deposit prior to the date of execution of this contract, and the Purchaser shall pay such amount in full prior to the commencement of operations

(G) LOG EXPORTS

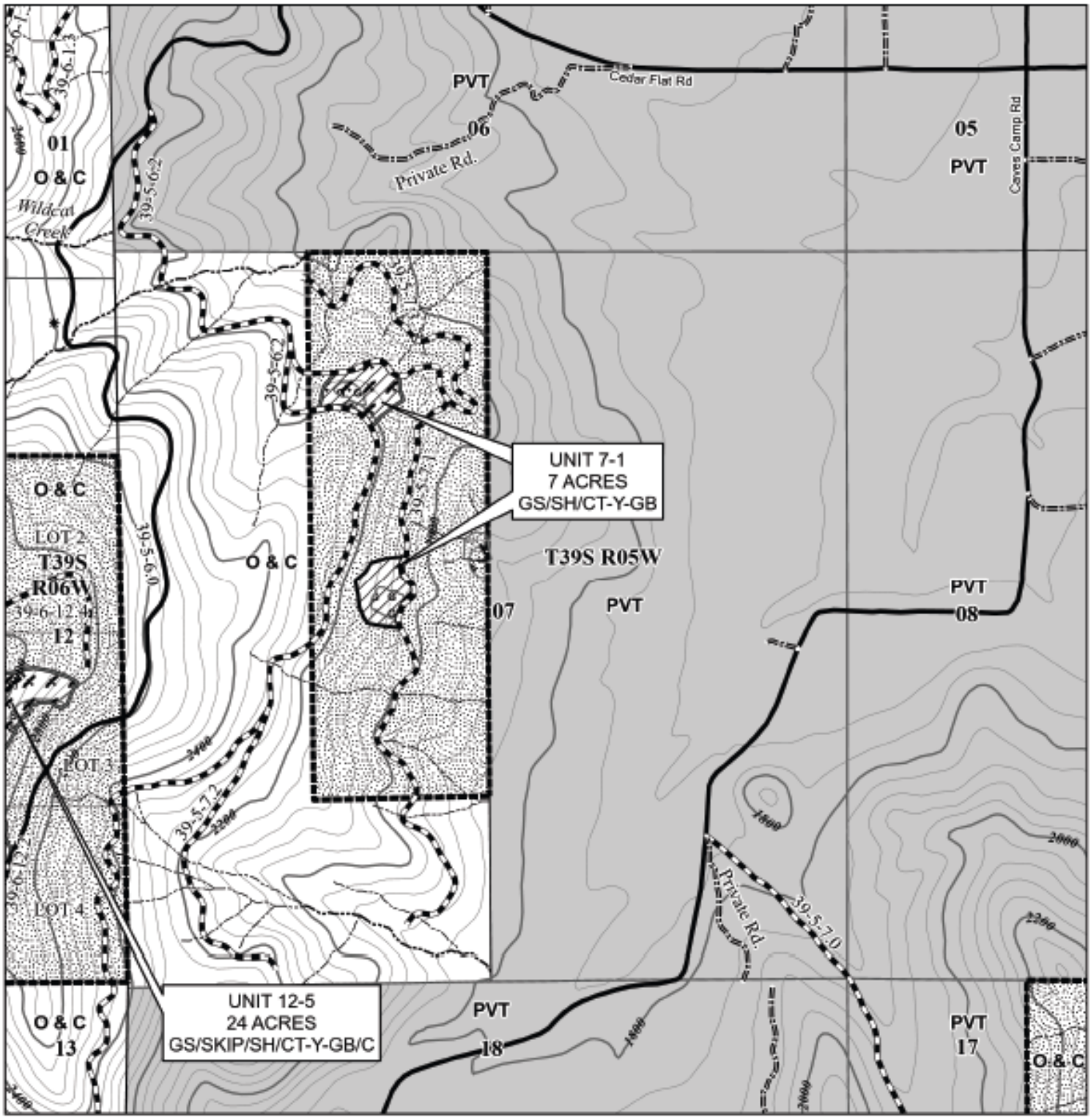
1) LE-1 Unless otherwise authorized in writing by the Contracting Officer, the Purchaser shall brand clearly and legibly one end of all logs with a scaling diameter (small end inside bark) of over 10 inches, prior to the removal of timber from the contract area. All loads of 11 logs or more will have a minimum of 10 logs clearly and legibly branded on one end regardless of the diameter of the logs. All logs will be branded on loads of 10 logs or less. One end of all branded logs to be processed domestically will be marked with a 3 square inch spot of highway yellow paint. The purchaser will stop trucks for accountability monitoring at mutually agreed upon locations when notified by the Authorized Officer.

   If multiple trailers (mule trains) are used, each bunked load shall be considered an individual load, and these guidelines will apply to each bunked load. If a flatbed stake trailer is used, each bundle will be treated as a separate load.

   At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. Any increased costs for log branding and painting shall be the responsibility of the Purchaser.

U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.5 W., SEC. 7 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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40 FOOT CONTOUR INTERVAL

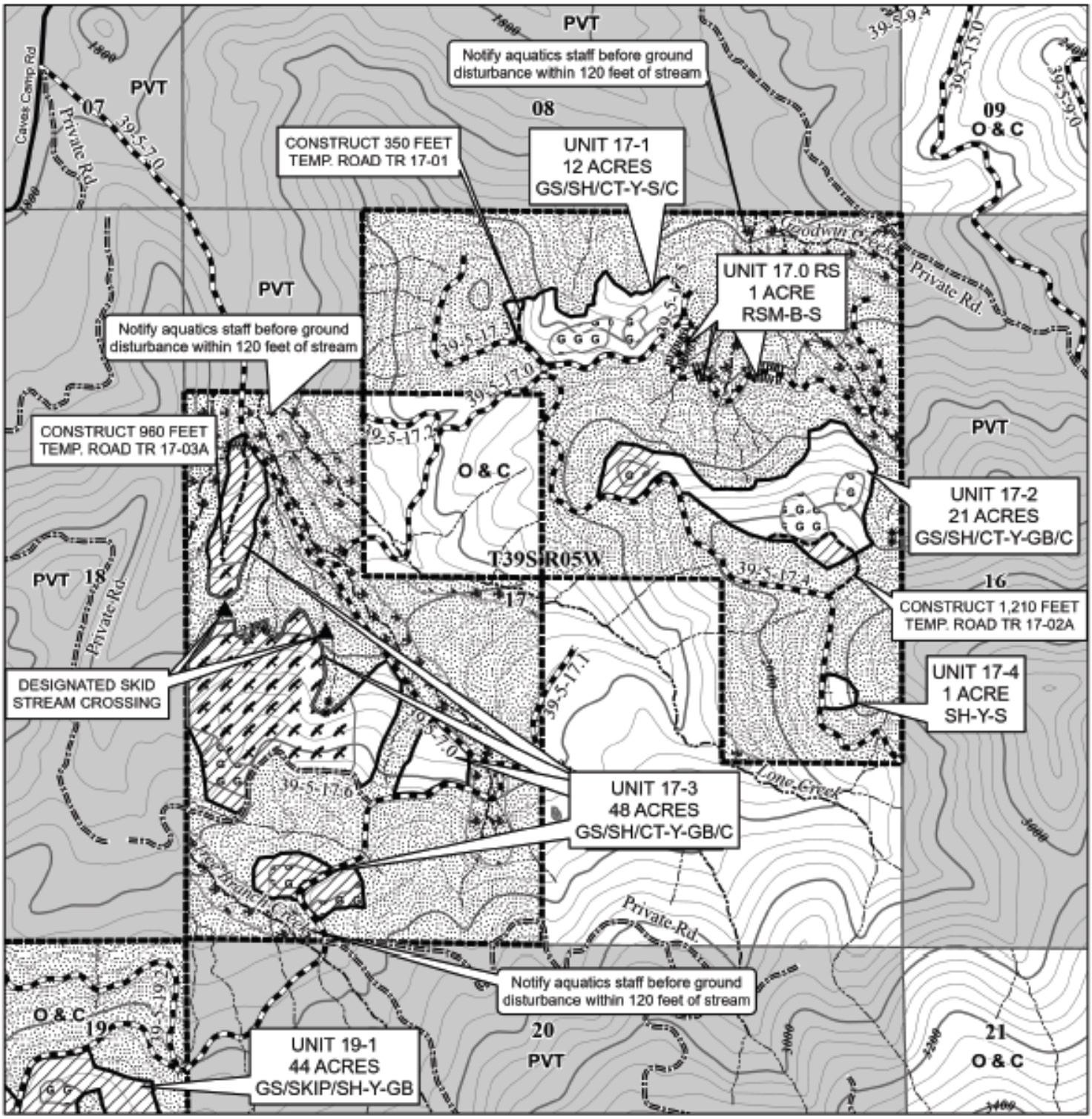
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.5 W., SEC. 17 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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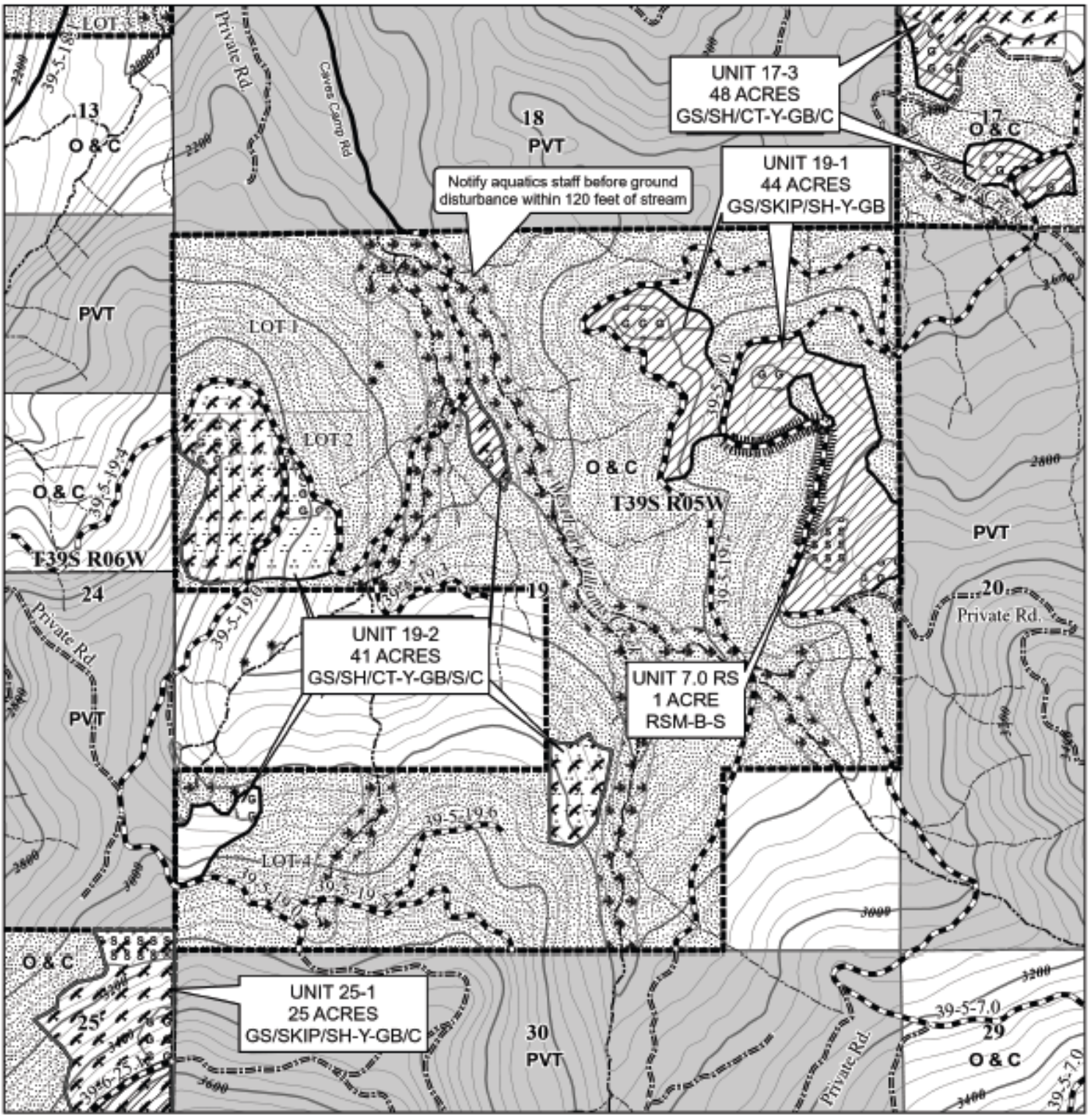
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.5 W., SEC. 19 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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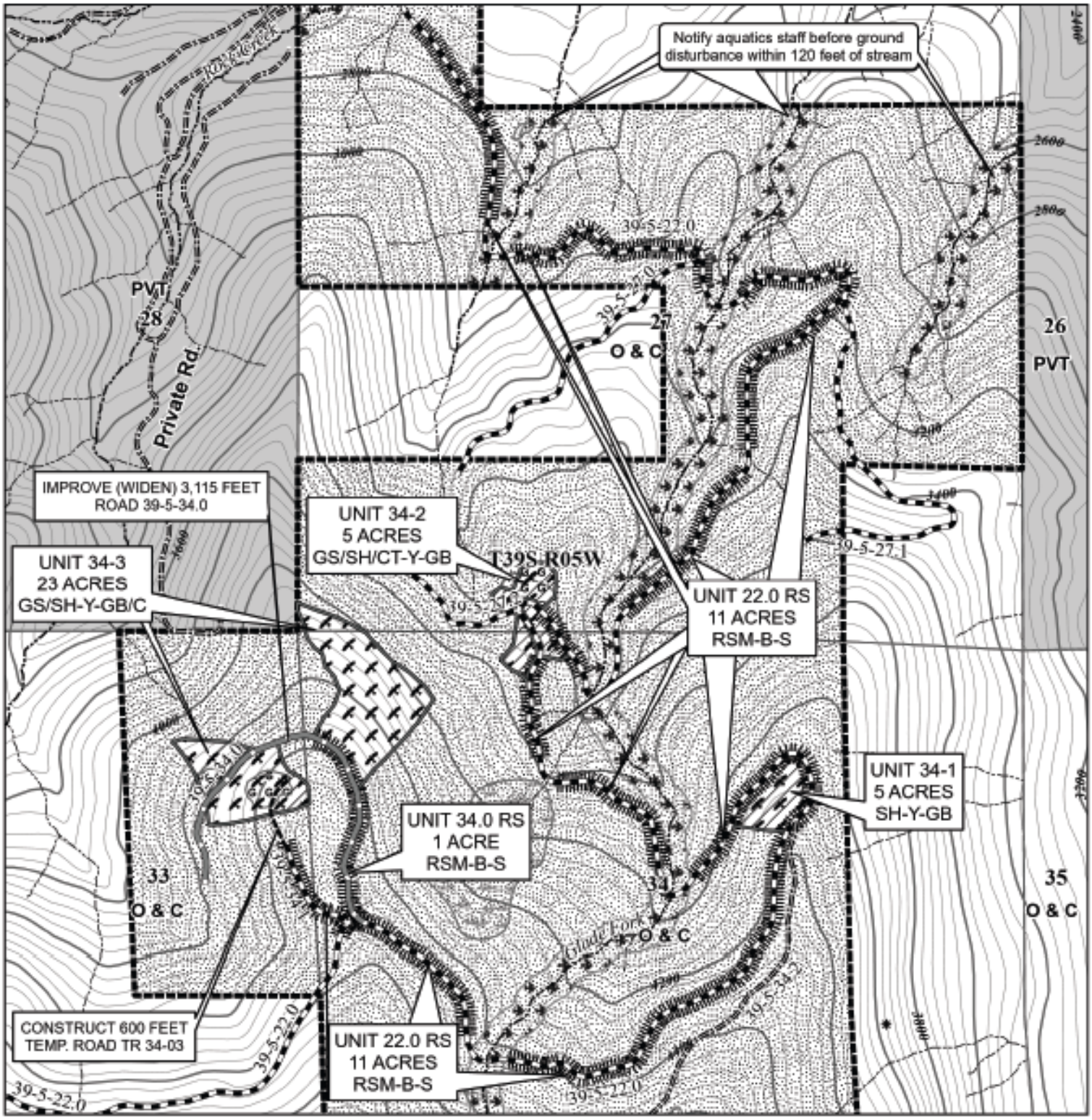
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.5 W., SEC. 27, 33, & 34 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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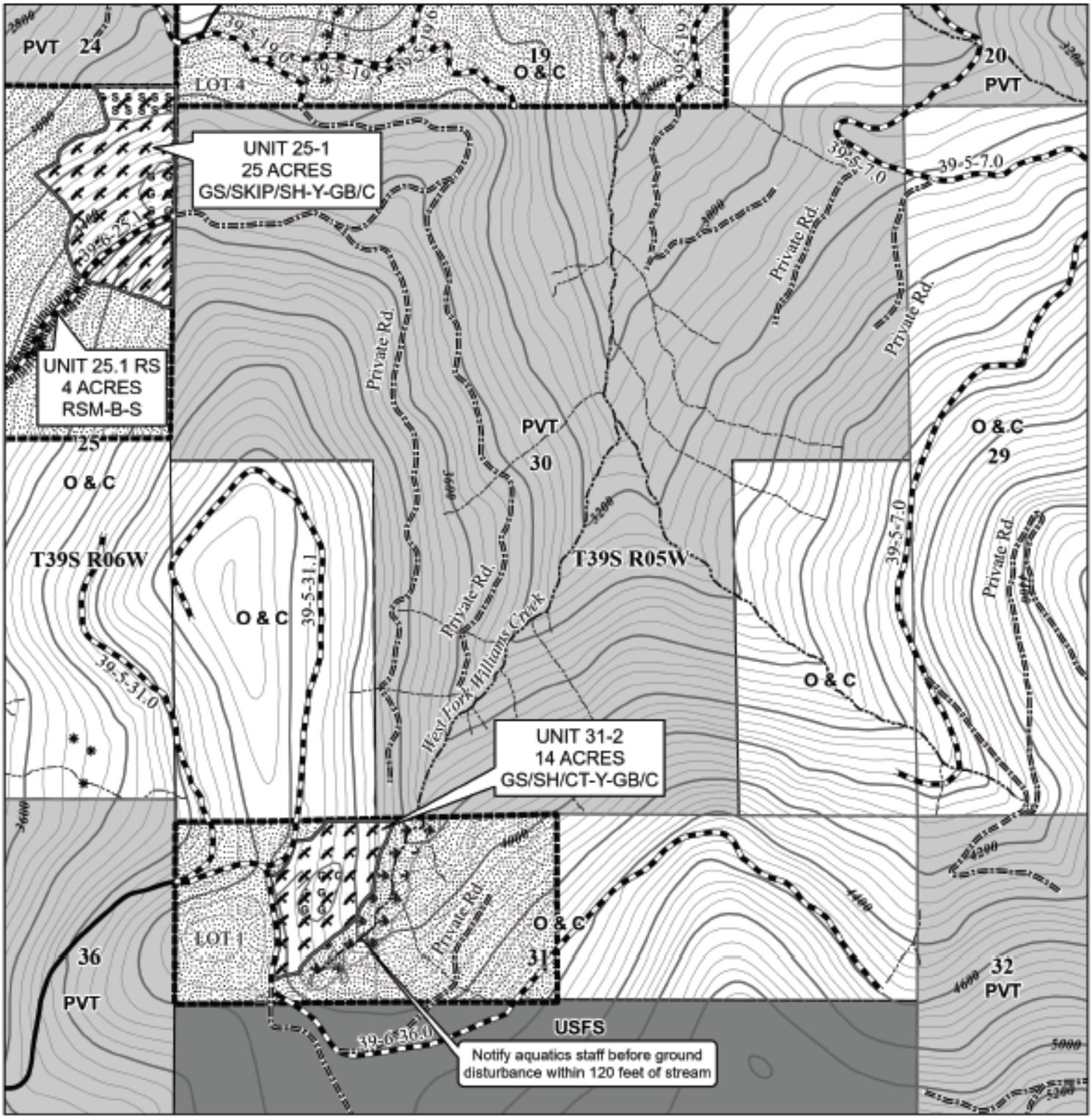
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.5 W., SEC. 31 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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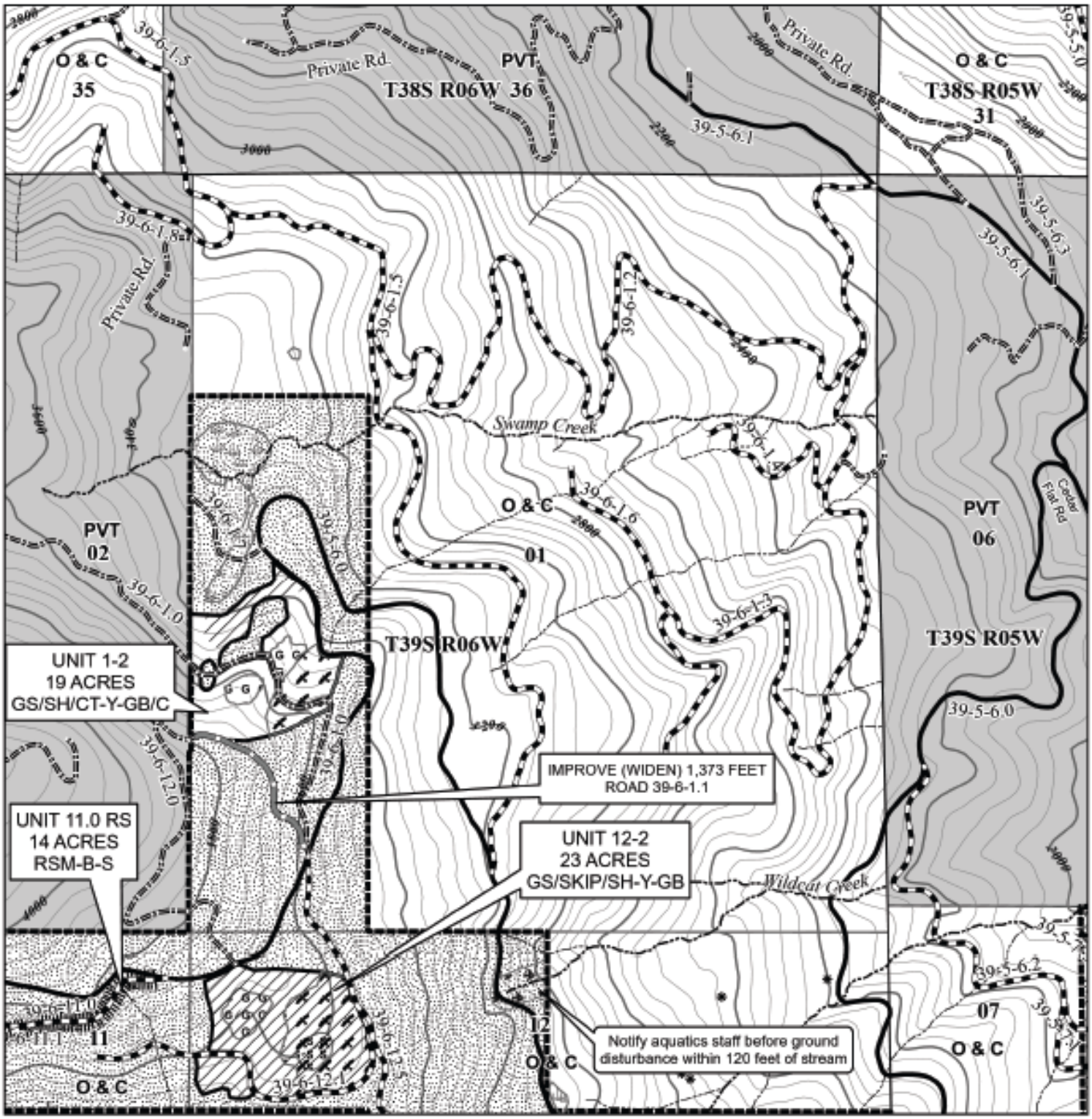
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T.39 S., R.6 W., SEC. 1 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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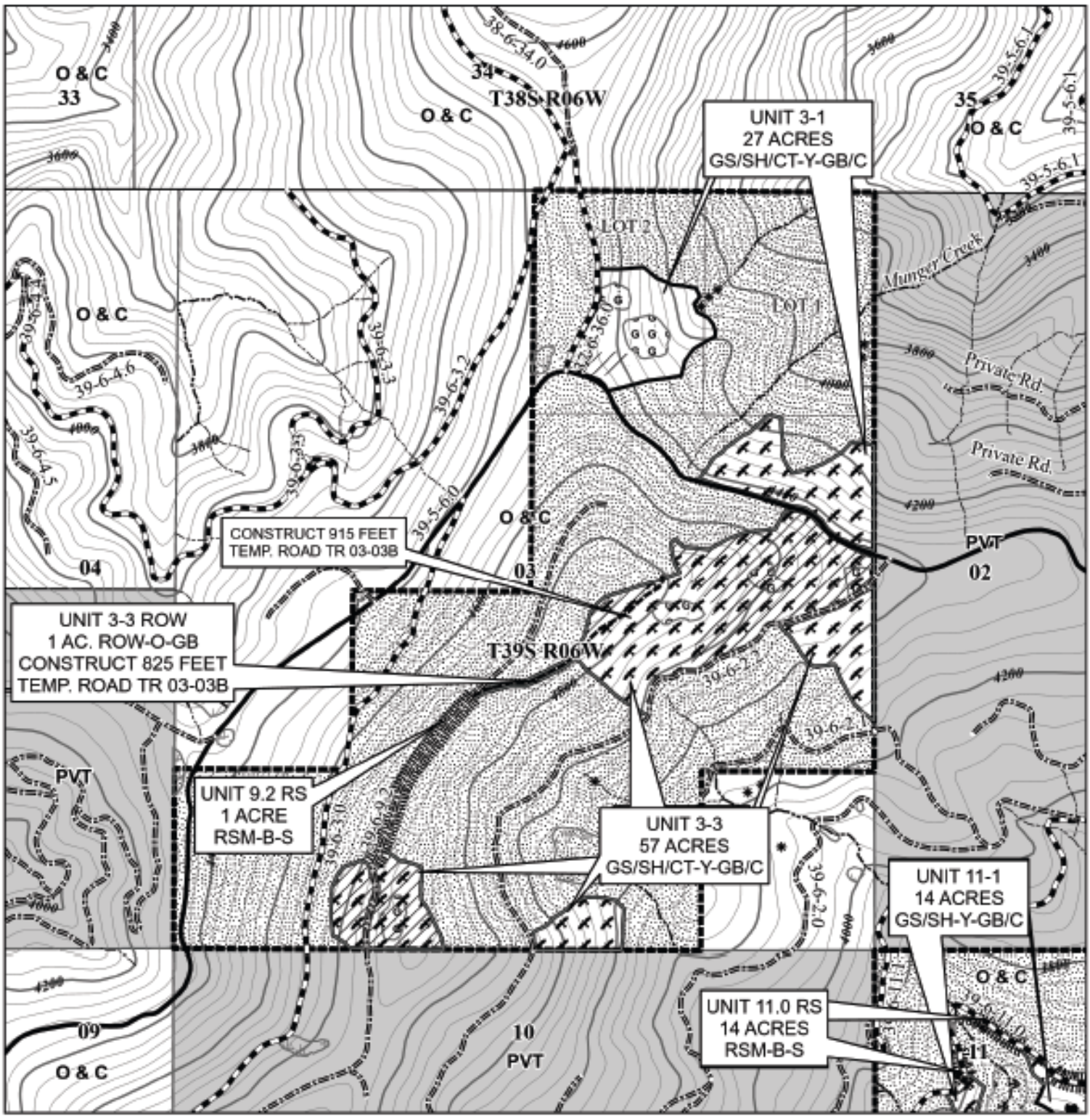
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T.39 S., R.6 W., SEC. 3 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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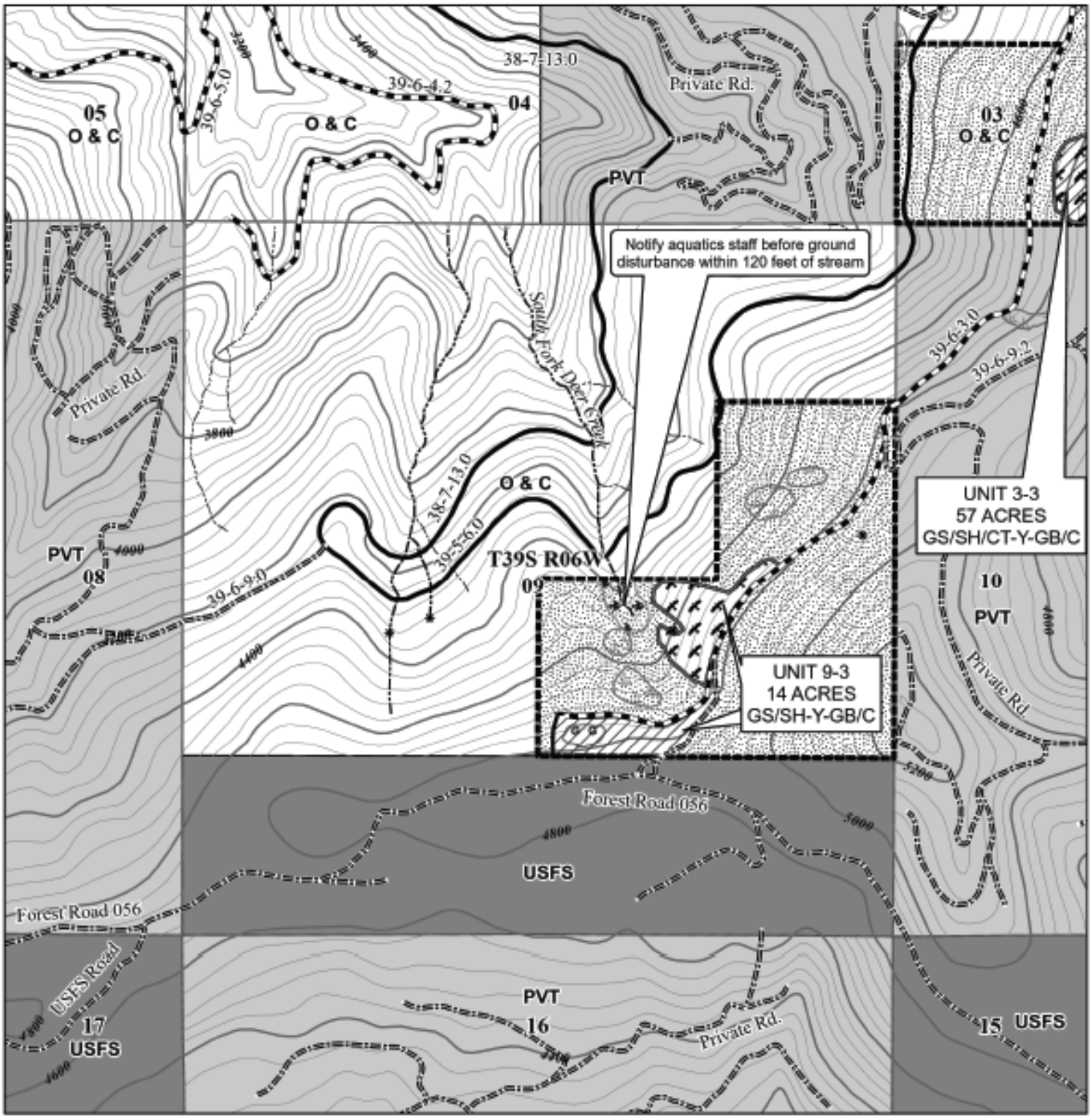
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 9 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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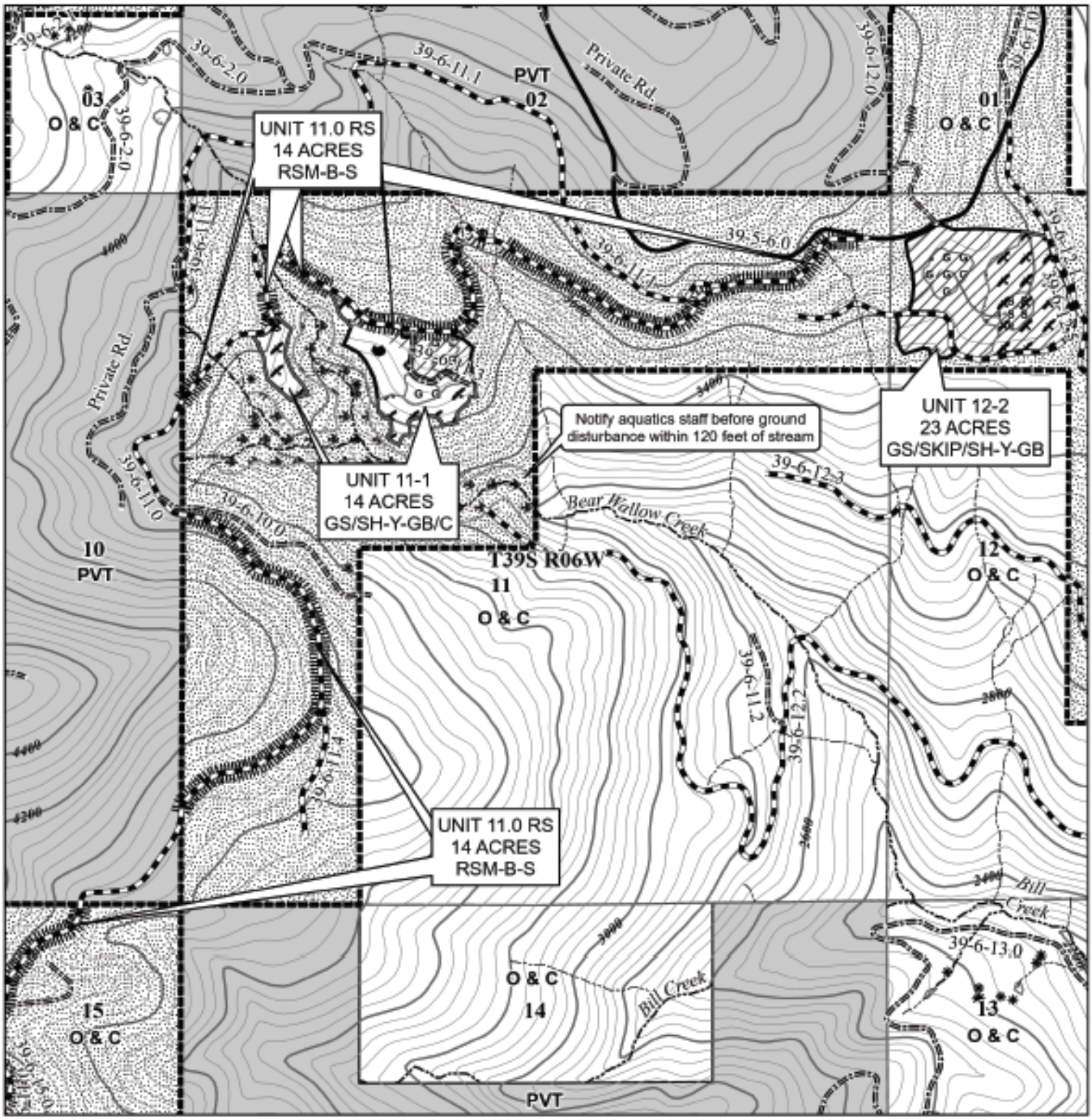
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T.39 S., R.6 W., SEC. 11 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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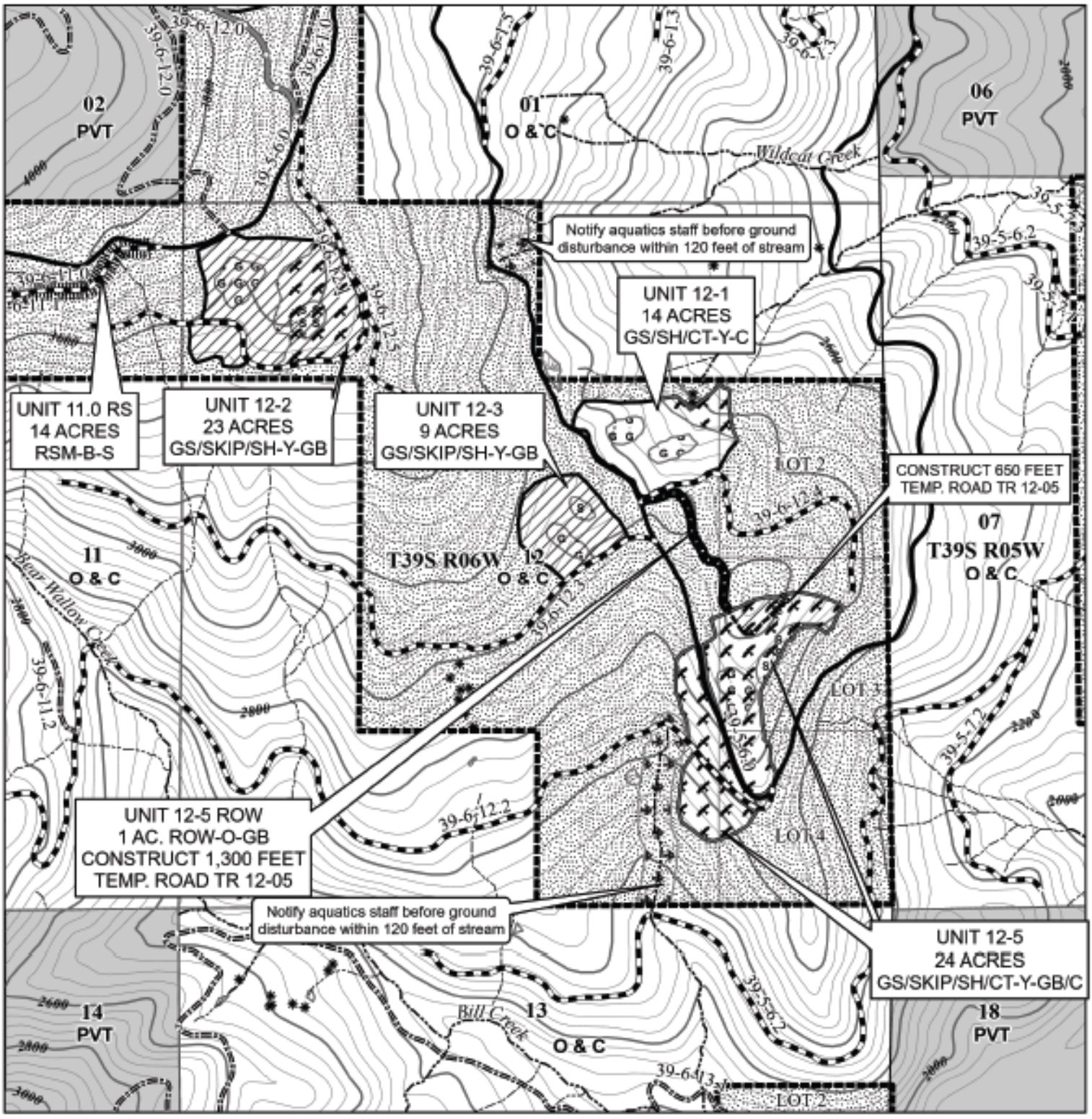
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T.39 S., R.6 W., SEC. 12 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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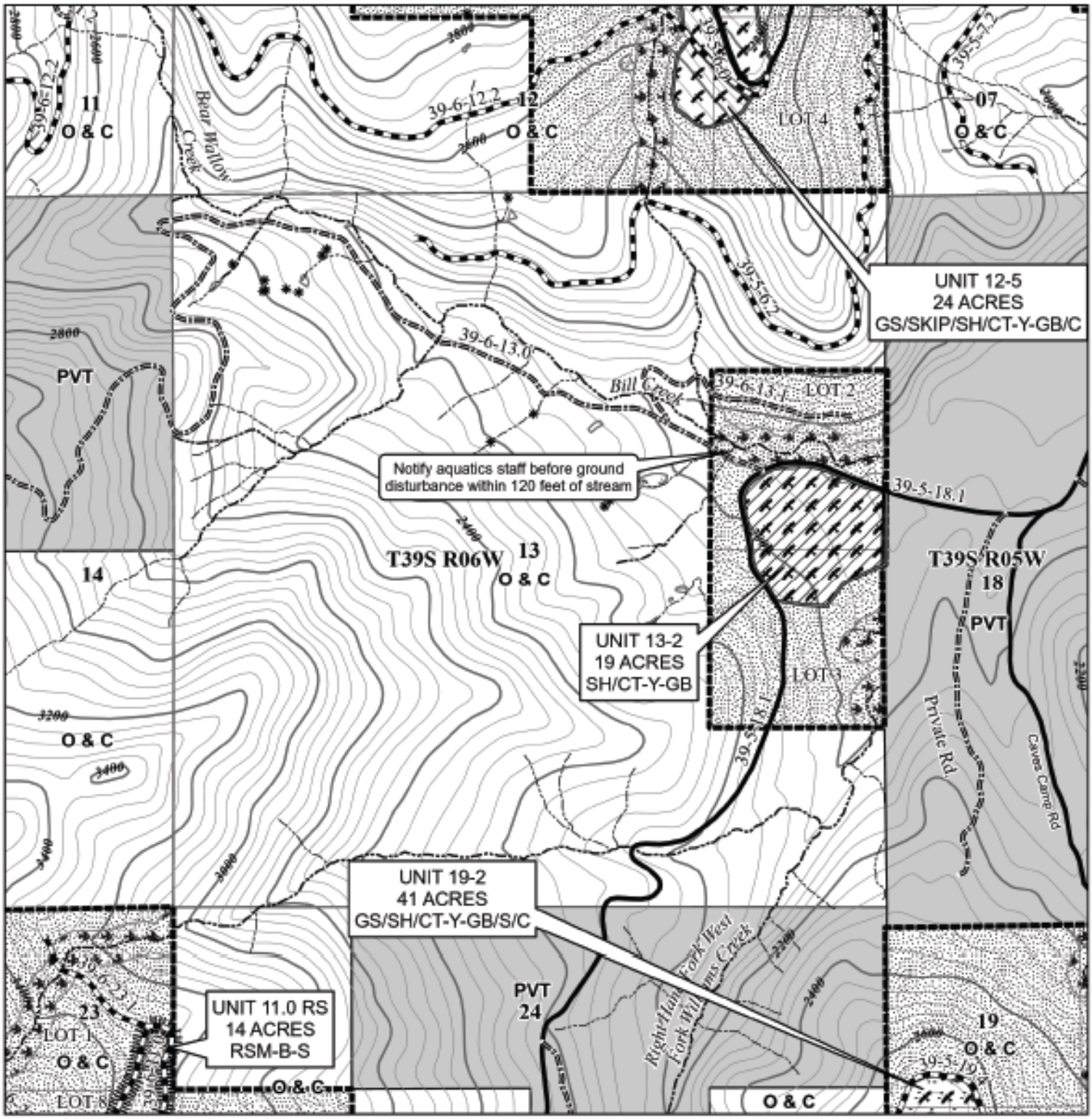
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T.39 S., R.6 W., SEC. 13 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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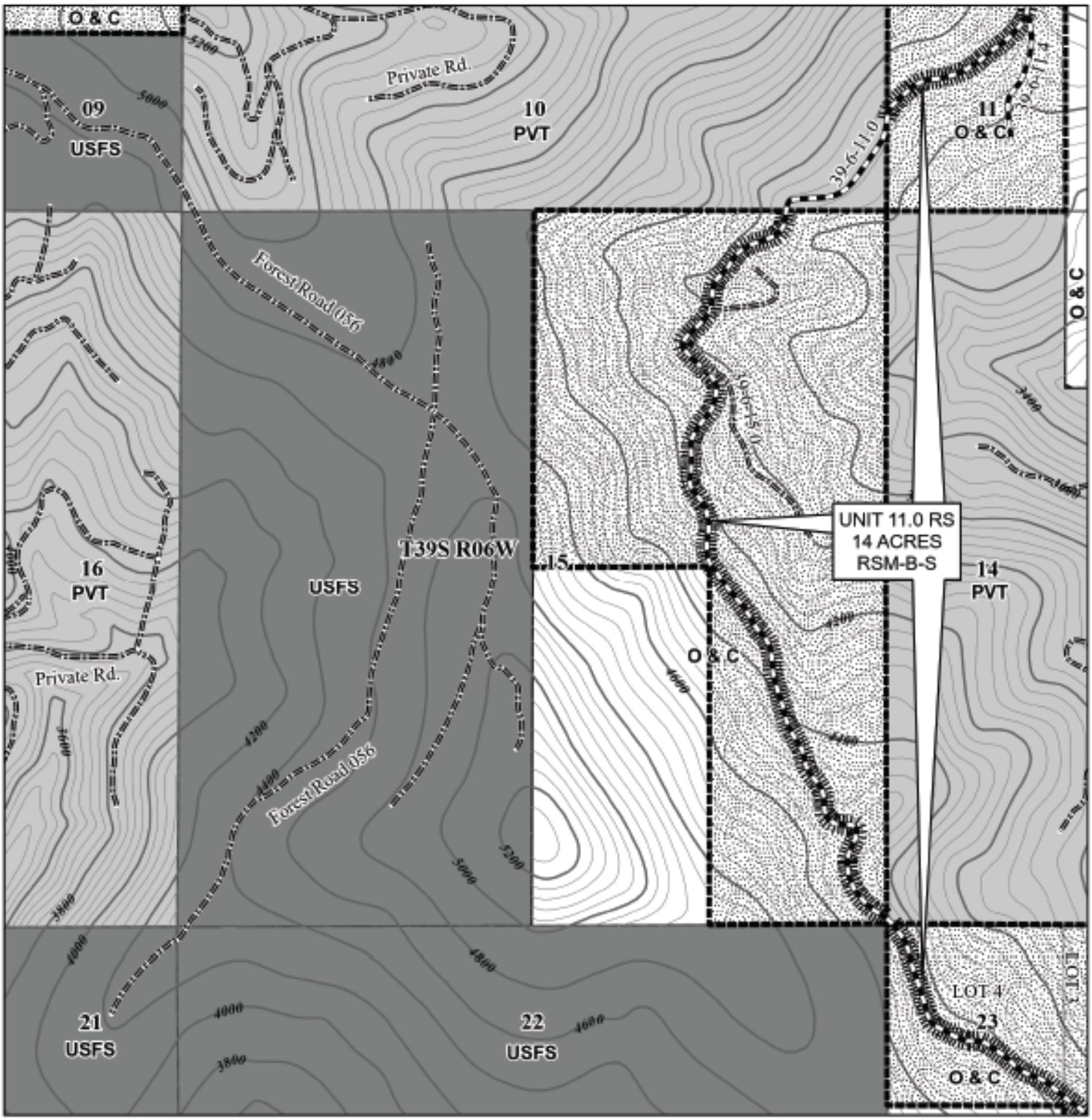
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T.39 S., R.6 W., SEC. 15 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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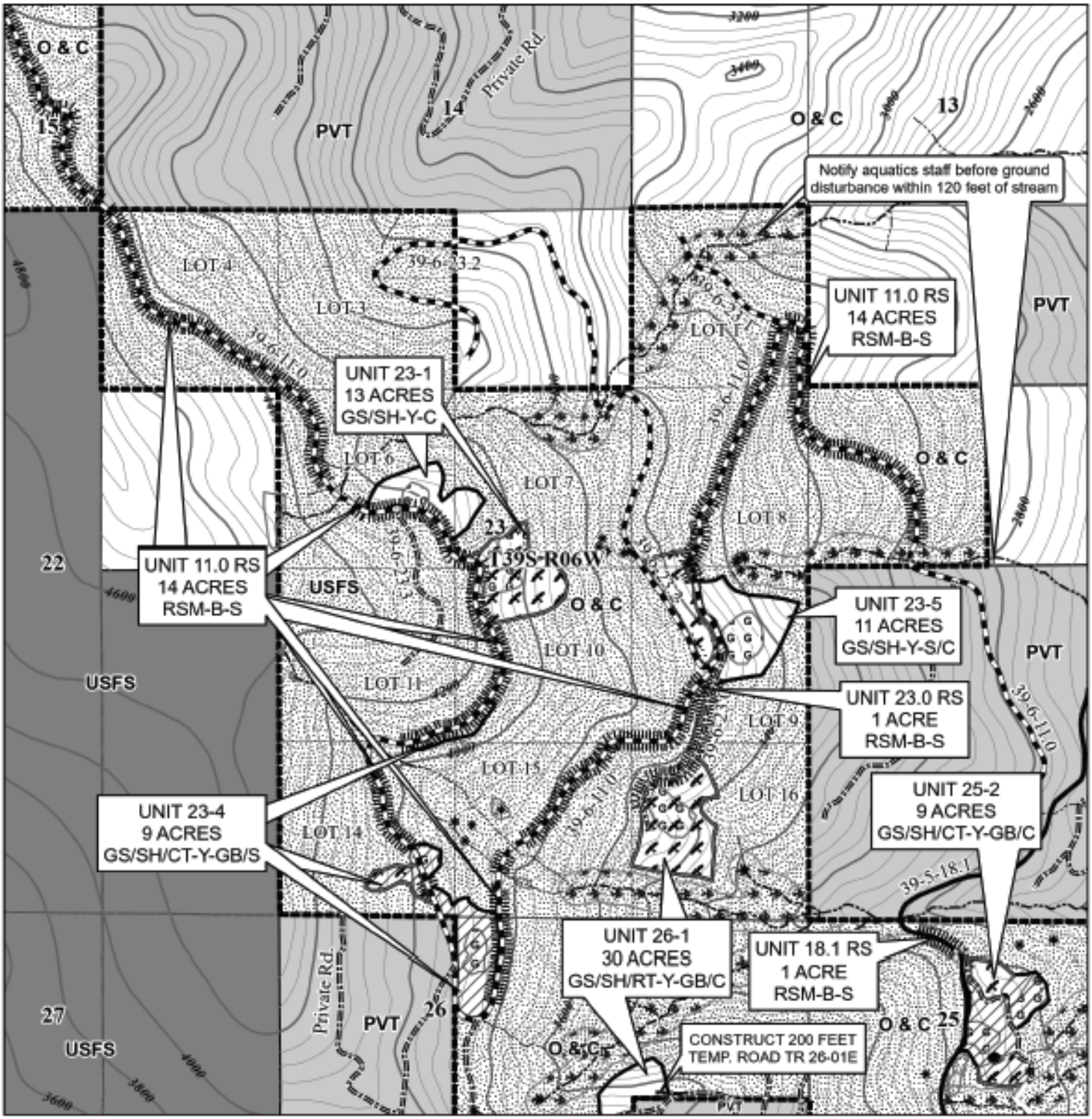
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T.39 S., R.6 W., SEC. 23 & 24 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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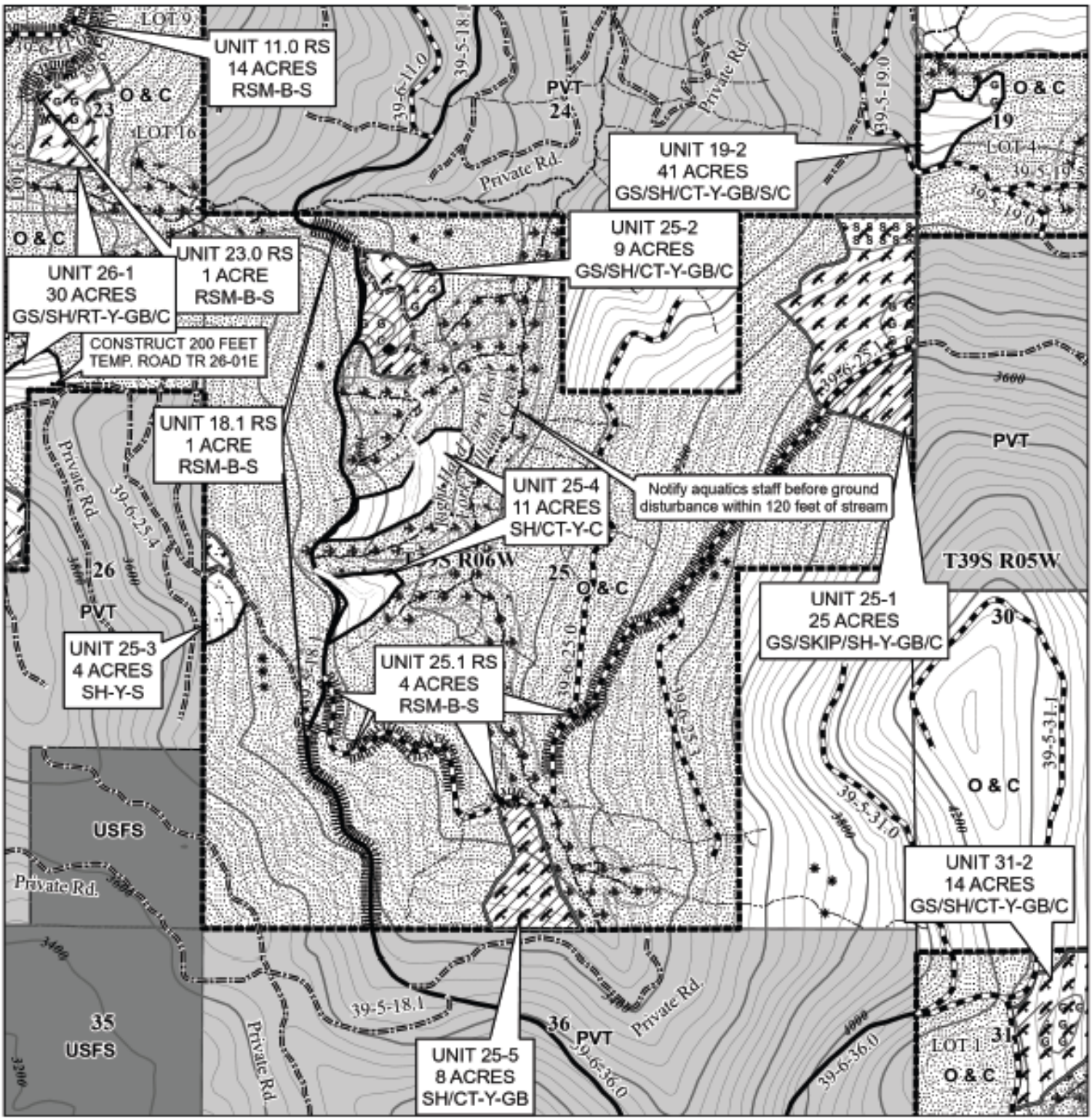
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T.39 S., R.6 W., SEC. 25 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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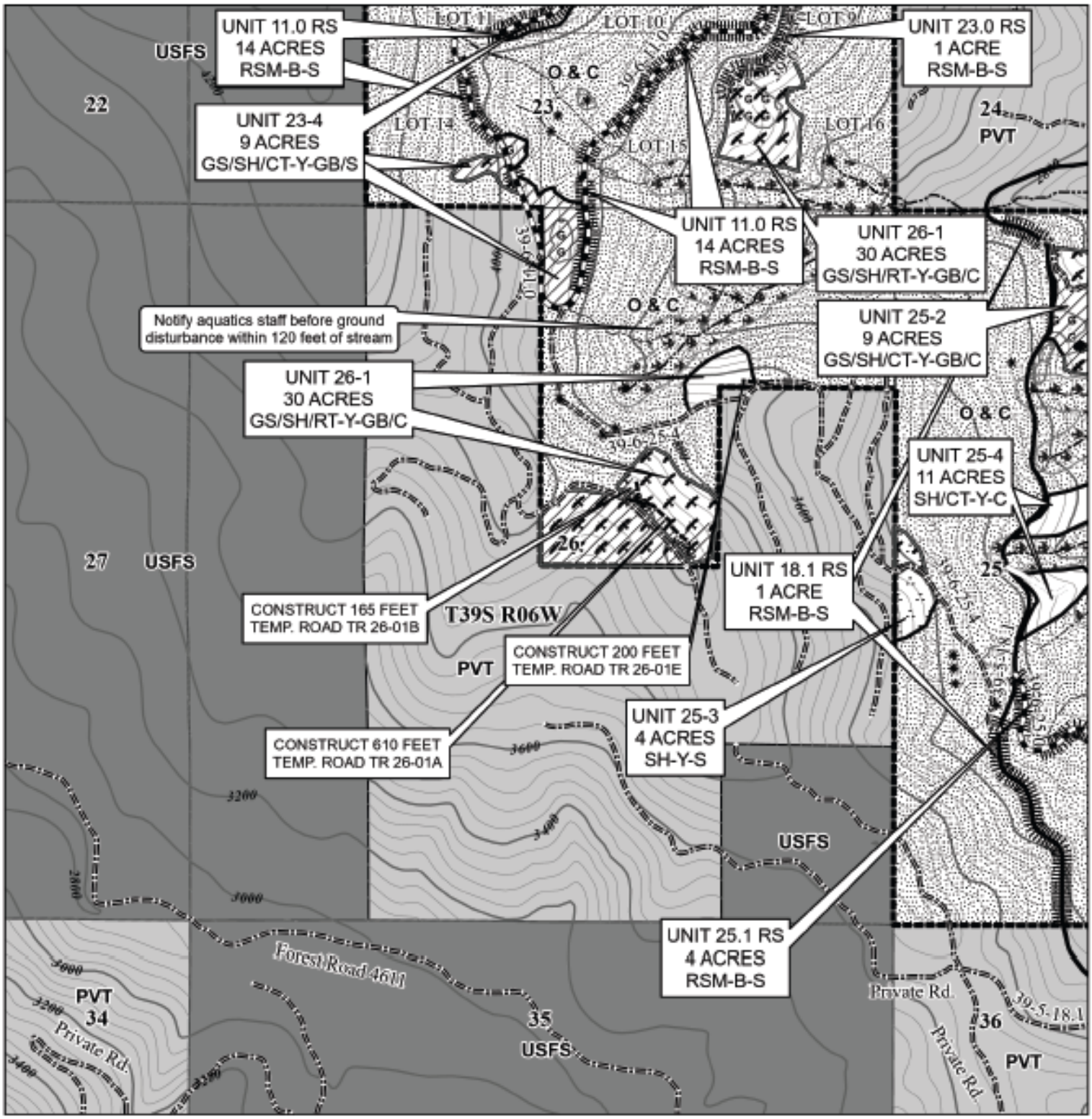
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T.39 S., R.6 W., SEC. 26 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT A



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LEGEND

Cedar Flat Timber Sale Units

- Cable
- Ground-Based (Tractor)
- Ground-Based (Shovel)
- Gap
- Skip
- Northern Spotted Owl Seasonal Restrictions
- Cedar Flat Roadside Clearing Units
- Designated Stream Crossings
- Inner Zone Near Fish Bearing Streams*

Cedar Flat Road Work

- Temp Construction
- Improvement - Widening

Road Surface Type

- Paved
- Rocked
- Natural Surface

- Reserve Area
- Contract Area Boundary

Streams

- Intermittent
- Perenial
- Springs
- Waterbodies

Contours

- Index - 200 ft.
- Intermediate - 40 ft.
- County
- Township & Range
- Section
- Lots

Ownership

- O & C Bureau of Land Management
- USFS U.S. Forest Service
- PVT Private Individual or Company

*Notify fish biologist and/or hydrologist before ground disturbance occurs within 120 feet of stream to mitigate impacts to fish bearing streams nearby

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N W E S

LEGEND

UNIT	UNIT ACRES	PRESCRIPTION-PAINT COLOR-LOGGING SYSTEM
1-2	19	GS/SH/CT-Y-GB/C
3-1	27	GS/SH/CT-Y-GB/C
3-3	57	GS/SH/CT-Y-GB/C
3-3 ROW	1	ROW-O-GB
7-1	7	GS/SH/CT-Y-GB
9-3	14	GS/SH-Y-GB/C
11-1	14	GS/SH-Y-GB/C
12-1	14	GS/SH/CT-Y-C
12-2	23	GS/SKIP/SH-Y-GB
12-3	9	GS/SKIP/SH-Y-GB
12-5	24	GS/SKIP/SH/CT-Y-GB/C
12-5 ROW	1	ROW-O-GB
13-2	19	SH/CT-Y-GB
17-1	12	GS/SH/CT-Y-S/C
17-2	21	GS/SH/CT-Y-GB/C
17-3	48	GS/SH/CT-Y-GB/C
17-4	1	SH-Y-S
19-1	44	GS/SKIP/SH-Y-GB
19-2	41	GS/SH/CT-Y-GB/S/C
23-1	13	GS/SH-Y-C
23-4	9	GS/SH/CT-Y-GB/S
23-5	11	GS/SH-Y-S/C
25-1	25	GS/SKIP/SH-Y-GB/C
25-2	9	GS/SH/CT-Y-GB/C
25-3	4	SH-Y-S
25-4	11	SH/CT-Y-C
25-5	8	SH/CT-Y-GB
26-1	30	GS/SH/RT-Y-GB/C
31-2	14	GS/SH/CT-Y-GB/C
34-1	5	SH-Y-GB
34-2	5	GS/SH/CT-Y-GB
34-3	23	GS/SH-Y-GB/C
7.0 RS	1	RSM-B-S
9.2 RS	1	RSM-B-S
11.0 RS	14	RSM-B-S
17.0 RS	1	RSM-B-S
18.1 RS	1	RSM-B-S
22.0 RS	11	RSM-B-S
23.0 RS	1	RSM-B-S
25.1 RS	4	RSM-B-S
34.0 RS	1	RSM-B-S
TOTAL	**598**	

* BOUNDARIES OF HARVEST UNITS ARE POSTED AND PAINTED IN ORANGE

CT = COMMERCIAL THIN
SH = SELECTION HARVEST
RT = SELECTION HARVEST (RADIAL THIN)
GS = GROUP SELECT
ROW = RIGHT OF WAY CLEARING
RSM = ROADSIDE MANAGEMENT
GB = GROUND-BASE YARD (TRACTOR)
C = CABLE YARD
S = GROUND-BASE YARD (SHOVEL)
Y = YELLOW MARK LEAVE TREE
O = ORANGE MARK LEAVE TREE
B = BLUE MARK CUT TREE

0 1,000 2,000 Feet

1:12,000

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United States Department of the Interior
Bureau of Land Management
Medford District Office
3040 Biddle Road
Medford, OR 97504
(541) 618-2200

40 FOOT CONTOUR INTERVAL

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SUMMARY

GS/SKIP/SH/CT-Y-GB/C	GROUP SELECTION, SKIP, SELECTION HARVEST, & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNIT 12-5)	24 ACRES
GS/SKIP/SH-Y-GB/C	GROUP SELECTION, SKIP, & SELECTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNIT 25-1)	25 ACRES
GS/SKIP/SH-Y-GB	GROUP SELECTION, SKIP, & SELECTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE YARD (UNITS 12-2, 12-3, & 19-1)	76 ACRES
GS/SH/RT-Y-GB/C	GROUP SELECTION, SELECTION HARVEST, & SELECTION HARVEST (RADIAL THIN) - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNIT 26-1)	30 ACRES
GS/SH/CT-Y-GB/S/C	GROUP SELECTION, SELECTION HARVEST, & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - GROUND BASE, SHOVEL, & CABLE YARD (UNIT 19-2)	41 ACRES
GS/SH/CT-Y-GB/S	GROUP SELECTION, SELECTION HARVEST, & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - GROUND BASE & SHOVEL YARD (UNIT 23-4)	9 ACRES
GS/SH/CT-Y-GB/C	GROUP SELECTION, SELECTION HARVEST, & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNITS 1-2, 3-1, 3-3, 17-2, 17-3, 25-2, & 31-2	195 ACRES
GS/SH/CT-Y-GB	GROUP SELECTION, SELECTION HARVEST, & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - GROUND BASE YARD (UNITS 7-1 & 34-2)	12 ACRES
GS/SH/CT-Y-S/C	GROUP SELECTION, SELECTION HARVEST, & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - SHOVEL & CABLE YARD (UNIT 17-1)	12 ACRES
GS/SH/CT-Y-C	GROUP SELECTION, SELECTION HARVEST, & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - CABLE YARD (UNIT 12-1)	14 ACRES
GS/SH-Y-GB/C	GROUP SELECTION & SELECTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNITS 9-3, 11-1, & 34-3)	51 ACRES

0 1,000 2,000 Feet

1:12,000

40 FOOT CONTOUR INTERVAL

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SUMMARY CONTINUED

GS/SH-Y-S/C	GROUP SELECTION & SELECTION HARVEST - YELLOW MARK LEAVE TREE - SHOVEL & CABLE YARD (UNIT 23-5)	11 ACRES
GS/SH-Y-C	GROUP SELECTION & SELECTION HARVEST - YELLOW MARK LEAVE TREE - CABLE YARD (UNIT 23-1)	13 ACRES
SH/CT-Y-GB	SELECTION HARVEST & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - GROUND BASE YARD (UNITS 13-2 & 25-5)	27 ACRES
SH/CT-Y-C	SELECTION HARVEST & COMMERCIAL THIN - YELLOW MARK LEAVE TREE - CABLE YARD (UNIT 25-4)	11 ACRES
SH-Y-GB	SELECTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE YARD (UNIT 34-1)	5 ACRES
SH-Y-C	SELECTION HARVEST - YELLOW MARK LEAVE TREE - CABLE YARD (UNITS 17-4 & 25-3)	5 ACRES
ROW-O-GB	RIGHT OF WAY CLEARING - ORANGE MARK LEAVE TREE - GROUND BASE YARD (UNITS 3-3 ROW & 12-5 ROW)	2 ACRES
RSM-B-S	ROADSIDE MANAGEMENT - BLUE MARK CUT TREE - SHOVEL YARD (UNITS 7.0 RS, 9.2 RS, 11.0 RS, 17.0 RS, 18.1 RS, 22.0 RS, 23.0 F 25.1 RS, 34.0 RS)	35 ACRES
	TOTAL TIMBER SALE UNIT AREA	598 ACRES
	RESERVE AREA	4,252.11 ACRES
	TOTAL CONTRACT AREA	4,850.11 ACRES

0 1,000 2,000 Feet

1:12,000

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40 FOOT CONTOUR INTERVAL

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Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Unrestricted Period

Operations Restricted To Dry Condition, Waiver Required

Operations Restricted While NSO Spot Check Surveys Occur, Restriction May Be Extended IF Owls Are Nesting

Operations Restricted To Dry Condition in the Dry Season for POC, Waiver Required

Operations Restricted

* Operations will be suspended if unacceptable damage to residual trees occur.

** In-stream work periods for culvert cleaning are June 15th - September 15th.

*** **All road maintenance and improvements must be completed before wet season haul can occur on the roads. The Purchaser may elect to make improvements to Dry Condition Haul Roads listed to allow for All Season Haul, at their own expense, as approved by the Authorized Officer. Haul will be suspended if the roads begin to show damage or conditions develop that could cause damage to the road as described in Sec. 44(C)(2&3)(E-1).**

†Purchaser must get permission from landowner before making improvements to road.

Dry Condition Yarding and Temporary Route work- Ground-based harvesting and yarding, temporary route work, and rehabilitation activities would not occur when soil moisture at a depth of 4-6 inches is wet enough to maintain form when compressed, or when soil moisture at the surface would readily displace, causing ribbons and ruts along equipment tracks. These conditions are generally found when soil moisture at a depth of 4-10 inches is between 15-25% depending on soil type.

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units 23-4 (West of the 39-6-11.0 Road) and 34	Manual Falling and Bucking*																								
1 (Ground Based Yard Units with Northern Spotted Owl & Port-Orford-Cedar Seasonal Restrictions and Dry Condtion Haul & All Season Haul)	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-5-22.0 & 39-6-11.0***																								
	Loading and Hauling on Roads 39-5-14.0, 39-5-18.1, & all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units 25-5 and 13-2 (Ground Based Yard Units with Northern Spotted Owl Seasonal Restrictions and All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-5-18.1, 39-6-25.0, & all Paved Rds***																								
Units 3-3 ROW, 7-1 (North Portion), 12-2 (East of Northern Spotted Owl Seasonal Restriction Line), 25-3 (North Portion), and 34-2 (Ground Based Yard Units with Northern Spotted Owl Seasonal Restrictions and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on the portion of Roads TR 03-03B, 39-5-6.2, 39-5-7.1, 39-5-22.0, 39-5-27.2, 39-6-2.2, 39-6-9.2, 39-6-12.1, & 39-6-25.4***																								
	Loading and Hauling on the rest of Roads 39-5-6.0, 39-5-14.0, 39-5-18.1, & all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Unit 18.1 RS (Ground Based Yard Unit with Port-Orford-Cedar Seasonal Restrictions and All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on all Paved Rds***																								
Units 12-3, 12-5 ROW, 23-4 (East of the 39-6-11.0 Road), 25-2 (Northern Ground Based Portion), 17.0 RS, and 23.0 RS (Ground Based Yard Units with Port-Orford-Cedar Seasonal Restrictions, and Dry Condition & All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads TR 12-05, 39-5-7.0, 39-6-11.0, & 39-6-12.3 & 39-6-25.5 to milepost 0.16.***																								
	Loading and Hauling on Roads 39-5-6.0, 39-5-17.0, 39-5-18.1, 39-6-23.0, & all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units 19-1 and 7.0 RS (Ground Based Yard Units with Dry Condtion Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-5-7.0 & 39-5-19.2***																								
	Loading and Hauling on Road 39-5-19.7***†																								
Unit 25.1 RS (Ground Based Yard Unit with All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-6-25.0, 39-6-25.1, & all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units 7-1 (South Portion), 9-3 (Ground Based Portion), 12-2 (West of Northern Spotted Owl Seasonal Restriction Line), 17-4, 25-3 (South Portion), 9.2 RS, 11.0 RS, 22.0 RS, and 34.0 RS (Ground Based Yard Units with Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-5-6.2, 39-5-7.0, 39-5-7.1, 39-5-17.4, 39-5-22.0, 39-5-34.0, 39-5-34.1, 39-6-3.0 after the 39-6-9.2 junction, 39-6-9.2, 39-6-11.0, 39-6-12.1, & 39-6-25.4.***																								
	Loading and Hauling on Road FS460-9-940.***†																								
	Loading and Hauling on Roads 39-5-6.0, 39-5-14.0, 39-5-17.0, 39-5-18.1, 39-6-3.0 before the 39-6-9.2 junction, & all Paved Rds.***																								
Unit 12-1 (Northeast of Northern Spotted Owl Seasonal Restriction Line) (Cable Yard Unit with Northern Spotted Owl & Port-Orford-Cedar Seasonal Restrictions and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-5-6.0, 39-6-12.4, & all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units 1-2 (East of Northern Spotted Owl Seasonal Restriction Line), 11-1 (South & West of Northern Spotted Owl Seasonal Restriction Line), and 23-1 (South Portion) (Cable Yard Units with Northern Spotted Owl & Port-Orford-Cedar Seasonal Restrictions, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-6-1.0, 39-6-1.1, & 39-6-11.0.***																								
	Loading and Hauling on Roads 39-5-6.0, 39-5-18.1, 39-6-11.3, & all Paved Rds***																								
Unit 3-1 (East Portion) (Cable Yard Unit with Northern Spotted Owl Seasonal Restrictions, and All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Unit 9-3 (Cable Portion) (Cable Yard Unit with Northern Spotted Owl Seasonal Restrictions, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Road 39-6-3.0 after the 39-6-9.2 junction.***																								
	Loading and Hauling on Road FS46009-940.***†																								
	Loading and Hauling Roads 39-5-6.0, 39-6-3.0 before the 39-6-9.2 junction, & all Paved Rds***																								
Units 12-1 (Southwest of Northern Spotted Owl Seasonal Restriction Line) and 25-4 (Cable Yard Units with Port-Orford-Cedar Seasonal Restrictions, and All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling Roads 39-5-6.0, 39-5-18.1, 39-6-12.4, & all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<u>Units 23-1 (North Portion) and 23-5 (Below the 39-6-11.0 Road)</u> (Cable Yard Units with Port-Orford-Cedar Seasonal Restrictions, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling Road 39-6-11.0.***																								
	Loading and Hauling Roads 39-5-18.1, 39-6-23.0, 39-6-23.2, & all Paved Rds.***																								
<u>Unit 26-1 (Below the 39-6-25.4 Road)</u> (Cable Yard Unit with Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling Roads TR 26-01 E & 39-6-11.0.***																								
	Loading and Hauling Road 39-6-25.4.***†																								
	Loading and Hauling Road 39-5-18.1 & all Paved Rds.***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Unit 25-2 (Cable & Southern Ground Based Portion) (Ground Based & Cable Yard Unit with Northern Spotted Owl & Port-Orford-Cedar Seasonal Restrictions, and All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-5-18.1, 39-6-25.5 to milepost 0.16, & all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units 3-3, 12-5, 23-5 (Below the 39-6-23.2 Road), 31-2, and 34-3 (Ground Based & Cable Yard Units with Northern Spotted Owl & Port-Orford-Cedar Seasonal Restrictions, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading & Hauling on Roads TR 03-03B, TR 12-05, TR 34-03, 39-5-14.0, 39-5-22.0, 39-5-31.1, 39-5-34.0, 39-5-34.1, 39-6-2.2, 39-6-9.2, 39-6-11.0, & 39-6-36.0 where surface is aggregate.***																								
	Loading & Hauling on Roads 39-5-6.0, 39-5-18.1, 39-6-3.0, 39-6-12.2, 39-6-23.0, 39-6-23.2, 39-6-36.0 where the surface is bituminous, & all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Unit 19-2 (Southeast Portion, Northeast Portion, & Portion Between the 39-5-19.0 & 39-5-19.4 Roads) (Ground Based & Cable Yard Unit with Northern Spotted Owl Seasonal Restrictions and Dry Condition Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-5-19.4, 39-5-19.5, & 39-5-19.6.***																								
	Loading and Hauling on Road 39-5-19.0.***†																								
Unit 25-1 (Ground Based & Cable Yard Unit with Northern Spotted Owl Seasonal Restrictions and All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Road 39-5-18.1 and all Paved Rds***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units 17-3 (Below the 39-5-17.6 Road to the Designated Stream Crossing & Between the Designated Stream Crossing & TR 17-03A) & 26-1 (Except for Portion Below the 39-6-25.4 Road) (Ground Based & Cable Yard Unit with Northern Spotted Owl Seasonal Restrictions and Dry Condition & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads TR 26-01 A, TR 26-01 B, TR 26-01 E, 39-5-7.0, 39-6-11.0.***																								
	Loading and Hauling on Roads 39-6-26.0 & 39-6-25.4.***†																								
	Loading and Hauling on Road TR 17-03A.																								
	Loading and Hauling on Roads 39-5-17.6, 39-5-18.1, 39-6-23.0, and all Paved Rds.***																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Units 1-2 (West of Northern Spotted Owl Seasonal Restriction Line) and 11-1 (North & East of Northern Spotted Owl Seasonal Restriction Line) (Ground Based & Cable Yard Units with Port-Orford-Cedar Seasonal Restrictions and Dry Condition & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-6-1.0, 39-6-1.1, & 39-6-11.0***																								
	Loading & Hauling on Roads 39-5-6.0, 39-6-11.3, & all Paved Rds***																								
Unit 19-2 (Except Southeast Portion, Northeast Portion, & Portion Between the 39-5-19.0 & 39-5-19.4 Roads) (Ground Based & Cable Yard Units with Dry Condition Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 39-5-19.4, 39-5-19.5, & 39-5-19.6***																								
	Loading & Hauling on Road 39-5-19.0.***†																								

Cedar Flat Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2026.0007

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
Unit 3-1 (West Portion) (Ground Based & Cable Yard Unit with All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling***																								
Units 17-1, 17-2, and 17-3 (Except Portion Below the 39-5-17.6 Road to the Designated Stream Crossing & Between the Designated Stream Crossing & TR 17-03A) (Ground Based & Cable Yard Units with Dry Condtion & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads TR 17-01, TR 17-02 A, 39-5-7.0, 39-5-17.3, & 39-5-17.4***																								
	Loading and Hauling on Road TR 17-03 A																								
	Loading and Hauling on Roads 39-5-17.0, 39-5-17.5, 39-5-17.6, and all Paved Rds***																								

United States
Department of the Interior
Bureau of Land Management

Timber Appraisal

Sale Name:	Cedar Flat	**Sale Date:**	Thursday, September 24, 2026
BLM District:	Medford DO	**Unit of Measure:**	16' MBF
Contract #:	ORM07-TS-2026.0007	**Contract Term:**	48 months
Sale Type:	Advertised	**Contract Mechanism:**	5450-004 Scale Sale of Timber and other Wood Products

Content

Timber Appraisal Summary
Stumpage Summary
Unit Summary
Stump to Truck
Transportation
Engineering Allowances
Other Allowances

Prepared By: Cannon, Grant P - 8/11/2026
Approved By: Worman, Aaron S - 8/18/2026

Legal Description of Contract Area

Land Status	County	Township	Range	Section	Subdivision	Meridian
O&C	Josephine	39S	5W	7	E1/2NW1/4, NE1/4SW1/4	Willamette
O&C	Josephine	39S	5W	17	NE1/4, NE1/4NW1/4, SW1/4NW1/4, SW1/4, NE1/4SE1/4	Willamette
O&C	Josephine	39S	5W	19	Lot 1, Lot 2, Lot 4, NE1/4, E1/2NW1/4, SE1/4SW1/4, N1/2SE1/4	Willamette
O&C	Josephine	39S	5W	19	SW1/4SE1/4	Willamette
O&C	Josephine	39S	5W	27	S1/2NE1/4, W1/2NW1/4, SE1/4NW1/4, S1/2SW1/4, N1/2SE1/4, SW1/4SE1/4	Willamette
O&C	Josephine	39S	5W	31	Lot 1, NE1/4NW1/4	Willamette
O&C	Josephine	39S	5W	33	E1/2NE1/4	Willamette
O&C	Josephine	39S	5W	34	W1/2NE1/4, NW1/4, N1/2SW1/4, NW1/4SE1/4	Willamette
O&C	Josephine	39S	6W	1	SW1/4NW1/4, W1/2SW1/4	Willamette
O&C	Josephine	39S	6W	3	Lot 1, Lot 2, S1/2NE1/4, E1/2SW1/4, SW1/4SW1/4, N1/2SE1/4	Willamette
O&C	Josephine	39S	6W	3	SW1/4SE1/4	Willamette
O&C	Josephine	39S	6W	9	SE1/4NE1/4, N1/2SE1/4	Willamette
O&C	Josephine	39S	6W	11	N1/2NE1/4, NW1/4, W1/2SW1/4	Willamette
O&C	Josephine	39S	6W	12	Lot 2, Lot 3, Lot 4, SW1/4NE1/4, N1/2NW1/4, SE1/4NW1/4	Willamette
O&C	Josephine	39S	6W	12	NE1/4SW1/4, W1/2SE1/4	Willamette
O&C	Josephine	39S	6W	13	Lot 2, Lot 3	Willamette
O&C	Josephine	39S	6W	15	NE1/4, E1/2SE1/4	Willamette
O&C	Josephine	39S	6W	23	Lot 1, Lot 3, Lot 4, Lot 6, Lot 7, Lot 8, Lot 9, Lot 10, Lot 11	Willamette
O&C	Josephine	39S	6W	23	Lot 14, Lot 15, Lot 16	Willamette
O&C	Josephine	39S	6W	24	SW1/4NW1/4	Willamette

O&C	Josephine	39S	6W	25	E1/2NE1/4, SW1/4NE1/4, NW1/4, SW1/4, W1/2SE1/4	Willamette
O&C	Josephine	39S	6W	26	N1/2NE1/4, SW1/4NE1/4	Willamette

Species Totals

Species	Net	Gross Merch	Gross	# of Merch Logs	# of Cull Logs	# of Trees
Douglas Fir	11,137.0	11,994.0	12,147.0	190,757	2,216	46,869
White Fir	1,633.0	1,761.0	1,762.0	26,433	13	7,400
Ponderosa Pine	517.0	559.0	561.0	9,777	94	2,561
Port Orford Cedar	123.0	137.0	137.0	4,337	8	1,795
Incense-cedar	76.0	84.0	84.0	2,001	2	834
Sugar Pine	24.0	26.0	26.0	428	0	149
Western Hemlock	1.0	1.0	1.0	3	0	1
Totals	**13,511.0**	**14,562.0**	**14,718.0**	**233,736**	**2,333**	**59,609**

Cutting Area Acres

Regeneration Harvest Acres	Partial Cut Acres	Right of Way Acres	Total Acres	Net Volume per Acre
0.0	561.0	37.0	598.0	22.6

Comments:
Scale for payment sale.*****See Deficit Surplus pricing that was applied to sale.******

Logging Costs

Stump to Truck	$3,664,619.93
Transportation	$923,958.90
Road Construction	$1,208,906.22
Maintenance/Rockwear	$189,448.14
Road Use	$0.00
Other Allowances	$209,326.00
Total:	**$6,196,259.19**
Total Logging Cost per MBF:	**$458.61**

Utilization Centers

Location	Distance	% of Net Volume
White City	47.0 miles	100%

Profit & Risk

Profit	11%
Risk	0%
Total Profit & Risk	**11%**

Tract Features

Quadratic Mean DBH	15.4 in
Average GM Log	62 bf
Average Volume per Acre	22.6 mbf
Recovery	92%
Net MBF volume:	
Green	13,511.0 mbf
Salvage	0 mbf
Export	0 mbf
Ground Base Logging:	
Percent of Sale Volume	54%
Average Yarding Slope	0%
Average Yarding Distance	380 ft
Cable Logging:	
Percent of Sale Volume	46%
Average Yarding Slope	0%
Average Yarding Distance	210 ft
Aerial Logging:	
Percent of Sale Volume	0%
Average Yarding Slope	0%
Average Yarding Distance	0 ft

Cruise

Cruise Completed	July 2026
Cruised By	Cannon & Darner

Cruise Method

The Cedar Flat timber sale was cruised using the PCMTRE, 3P, and BLM 100 cruise methods. Strata 1 was 404 acres dominant of Group Selects and Selection Harvest under 115 basal area retention. It was cruised using PCMTRE, a 40 BAF on 248 plots installed on a grid pattern. Strata 2 was 157 acres dominant of Commercial Thinning and Selection Harvest over 115 basal area retention which was cruised using PCMTRE, a 40 BAF on 92 plots installed on a grid pattern. The following sampling frequencies were used: DF= 1 in 8, IC= 1 in 4, PP= 1 in 4, SP= 1 in 2, POC= 1 in 4, WF= 1 in 4, WH= 1 in 2. Strata 3 was 37 acres of ROW's and roadside clearing and was cruised using the 3P cruise method for DF at a 700 KZ. The BLM 100 cruise method was used for strata 4 for other minor species in ROW's and roadside clearing.

Stumpage Computation

Species	# of Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Costs	(+) Marginal Log Value	Stumpage Adjustment	Appraised Price/MBF		Appraised Value ($)
Douglas Fir	46,869	11,137.0	$623.87	$68.63	$458.61	$0.00	($31.38)	$65.30		$727,246.10
White Fir	7,400	1,633.0	$416.42	$45.81	$458.61	$0.00	$0.00	$41.70	*	$68,096.10
Ponderosa Pine	2,561	517.0	$315.69	$34.73	$458.61	$0.00	$0.00	$31.60	*	$16,337.20
Port Orford Cedar	1,795	123.0	$456.70	$50.24	$458.61	$0.00	$0.00	$45.70	*	$5,621.10
Incense-cedar	834	76.0	$382.91	$42.12	$458.61	$0.00	$0.00	$38.30	*	$2,910.80
Sugar Pine	149	24.0	$303.00	$33.33	$458.61	$0.00	$0.00	$30.30	*	$727.20
Western Hemlock	1	1.0	$51.12	$5.62	$458.61	$0.00	$0.00	$5.20	*	$5.20
Totals	**59,609**	**13,511.0**								**$820,943.70**

* Minimum Stumpage values were used to compute the Appraised Price/MBF (10.00% of Pond Value)

Other Wood Products

Product	Unit of Measure	# of Units	$/Unit	Appraised Value
Biomass	Green Tons	2973	$2.00	$5,946.00
Totals				**$5,946.00**

Total Appraised Value: $826,889.70

Percent of Volume By Log Grade

Species	No. 1 & 2 Peeler	No. 3 Peeler	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Douglas Fir			2.0%	53.0%	41.0%	4.0%	

Species	Peeler	No. 1 Sawmill	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
White Fir				56.0%	38.0%	6.0%	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Ponderosa Pine				47.0%	48.0%	5.0%	

Species	No. 1 & 2 Peeler	No. 3 Peeler	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Port Orford Cedar				14.0%	69.0%	17.0%	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Incense-cedar				34.0%	52.0%	14.0%	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Sugar Pine				47.0%	53.0%		

Species	Peeler	No. 1 Sawmill	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Western Hemlock				58.0%	29.0%	13.0%	

Unit: 1-2

Net Volume/Acre: 24.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	388.0	418.0	423.0	1,562
White Fir	39.0	43.0	43.0	235
Ponderosa Pine	20.0	22.0	22.0	95
Port Orford Cedar	5.0	6.0	6.0	73
Incense-cedar	3.0	3.0	3.0	24
Sugar Pine	1.0	1.0	1.0	7
Totals:	**456.0**	**493.0**	**498.0**	**1,996**

Regeneration Harvest	0.0
Partial Cut	19.0
Right of Way	0.0
Total Acres:	**19.0**

Unit: 3-1

Net Volume/Acre: 24.1 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	552.0	595.0	601.0	2,220
White Fir	56.0	60.0	60.0	334
Ponderosa Pine	29.0	31.0	31.0	135
Port Orford Cedar	7.0	8.0	8.0	103
Incense-cedar	4.0	4.0	4.0	34
Sugar Pine	2.0	2.0	2.0	10
Totals:	**650.0**	**700.0**	**706.0**	**2,836**

Regeneration Harvest	0.0
Partial Cut	27.0
Right of Way	0.0
Total Acres:	**27.0**

Unit: 3-3

Net Volume/Acre: 19.8 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	821.0	886.0	899.0	3,446
White Fir	277.0	301.0	302.0	805
Ponderosa Pine	26.0	27.0	27.0	156
Incense-cedar	6.0	6.0	6.0	102
Totals:	**1,130.0**	**1,220.0**	**1,234.0**	**4,509**

Regeneration Harvest	0.0
Partial Cut	57.0
Right of Way	0.0
Total Acres:	**57.0**

Unit: 3-3ROW

Species	Net	Gross Merch	Gross	# of Trees
White Fir	9.0	10.0	10.0	45
Douglas Fir	8.0	9.0	9.0	50
Totals:	**17.0**	**19.0**	**19.0**	**95**

Net Volume/Acre: 17.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	**1.0**

Unit: 7-1

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	143.0	154.0	156.0	576
White Fir	14.0	16.0	16.0	87
Ponderosa Pine	7.0	8.0	8.0	35
Port Orford Cedar	2.0	2.0	2.0	27
Incense-cedar	1.0	1.0	1.0	9
Totals:	**167.0**	**181.0**	**183.0**	**734**

Net Volume/Acre: 23.9 MBF

Regeneration Harvest	0.0
Partial Cut	7.0
Right of Way	0.0
Total Acres:	**7.0**

Unit: 7.0RS

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	4.0	4.0	4.0	16
Ponderosa Pine	3.0	3.0	3.0	11
Totals:	**7.0**	**7.0**	**7.0**	**27**

Net Volume/Acre: 7.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	**1.0**

Unit: 9-3

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	286.0	308.0	312.0	1,151
White Fir	29.0	31.0	31.0	173
Ponderosa Pine	15.0	16.0	16.0	70
Port Orford Cedar	4.0	4.0	4.0	54
Incense-cedar	2.0	2.0	2.0	17
Sugar Pine	1.0	1.0	1.0	5
Totals:	**337.0**	**362.0**	**366.0**	**1,470**

Net Volume/Acre: 24.1 MBF

Regeneration Harvest	0.0
Partial Cut	14.0
Right of Way	0.0
Total Acres:	**14.0**

Unit: 9.2RS

Net Volume/Acre: 6.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	4.0	4.0	4.0	30
White Fir	2.0	2.0	2.0	14
Totals:	**6.0**	**6.0**	**6.0**	**44**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	**1.0**

Unit: 11-1

Net Volume/Acre: 24.1 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	286.0	308.0	312.0	1,151
White Fir	29.0	31.0	31.0	173
Ponderosa Pine	15.0	16.0	16.0	70
Port Orford Cedar	4.0	4.0	4.0	54
Incense-cedar	2.0	2.0	2.0	17
Sugar Pine	1.0	1.0	1.0	5
Totals:	**337.0**	**362.0**	**366.0**	**1,470**

Regeneration Harvest	0.0
Partial Cut	14.0
Right of Way	0.0
Total Acres:	**14.0**

Unit: 11.0RS

Net Volume/Acre: 24.7 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	334.0	356.0	364.0	2,014
White Fir	6.0	6.0	6.0	44
Port Orford Cedar	3.0	4.0	4.0	58
Incense-cedar	2.0	2.0	2.0	39
Ponderosa Pine	1.0	1.0	1.0	2
Totals:	**346.0**	**369.0**	**377.0**	**2,157**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	14.0
Total Acres:	**14.0**

Unit: 12-1

Net Volume/Acre: 24.1 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	286.0	308.0	312.0	1,151
White Fir	29.0	31.0	31.0	173
Ponderosa Pine	15.0	16.0	16.0	70
Port Orford Cedar	4.0	4.0	4.0	54
Incense-cedar	2.0	2.0	2.0	17
Sugar Pine	1.0	1.0	1.0	5
Totals:	**337.0**	**362.0**	**366.0**	**1,470**

Regeneration Harvest	0.0
Partial Cut	14.0
Right of Way	0.0
Total Acres:	**14.0**

Unit: 12-2

Net Volume/Acre: 24.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	470.0	506.0	512.0	1,891
White Fir	48.0	51.0	51.0	285
Ponderosa Pine	25.0	27.0	27.0	115
Port Orford Cedar	6.0	7.0	7.0	88
Incense-cedar	3.0	4.0	4.0	29
Sugar Pine	1.0	1.0	1.0	8
Totals:	**553.0**	**596.0**	**602.0**	**2,416**

Regeneration Harvest	0.0
Partial Cut	23.0
Right of Way	0.0
Total Acres:	**23.0**

Unit: 12-3

Net Volume/Acre: 24.1 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	184.0	198.0	200.0	740
White Fir	19.0	20.0	20.0	111
Ponderosa Pine	10.0	10.0	10.0	45
Port Orford Cedar	2.0	3.0	3.0	34
Incense-cedar	1.0	1.0	1.0	11
Sugar Pine	1.0	1.0	1.0	3
Totals:	**217.0**	**233.0**	**235.0**	**944**

Regeneration Harvest	0.0
Partial Cut	9.0
Right of Way	0.0
Total Acres:	**9.0**

Unit: 12-5

Net Volume/Acre: 24.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	491.0	528.0	535.0	1,974
White Fir	50.0	54.0	54.0	297
Ponderosa Pine	26.0	28.0	28.0	120
Port Orford Cedar	6.0	7.0	7.0	92
Incense-cedar	3.0	4.0	4.0	30
Sugar Pine	1.0	2.0	2.0	9
Totals:	**577.0**	**623.0**	**630.0**	**2,522**

Regeneration Harvest	0.0
Partial Cut	24.0
Right of Way	0.0
Total Acres:	**24.0**

Unit: 12-5RO

Net Volume/Acre: 16.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	15.0	16.0	17.0	128
Ponderosa Pine	1.0	1.0	1.0	11
Totals:	**16.0**	**17.0**	**18.0**	**139**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	**1.0**

Unit: 13-2

Net Volume/Acre: 24.1 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	388.0	418.0	423.0	1,562
White Fir	39.0	43.0	43.0	235
Ponderosa Pine	20.0	22.0	22.0	95
Port Orford Cedar	6.0	6.0	6.0	73
Incense-cedar	3.0	3.0	3.0	24
Sugar Pine	1.0	1.0	1.0	7
Totals:	**457.0**	**493.0**	**498.0**	**1,996**

Regeneration Harvest	0.0
Partial Cut	19.0
Right of Way	0.0
Total Acres:	**19.0**

Unit: 17-1

Net Volume/Acre: 24.2 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	245.0	264.0	267.0	987
White Fir	25.0	27.0	27.0	149
Ponderosa Pine	13.0	14.0	14.0	60
Port Orford Cedar	4.0	4.0	4.0	46
Incense-cedar	2.0	2.0	2.0	15
Sugar Pine	1.0	1.0	1.0	4
Totals:	**290.0**	**312.0**	**315.0**	**1,261**

Regeneration Harvest	0.0
Partial Cut	12.0
Right of Way	0.0
Total Acres:	**12.0**

Unit: 17-2

Net Volume/Acre: 24.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	429.0	462.0	468.0	1,727
White Fir	43.0	47.0	47.0	260
Ponderosa Pine	22.0	24.0	24.0	105
Port Orford Cedar	6.0	6.0	6.0	80
Incense-cedar	3.0	3.0	3.0	26
Sugar Pine	1.0	1.0	1.0	8
Totals:	**504.0**	**543.0**	**549.0**	**2,206**

Regeneration Harvest	0.0
Partial Cut	21.0
Right of Way	0.0
Total Acres:	**21.0**

Unit: 17-3

Net Volume/Acre: 19.9 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	692.0	746.0	757.0	2,902
White Fir	236.0	254.0	254.0	674
Ponderosa Pine	21.0	23.0	23.0	132
Incense-cedar	5.0	5.0	5.0	86
Totals:	**954.0**	**1,028.0**	**1,039.0**	**3,794**

Regeneration Harvest	0.0
Partial Cut	48.0
Right of Way	0.0
Total Acres:	**48.0**

Unit: 17-4

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	20.0	22.0	22.0	82
White Fir	2.0	2.0	2.0	12
Ponderosa Pine	1.0	1.0	1.0	5
Totals:	**23.0**	**25.0**	**25.0**	**99**

Net Volume/Acre: 13.0 MBF

Regeneration Harvest	0.0
Partial Cut	1.0
Right of Way	0.0
Total Acres:	**1.0**

Unit: 17.0RS

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	6.0	6.0	7.0	32
Ponderosa Pine	1.0	1.0	1.0	3
Totals:	**7.0**	**7.0**	**8.0**	**35**

Net Volume/Acre: 7.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	**1.0**

Unit: 18.1RS

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	19.0	21.0	21.0	63
Port Orford Cedar	3.0	3.0	3.0	17
Totals:	**22.0**	**24.0**	**24.0**	**80**

Net Volume/Acre: 22.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	**1.0**

Unit: 19-1

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	902.0	973.0	985.0	3,618
White Fir	91.0	98.0	98.0	545
Ponderosa Pine	47.0	51.0	51.0	220
Port Orford Cedar	13.0	13.0	13.0	177
Incense-cedar	7.0	10.0	10.0	75
Sugar Pine	1.0	1.0	1.0	25
Totals:	**1,061.0**	**1,146.0**	**1,158.0**	**4,660**

Net Volume/Acre: 24.1 MBF

Regeneration Harvest	0.0
Partial Cut	44.0
Right of Way	0.0
Total Acres:	**44.0**

Unit: 19-2

Net Volume/Acre: 14.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	838.0	903.0	913.0	3,372
White Fir	85.0	92.0	92.0	508
Ponderosa Pine	44.0	48.0	48.0	205
Port Orford Cedar	11.0	12.0	12.0	157
Incense-cedar	6.0	7.0	7.0	51
Sugar Pine	2.0	3.0	3.0	15
Totals:	**986.0**	**1,065.0**	**1,075.0**	**4,308**

Regeneration Harvest	0.0
Partial Cut	41.0
Right of Way	0.0
Total Acres:	**41.0**

Unit: 22.0RS

Net Volume/Acre: 13.6 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	129.0	138.0	140.0	1,178
Ponderosa Pine	9.0	10.0	10.0	73
White Fir	7.0	7.0	7.0	69
Port Orford Cedar	5.0	6.0	6.0	132
Totals:	**150.0**	**161.0**	**163.0**	**1,452**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	11.0
Total Acres:	**11.0**

Unit: 23-1

Net Volume/Acre: 24.1 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	266.0	286.0	290.0	1,069
White Fir	27.0	29.0	29.0	161
Ponderosa Pine	14.0	15.0	15.0	65
Port Orford Cedar	3.0	4.0	4.0	50
Incense-cedar	2.0	2.0	2.0	16
Sugar Pine	1.0	1.0	1.0	5
Totals:	**313.0**	**337.0**	**341.0**	**1,366**

Regeneration Harvest	0.0
Partial Cut	13.0
Right of Way	0.0
Total Acres:	**13.0**

Unit: 23-4

Net Volume/Acre: 24.1 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	184.0	198.0	200.0	740
White Fir	19.0	20.0	20.0	111
Ponderosa Pine	10.0	10.0	10.0	45
Port Orford Cedar	2.0	3.0	3.0	34
Sugar Pine	1.0	1.0	1.0	3
Incense-cedar	1.0	1.0	1.0	11
Totals:	**217.0**	**233.0**	**235.0**	**944**

Regeneration Harvest	0.0
Partial Cut	9.0
Right of Way	0.0
Total Acres:	**9.0**

Unit: 23-5

Net Volume/Acre: 24.2 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	225.0	242.0	245.0	905
White Fir	23.0	25.0	25.0	136
Ponderosa Pine	12.0	13.0	13.0	55
Port Orford Cedar	3.0	3.0	3.0	42
Incense-cedar	2.0	2.0	2.0	14
Sugar Pine	1.0	1.0	1.0	4
Totals:	**266.0**	**286.0**	**289.0**	**1,156**

Regeneration Harvest	0.0
Partial Cut	11.0
Right of Way	0.0
Total Acres:	**11.0**

Unit: 23.0RS

Net Volume/Acre: 6.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	6.0	6.0	6.0	31
Totals:	**6.0**	**6.0**	**6.0**	**31**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	**1.0**

Unit: 25-1

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	360.0	389.0	394.0	1,511
White Fir	123.0	132.0	132.0	351
Ponderosa Pine	11.0	12.0	12.0	69
Incense-cedar	2.0	3.0	3.0	45
Totals:	**496.0**	**536.0**	**541.0**	**1,976**

Net Volume/Acre: 19.8 MBF

Regeneration Harvest	0.0
Partial Cut	25.0
Right of Way	0.0
Total Acres:	**25.0**

Unit: 25-2

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	184.0	198.0	200.0	740
White Fir	19.0	20.0	20.0	111
Ponderosa Pine	10.0	10.0	10.0	45
Port Orford Cedar	3.0	3.0	3.0	34
Sugar Pine	1.0	1.0	1.0	3
Incense-cedar	1.0	1.0	1.0	11
Totals:	**218.0**	**233.0**	**235.0**	**944**

Net Volume/Acre: 24.2 MBF

Regeneration Harvest	0.0
Partial Cut	9.0
Right of Way	0.0
Total Acres:	**9.0**

Unit: 25-3

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	58.0	62.0	63.0	242
White Fir	20.0	21.0	21.0	56
Ponderosa Pine	2.0	2.0	2.0	11
Totals:	**80.0**	**85.0**	**86.0**	**309**

Net Volume/Acre: 20.0 MBF

Regeneration Harvest	0.0
Partial Cut	4.0
Right of Way	0.0
Total Acres:	**4.0**

Unit: 25-4

Net Volume/Acre: 24.2 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	225.0	242.0	245.0	905
White Fir	23.0	25.0	25.0	136
Ponderosa Pine	12.0	13.0	13.0	55
Port Orford Cedar	3.0	3.0	3.0	42
Incense-cedar	2.0	2.0	2.0	14
Sugar Pine	1.0	1.0	1.0	4
Totals:	**266.0**	**286.0**	**289.0**	**1,156**

Regeneration Harvest	0.0
Partial Cut	11.0
Right of Way	0.0
Total Acres:	**11.0**

Unit: 25-5

Net Volume/Acre: 24.3 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	164.0	176.0	178.0	658
White Fir	17.0	18.0	18.0	99
Ponderosa Pine	9.0	9.0	9.0	40
Port Orford Cedar	2.0	2.0	2.0	31
Incense-cedar	1.0	1.0	1.0	10
Sugar Pine	1.0	1.0	1.0	3
Totals:	**194.0**	**207.0**	**209.0**	**841**

Regeneration Harvest	0.0
Partial Cut	8.0
Right of Way	0.0
Total Acres:	**8.0**

Unit: 25.1RS

Net Volume/Acre: 20.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	77.0	82.0	83.0	508
Port Orford Cedar	2.0	3.0	3.0	36
White Fir	1.0	1.0	1.0	2
Totals:	**80.0**	**86.0**	**87.0**	**546**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	4.0
Total Acres:	**4.0**

Unit: 26-

Net Volume/Acre: 24.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	613.0	661.0	668.0	2,467
White Fir	62.0	67.0	67.0	372
Ponderosa Pine	30.0	35.0	37.0	155
Port Orford Cedar	8.0	9.0	9.0	115
Incense-cedar	4.0	5.0	5.0	37
Sugar Pine	2.0	2.0	2.0	11
Totals:	**719.0**	**779.0**	**788.0**	**3,157**

Regeneration Harvest	0.0
Partial Cut	30.0
Right of Way	0.0
Total Acres:	**30.0**

Unit: 31-2

Net Volume/Acre: 24.1 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	286.0	308.0	312.0	1,151
White Fir	29.0	31.0	31.0	173
Ponderosa Pine	15.0	16.0	16.0	70
Port Orford Cedar	4.0	4.0	4.0	54
Incense-cedar	2.0	2.0	2.0	17
Sugar Pine	1.0	1.0	1.0	5
Totals:	**337.0**	**362.0**	**366.0**	**1,470**

Regeneration Harvest	0.0
Partial Cut	14.0
Right of Way	0.0
Total Acres:	**14.0**

Unit: 34-1

Net Volume/Acre: 23.8 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	102.0	110.0	111.0	411
White Fir	10.0	11.0	11.0	62
Ponderosa Pine	5.0	6.0	6.0	25
Port Orford Cedar	1.0	2.0	2.0	19
Incense-cedar	1.0	1.0	1.0	6
Totals:	**119.0**	**130.0**	**131.0**	**523**

Regeneration Harvest	0.0
Partial Cut	5.0
Right of Way	0.0
Total Acres:	**5.0**

Unit: 34-

Net Volume/Acre: 23.8 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	102.0	110.0	111.0	411
White Fir	10.0	11.0	11.0	62
Ponderosa Pine	5.0	6.0	6.0	25
Incense-cedar	1.0	1.0	1.0	6
Port Orford Cedar	1.0	2.0	2.0	19
Totals:	**119.0**	**130.0**	**131.0**	**523**

Regeneration Harvest	0.0
Partial Cut	5.0
Right of Way	0.0
Total Acres:	**5.0**

Unit: 34-3

Net Volume/Acre: 19.8 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	331.0	358.0	363.0	1,391
White Fir	113.0	122.0	122.0	323
Ponderosa Pine	10.0	11.0	11.0	63
Incense-cedar	2.0	2.0	2.0	41
Totals:	**456.0**	**493.0**	**498.0**	**1,818**

Regeneration Harvest	0.0
Partial Cut	23.0
Right of Way	0.0
Total Acres:	**23.0**

Unit: 34.0RS

Net Volume/Acre: 18.0 MBF

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	14.0	15.0	15.0	106
White Fir	2.0	2.0	2.0	17
Ponderosa Pine	1.0	1.0	1.0	5
Western Hemlock	1.0	1.0	1.0	1
Totals:	**18.0**	**19.0**	**19.0**	**129**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
Total Acres:	**1.0**

Total Stump To Truck	Net Volume	$/MBF
$3,664,619.93	13,511.0	$271.23

Stump to Truck: Falling, Bucking, Yarding, & Loading

Yarding System	Unit of Measure	# of Units of Measure	$/Unit of Measure	Total Cost	Remarks
Cable: Medium Yarder	GM MBF	6,769.0	$301.18	$2,038,687.42	
Wheel Skidder/Feller Buncher	GM MBF	6,027.0	$209.39	$1,261,993.53	
Shovel/Processer	GM MBF	1,766.0	$184.03	$324,996.98	
Subtotal				**$3,625,677.93**	

Additional Costs

Item	Unit of Measure	# of Units of Measure	$/Unit of Measure	Total Cost	Remarks
Deadman Anchor	Each	8.0	$450.00	$3,600.00	
Intermediate Support	Each	11.0	$250.00	$2,750.00	
Lift Tree	Each	41.0	$150.00	$6,150.00	
Subtotal				**$12,500.00**	

Additional Moves

Equipment	Unit of Measure	# of Units of Measure	$/Unit of Measure	Total Cost	Remarks
Cable: Medium Yarder	Hour	18.0	$169.00	$3,042.00	
Loader	Hour	36.0	$169.00	$6,084.00	
Shovel	Hour	18.0	$169.00	$3,042.00	
Harvester/Forwarder	Hour	36.0	$169.00	$6,084.00	
Feller Buncher	Hour	18.0	$138.00	$2,484.00	
Wheel Skidder	Hour	36.0	$111.00	$3,996.00	
Track Skidder	Hour	18.0	$95.00	$1,710.00	
Subtotal				**$26,442.00**	

Total	Net Volume	$/MBF
$923,958.90	13,511.0	$68.39

Utilization Center	One Way Mileage	Description	Unit of Measure	# of Units	$/Unit of Measure	Total Cost	% of Sale Volume
White City	47.0	All Species	GM MBF	14,562.0	$63.45	$923,958.90	100%

Engineering Allowances

Total	Net Volume	$/MBF
$1,398,354.36	13,511.0	$103.50

Cost Item	Total Cost
Road Construction:	$1,208,906.22
Road Maintenance/Rockwear:	$189,448.14
Road Use Fees:	$0.00

Total	Net Volume	$/MBF
$209,326.00	13,511.0	$15.49

Environmental Protection

Cost item	Total Cost
Snag Creation	$31,472.00
Waterbar Corridors	$780.00
Waterbar Skids & Temp Routes	$4,125.00
Barricade Skids & Temp Routes	$3,360.00
Equipment Washing (Small)	$2,000.00
Equipment Washing (Large)	$3,000.00
Ripping Skids	$4,210.00
Seed & Mulch	$35,000.00
Subtotal	**$83,947.00**

Logging

Cost item	Total Cost
Skid Location	$1,200.00
Corridor Location	$1,200.00
Landing Construction	$5,280.00
Subtotal	**$7,680.00**

Road Construction, Maintenance, Use, & Decommissioning

Cost item	Total Cost
Culvert Cleaning	$600.00
Subtotal	**$600.00**

Slash Disposal & Site Prep

Cost item	Total Cost
Lop & Scatter	$18,902.00
Cover & Burn Landing Decks	$3,751.00

Cover & Burn Roadside Piles	$2,294.00
Machine Pile Burn & Mop-up	$5,396.00
Handpile Burn & Mop-Up	$4,592.00
Landing Clean-up	$2,640.00
Handpile & Cover	$33,544.00
Machine Pile & Cover	$45,980.00
Subtotal	**$117,099.00**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Version: 8.0.0.34

Summary of All Roads and Projects Updated: 11/4/2022

T.S. Contract Name: Cedar Flat Timber Sa Tract No: ORM07-TS-2026.0007 Sale Date: 09/2026
Prepared by: BLM Ph: Print Date: 8/10/2026 12:30:10 PM
Construction: 0.00 Sta
Improve: 98.21 Sta Renov: 2374.43 Sta Decom: 0.00 Sta Temp: 78.14 Sta

200 Clearing and Grubbing: 34.78 acres $188,237.55

300 Excavation: 6335 cy $37,448.43
Haul < 500 ft: 6335 Sta-yds
Haul > 500 ft: 0 yd-mi

400 Drainage: $141,992.69
Culvert: 1,500.00 Lf Downspout: 150.00 Lf
Polypipe: 0.00 Lf

500 Renovation: $169,133.19
Blading 34.20 mi
Slide Removal 290.00 cy

700-1200 Surfacing: $496,677.40
3 Stage Crushed Quarry Name: Rock Cr - BLM Stockpile 629.00 LCY
Commercial Quarry Name: CPI - 1.5" minus 7,231.00 LCY
Commercial Quarry Name: CPI - 4" minus 2,715.00 LCY

1300 Geotextiles: $0.00

1400 Slope Protection: $26,000.00
Quarry Name: CPI – Class 3 Riprap 650.00 LCY

1800 Soil Stabilization: 9.05 acres $9,292.77
Includes Small Quantity Factor of 1.06

1900 Cattleguards: $0.00

2100 Roadside Brushing: $74,303.69
Manual Brushing: 48.40 acres

2300 Engineering: 0.00 Sta. $0.00

2400 Minor Concrete: $0.00

2500 Gabions: $0.00

8000 Miscellaneous: $8,350.00

Mobilization: Const. $57,470.50 Surf. $0.00..... $57,470.50

Quarry Development: $0.00

Total: 13,511 Mbf @ $89.476/Mbf =
$1,208,906.22

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities are loose cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 37-6-36.00 J Road Name: Spencer Creek
Road Renovation: 0.19 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$519.77
Blading 0.19 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.28 acres	$245.75
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $38.21 Surf. $0.00	$38.21
Quarry Development:	$0.00
Total:	$803.72

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 37-6-36.00 J Road Name: Spencer Creek

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.19 mi = $216.11
  Blading w/o Ditches: $568.71/mi x 0.19 mi = $108.05
  Compaction: $424.32/mi x 0.19 mi = $80.62
  Water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $519.77

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Light: $482.82/acre x 0.28 acres = $135.19
  Chipping Brush
   Brush Chipper 1 Hr x $110.56/Hr = $110.56

Subtotal: $245.75

Mobilization:
  Construction - 0.07% of total Costs = $38.21

Subtotal: $38.21

Total: $803.72

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-06.00 A-E Road Name: Cedar Flat
Road Renovation: 6.96 mi 16 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$9,215.84
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):6.75 acres	$5,912.48
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $755.08 Surf. $0.00	$755.08
Quarry Development:	$0.00
Total:	$15,883.39

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-06.00 A-E Road Name: Cedar Flat

Section 500 Renovation:
  Clean Culverts: $514.62/mi x 6.96 mi = $3,581.76
  Cleaning Ditches BST
   Motor Grader 14M 16 Hr x $187.45/Hr = $2,999.20
   Dump Truck 10 cy   16 Hr x $108.74/Hr = $1,739.84
   Backhoe 8 Hr x $111.88/Hr = $895.04

Subtotal: $9,215.84

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Light: $482.82/acre x 6.75 acres = $3,259.04
  Chipping Brush
   Brush Chipper 24 Hr x $110.56/Hr = $2,653.44

Subtotal: $5,912.48

Mobilization:
  Construction - 1.31% of total Costs = $755.08

Subtotal: $755.08

Total: $15,883.39

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-06.02 A Road Name: Cedar Bill
Road Renovation: 0.90 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$14,258.46
Culvert: 134.00 Lf	
Downspout: 20.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$2,662.25
Blading 0.90 mi	
700-1200 Surfacing:	$5,065.20
Quarry Name: CPI - 1.5" minus 120.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.31 acres	$2,260.03
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $1,225.14 Surf. $0.00	$1,225.14
Quarry Development:	$0.00
Total:	$25,771.07

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-06.02 A Road Name: Cedar Bill

Section 400 Drainage:

Aluminized Milepost 0.57		24 inch 16 ga 44 Lf x $64.28/Lf	= $2,828.32
Aluminized Milepost 0.66		36 inch 14 ga 50 Lf x $93.00/Lf	= $4,650.00
Aluminized Milepost 0.86		24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Full Round	Milepost 0.57	24 inch 20 Lf x $34.20/Lf	= $684.00
Splash Pads	Milepost 0.66	1 Ea x $222.47/Ea	= $222.47
Splash Pads	Milepost 0.86	1 Ea x $222.47/Ea	= $222.47

Additional CMP Cost

Additional CMP Cost 154 LF x $20.00/LF = $3,080.00

Subtotal: $14,258.46

Section 500 Renovation:

Blading: $939.38/mi x 0.90 mi = $845.44
Scarification: $1137.42/mi x 0.45 mi = $511.84
Compaction: $424.32/mi x 0.90 mi = $381.89
Clean Culverts: $514.62/mi x 0.90 mi = $463.16
Water for Compaction

Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92

Subtotal: $2,662.25

Section 700-1200 Surfacing:

Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
									120 LCY

Rock Volume = 120.00 LCY
Purchase Price / Royalty: $18.00/LCY x 120.00 LCY = $2,160.00
Processing: $1.22/LCY x 120.00 LCY = $146.40
Compaction: $1.41/LCY x 120.00 LCY = $169.20
Grid Rolling: $3.06/LCY x 120.00 LCY = $367.20
T11 & T27 Testing: $0.10/LCY x 120.00 LCY = $12.00
Basic Rock Haul cost: $1.71/LCY x 120.00 LCY = $205.20
Rock Haul +15% grades: $2.56/LCY-mi x 120.00 LCY x 1.50 mi= $460.80
Rock Haul -15% grades: $1.28/LCY-mi x 120.00 LCY x 3.50 mi= $537.60
Rock Haul St& Co Roads: $0.57/LCY-mi x 120.00 LCY x 12.00 mi= $820.80
Basic Water Haul cost: $0.83/LCY x 120.00 LCY = $99.60
Water Haul +15% grades: $0.36/LCY-mi x 120.00 LCY x 2.00 mi= $86.40

Subtotal: $5,065.20

Section 2100 Roadside Brushing:

Manual Brushing

Roadside Brushing Medium: $965.64/acre x 1.31 acres = $1,264.99
Chipping Brush

Brush Chipper 9 Hr x $110.56/Hr = $995.04

Subtotal: $2,260.03

Section 8000 Miscellaneous:

HPOC Sites

HPOC 2 EA x $150.00/EA = $300.00

Subtotal: $300.00

Mobilization:

Construction - 2.13% of total Costs = $1,225.14

Subtotal: $1,225.14

Total: $25,771.07

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-07.00 A-C2 Road Name: Lone Creek
Road Renovation: 2.92 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.41 acres	$2,438.91
300 Excavation:	$0.00
400 Drainage:	$39,104.16
Culvert: 430.00 Lf	
Downspout: 20.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$8,600.53
Blading 2.92 mi	
700-1200 Surfacing:	$12,356.00
Quarry Name: Rock Cr - BLM Stockpile 400.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.10 acres	$102.93
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):3.84 acres	$5,477.02
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$750.00
Mobilization: Const. $3,435.42 Surf. $0.00	$3,435.42
Quarry Development:	$0.00
Total:	$72,264.98

Notes:
- Quantities shown are estimates only and not pay items.
- Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-07.00 A-C2 Road Name: Lone Creek

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
46+% (Avg Side Slopes): Adjustment Factor (0.3)
Pile and Burn (Slash): Adjustment Factor (1.28)
less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)
Total Adjustment Factor:1.67 + 0.3 + 1.28 + 0.25 = 3.50
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.50 x Total Acres: 0.41 = $1,760.11
RMU Clear and Grub
Excavator - Large (3 CY) 4 Hr x $169.70/Hr = $678.80

Subtotal: $2,438.91

Section 400 Drainage:

Aluminized Milepost 0.16	24 inch 16 ga 46 Lf x $64.28/Lf	= $2,956.88
Aluminized Milepost 0.23	24 inch 16 ga 46 Lf x $64.28/Lf	= $2,956.88
Aluminized Milepost 0.32	24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 0.39	24 inch 16 ga 36 Lf x $64.28/Lf	= $2,314.08
Aluminized Milepost 0.61	24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 1.05	24 inch 16 ga 46 Lf x $64.28/Lf	= $2,956.88
Aluminized Milepost 1.65	24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 1.78	24 inch 16 ga 46 Lf x $64.28/Lf	= $2,956.88
Aluminized Milepost 1.89	24 inch 16 ga 50 Lf x $64.28/Lf	= $3,214.00
Aluminized Milepost 2.91	24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20

Full Round	Milepost 0.32	24 inch 10 Lf x $34.20/Lf = $342.00
Full Round	Milepost 0.39	24 inch 10 Lf x $34.20/Lf = $342.00
Splash Pads	Milepost 0.16	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 0.23	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 0.61	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 1.05	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 1.65	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 1.78	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 1.89	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 2.91	1 Ea x $222.47/Ea = $222.47

Additional CMP Costs
Additional CMP Cost 450 LF x $20.00/LF = $9,000.00

Subtotal: $39,104.16

Section 500 Renovation:
Blading: $939.38/mi x 2.92 mi = $2,742.99
Scarification: $1137.42/mi x 1.00 mi = $1,137.42
Compaction: $424.32/mi x 2.92 mi = $1,239.01
Clean Culverts: $514.62/mi x 2.92 mi = $1,502.69
Water for Compaction
Water Truck 3000 Gal 12 Hr x $114.98/Hr = $1,379.76
RMU Road Repairs
Backhoe 2 Hr x $111.88/Hr = $223.76
Motor Grader 14M 2 Hr x $187.45/Hr = $374.90

Subtotal: $8,600.53

Section 700-1200 Surfacing:

3 Stage Crusher Quarry Name: Rock Cr - BLM Stockpile

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
									400 LCY

Rock Volume = 400.00 LCY
Production: $8.85/LCY x 400.00 LCY = $3,540.00
Processing: $1.22/LCY x 400.00 LCY = $488.00
Compaction: $1.41/LCY x 400.00 LCY = $564.00
Grid Rolling: $3.06/LCY x 400.00 LCY = $1,224.00

Road Number: 39-5-07.00 A-C2 Lone Creek Continued

Basic Rock Haul cost: $1.71/LCY x 400.00 LCY = $684.00
Rock Haul +15% grades: $2.56/LCY-mi x 400.00 LCY x 2.00 mi= $2,048.00
Rock Haul -15% grades: $1.28/LCY-mi x 400.00 LCY x 4.00 mi= $2,048.00
Rock Haul St& Co Roads: $0.57/LCY-mi x 400.00 LCY x 5.00 mi= $1,140.00
Basic Water Haul cost: $0.83/LCY x 400.00 LCY = $332.00
Water Haul +15% grades: $0.36/LCY-mi x 400.00 LCY x 2.00 mi= $288.00

Subtotal: $12,356.00

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.10 acres = $57.73
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.10 acres = $13.20
+ Mulch Cost: $320.00/acre x 0.10 acres = $32.00

Subtotal: $102.93

Section 2100 Roadside Brushing:
Manual Brushing
Comment: Some brushing acreage covered under RMU clear and grubbing
Roadside Brushing Medium: $965.64/acre x 3.84 acres = $3,708.06
Chipping Brush
Brush Chipper 16 Hr x $110.56/Hr = $1,768.96

Subtotal: $5,477.02

Section 8000 Miscellaneous:
HPOC Sites
HPOC 5 EA x $150.00/EA = $750.00

Subtotal: $750.00

Mobilization:
Construction - 5.98% of total Costs = $3,435.42

Subtotal: $3,435.42

Total: $72,264.98

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-07.01 Road Name: Cedar Bill Spur
Road Renovation: 0.71 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$14,037.56
Culvert: 156.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$5,098.98
Blading 0.71 mi	
Slide Removal 170.00 cy	
700-1200 Surfacing:	$6,958.40
Quarry Name: CPI - 1.5" minus 160.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.03 acres	$2,873.70
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $1,445.88 Surf. $0.00	$1,445.88
Quarry Development:	$0.00
Total:	$30,414.53

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-07.01 Road Name: Cedar Bill Spur

Section 400 Drainage:

Aluminized Milepost 0.19		24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 0.30		24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 0.63		24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 0.65		24 inch 16 ga 36 Lf x $64.28/Lf	= $2,314.08
Splash Pads	Milepost 0.19	1 Ea x $222.47/Ea	= $222.47
Splash Pads	Milepost 0.30	1 Ea x $222.47/Ea	= $222.47
Splash Pads	Milepost 0.63	1 Ea x $222.47/Ea	= $222.47
Splash Pads	Milepost 0.65	1 Ea x $222.47/Ea	= $222.47

Additional CMP Cost

Additional CMP Cost 156 LF x $20.00/LF = $3,120.00

Subtotal: $14,037.56

Section 500 Renovation:

Slide Removal 170.00 cy
Dump Truck: $108.74/Hr x 12.00 Hr = $1,304.88
Grader: $187.45/Hr x 2.00 Hr = $374.90
Backhoe: $111.88/Hr x 12.00 Hr = $1,342.56
Blading: $939.38/mi x 0.71 mi = $666.96
Scarification: $1137.42/mi x 0.35 mi = $398.10
Compaction: $424.32/mi x 0.71 mi = $301.27
Clean Culverts: $514.62/mi x 0.71 mi = $365.38
Water for Compaction

Water Truck 3000 Gal 3 Hr x $114.98/Hr = $344.94

Subtotal: $5,098.98

Section 700-1200 Surfacing:

Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
									160 LCY

Rock Volume = 160.00 LCY
Purchase Price / Royalty: $18.00/LCY x 160.00 LCY = $2,880.00
Processing: $1.22/LCY x 160.00 LCY = $195.20
Compaction: $1.41/LCY x 160.00 LCY = $225.60
Grid Rolling: $3.06/LCY x 160.00 LCY = $489.60
T11 & T27 Testing: $0.10/LCY x 160.00 LCY = $16.00
Basic Rock Haul cost: $1.71/LCY x 160.00 LCY = $273.60
Rock Haul +15% grades: $2.56/LCY-mi x 160.00 LCY x 2.00 mi= $819.20
Rock Haul -15% grades: $1.28/LCY-mi x 160.00 LCY x 3.50 mi= $716.80
Rock Haul St& Co Roads: $0.57/LCY-mi x 160.00 LCY x 12.00 mi= $1,094.40
Basic Water Haul cost: $0.83/LCY x 160.00 LCY = $132.80
Water Haul +15% grades: $0.36/LCY-mi x 160.00 LCY x 2.00 mi= $115.20

Subtotal: $6,958.40

Section 2100 Roadside Brushing:

Manual Brushing

Roadside Brushing Heavy: $1931.28/acre x 1.03 acres = $1,989.22
Chipping Brush

Brush Chipper 8 Hr x $110.56/Hr = $884.48

Subtotal: $2,873.70

Mobilization:

Construction - 2.52% of total Costs = $1,445.88

Subtotal: $1,445.88

Total: $30,414.53

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-14.00 A Road Name: Rock Creek
Road Renovation: 1.34 mi 16 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$2,098.11
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.30 acres	$1,069.91
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $158.12 Surf. $0.00	$158.12
Quarry Development:	$0.00
Total:	$3,326.14

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-14.00 A Road Name: Rock Creek

Section 500 Renovation:
  Clean Culverts: $514.62/mi x 1.34 mi = $689.59
  Cleaning Ditches
   Motor Grader 14M 4 Hr x $187.45/Hr = $749.80
   Backhoe 2 Hr x $111.88/Hr = $223.76
   Dump Truck 10 cy   4 Hr x $108.74/Hr = $434.96

Subtotal: $2,098.11

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Light: $482.82/acre x 1.30 acres = $627.67
  Chipping Brush
   Brush Chipper 4 Hr x $110.56/Hr = $442.24

Subtotal: $1,069.91

Mobilization:
  Construction - 0.28% of total Costs = $158.12

Subtotal: $158.12

Total: $3,326.14

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-17.00 Road Name: Lone Creek East
Road Renovation: 1.08 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.18 acres	$1,112.13
300 Excavation:	$0.00
400 Drainage:	$16,921.81
Culvert: 180.00 Lf	
Downspout: 20.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$3,271.36
Blading 1.08 mi	
700-1200 Surfacing:	$66,432.71
Quarry Name: CPI - 1.5" minus 1,555.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.05 acres	$51.47
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.39 acres	$1,895.04
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $4,491.31 Surf. $0.00	$4,491.31
Quarry Development:	$0.00
Total:	$94,475.83

Notes:
- Quantities shown are estimates only and not pay items.
- Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-17.00 Road Name: Lone Creek East

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
46+% (Avg Side Slopes): Adjustment Factor (0.3)
Pile and Burn (Slash): Adjustment Factor (1.28)
less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)
Total Adjustment Factor:1.67 + 0.3 + 1.28 + 0.25 = 3.50
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.50 x Total Acres: 0.18 = $772.73
RMU Clear and Grub
Excavator - Large (3 CY) 2 Hr x $169.70/Hr = $339.40

Subtotal: $1,112.13

Section 400 Drainage:

Aluminized Milepost 0.20		24 inch 16 ga 40 Lf x $64.28/Lf = $2,571.20
Aluminized Milepost 0.24		24 inch 16 ga 36 Lf x $64.28/Lf = $2,314.08
Aluminized Milepost 0.32		24 inch 16 ga 34 Lf x $64.28/Lf = $2,185.52
Aluminized Milepost 0.39		24 inch 16 ga 34 Lf x $64.28/Lf = $2,185.52
Aluminized Milepost 0.55		24 inch 16 ga 36 Lf x $64.28/Lf = $2,314.08
Full Round	Milepost 0.20	24 inch 10 Lf x $34.20/Lf = $342.00
Full Round	Milepost 0.24	24 inch 10 Lf x $34.20/Lf = $342.00
Splash Pads	Milepost 0.32	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 0.39	1 Ea x $222.47/Ea = $222.47
Splash Pads	Milepost 0.55	1 Ea x $222.47/Ea = $222.47

Additional CMP Costs
Additional CMP Cost 200 LF x $20.00/LF = $4,000.00

Subtotal: $16,921.81

Section 500 Renovation:
Blading: $939.38/mi x 0.54 mi = $507.27
Scarification: $1137.42/mi x 0.50 mi = $568.71
Blading w/o Ditches: $568.71/mi x 0.54 mi = $307.10
Compaction: $424.32/mi x 1.08 mi = $458.27
Clean Culverts: $514.62/mi x 1.08 mi = $555.79
Water for Compaction
Water Truck 3000 Gal 5 Hr x $114.98/Hr = $574.90
RMU Road Repair
Motor Grader 14M 1 Hr x $187.45/Hr = $187.45
Backhoe 1 Hr x $111.88/Hr = $111.88

Subtotal: $3,271.36

Section 700-1200 Surfacing:
Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
1.08mi	14ft	15ft	4in	10%	5	10ft	50ft	25ft	

Rock Volume = 1,555.00 LCY
Purchase Price / Royalty: $18.00/LCY x 1,555.00 LCY = $27,990.00
Processing: $1.22/LCY x 1,555.00 LCY = $1,897.10
Compaction: $1.41/LCY x 1,555.00 LCY = $2,192.55
Grid Rolling: $3.06/LCY x 1,555.00 LCY = $4,758.30
T11 & T27 Testing: $0.10/LCY x 1,555.00 LCY = $155.50
Basic Rock Haul cost: $1.71/LCY x 1,555.00 LCY = $2,659.05
Rock Haul +15% grades: $2.56/LCY-mi x 1,555.00 LCY x 1.25 mi= $4,976.00
Rock Haul -15% grades: $1.28/LCY-mi x 1,555.00 LCY x 4.40 mi= $8,757.76
Rock Haul St& Co Roads: $0.57/LCY-mi x 1,555.00 LCY x 12.00 mi= $10,636.20
Basic Water Haul cost: $0.83/LCY x 1,555.00 LCY = $1,290.65
Water Haul +15% grades: $0.36/LCY-mi x 1,555.00 LCY x 2.00 mi= $1,119.60

Subtotal: $66,432.71

Road Number: 39-5-17.00 Lone Creek East Continued

Section 1800 Soil Stabilization:
  Dry Method with Mulch: $577.32/acre x 0.05 acres = $28.87
        Includes Small Quantity Factor of 1.06
        + Seed Cost: $132.00/acre x 0.05 acres = $6.60
        + Mulch Cost: $320.00/acre x 0.05 acres = $16.00

Subtotal: $51.47

Section 2100 Roadside Brushing:
Manual Brushing
 Comment: Some brushing acreage covered under RMU clear and grubbing
  Roadside Brushing Medium: $965.64/acre x 1.39 acres = $1,342.24
  Chipping Brush
   Brush Chipper 5 Hr x $110.56/Hr = $552.80

Subtotal: $1,895.04

Section 8000 Miscellaneous:
  HPOC Sites
   HPOC 2 EA x $150.00/EA = $300.00

Subtotal: $300.00

Mobilization:
  Construction - 7.81% of total Costs = $4,491.31

Subtotal: $4,491.31

Total: $94,475.83

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-17.03 Road Name: Lone Creek Spur
Road Renovation: 0.07 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$264.11
Blading 0.07 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.10 acres	$207.12
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $23.52 Surf. $0.00	$23.52
Quarry Development:	$0.00
Total:	$494.76

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-17.03 Road Name: Lone Creek Spur

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.07 mi = $79.62
  Blading w/o Ditches: $568.71/mi x 0.07 mi = $39.81
  Compaction: $424.32/mi x 0.07 mi = $29.70
  Water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $264.11

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 0.10 acres = $96.56
  Chipping Brush
   Brush Chipper 1 Hr x $110.56/Hr = $110.56

Subtotal: $207.12

Mobilization:
  Construction - 0.04% of total Costs = $23.52

Subtotal: $23.52

Total: $494.76

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-17.04 Road Name: Lone Creek Spur
Road Renovation: 0.94 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$8,517.90
Blading 0.94 mi	
Slide Removal 20.00 cy	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$6,000.00
Quarry Name: CPI – Class 3 Riprap 150.00 LCY	
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.37 acres	$1,875.73
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $818.24 Surf. $0.00	$818.24
Quarry Development:	$0.00
Total:	$17,211.87

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-17.04 Road Name: Lone Creek Spur

Section 500 Renovation:
  Slide Removal 20.00 cy
  Dump Truck: $108.74/Hr x 2.00 Hr = $217.48
  Grader: $187.45/Hr x 1.00 Hr = $187.45
  Backhoe: $111.88/Hr x 2.00 Hr = $223.76
  Blading: $939.38/mi x 0.94 mi = $883.02
  Scarification: $1137.42/mi x 0.50 mi = $568.71
  Compaction: $424.32/mi x 0.94 mi = $398.86
  Clean Culverts: $514.62/mi x 0.94 mi = $483.74
  Water for Compaction
   Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92
  Fill Failure Repair 0.64
   Excavator - Large (3 CY) 12 Hr x $169.70/Hr = $2,036.40
   Vibratory roller, Steel Drum 6 Hr x $141.44/Hr = $848.64
   Water Truck 3000 Gal 6 Hr x $114.98/Hr = $689.88
   Tractor: D7 with rippers 6 Hr x $253.34/Hr = $1,520.04
                                                Subtotal: $8,517.90

Section 1400 Slope Protection:
  Fill Failure Repair 0.64
   Class 3 Riprap 150 CY x $40.00/CY = $6,000.00
                                                Subtotal: $6,000.00

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 1.37 acres = $1,322.93
  Chipping Brush
   Brush Chipper 5 Hr x $110.56/Hr = $552.80
                                                Subtotal: $1,875.73

Mobilization:
  Construction - 1.42% of total Costs = $818.24
                                                Subtotal: $818.24

                                                Total: $17,211.87

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-17.05 Road Name: Lone Creek Spur
Road Renovation: 0.05 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$164.63
Blading 0.05 mi	
700-1200 Surfacing:	$2,454.47
Quarry Name: Rock Cr - BLM Stockpile 69.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.07 acres	$178.15
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $139.62 Surf. $0.00	$139.62
Quarry Development:	$0.00
Total:	$2,936.87

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-17.05 Road Name: Lone Creek Spur

Section 500 Renovation:
  Blading w/o Ditches: $568.71/mi x 0.05 mi = $28.44
  Compaction: $424.32/mi x 0.05 mi = $21.22
  Water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $164.63

Section 700-1200 Surfacing:

3 Stage Crusher Quarry Name: Rock Cr - BLM Stockpile

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
									69 LCY

  Rock Volume = 69.00 LCY
  Production: $8.85/LCY x 69.00 LCY = $610.65
  Processing: $1.22/LCY x 69.00 LCY = $84.18
  Compaction: $1.41/LCY x 69.00 LCY = $97.29
  Grid Rolling: $3.06/LCY x 69.00 LCY = $211.14
  Basic Rock Haul cost: $1.71/LCY x 69.00 LCY = $117.99
  Rock Haul +15% grades: $2.56/LCY-mi x 69.00 LCY x 2.00 mi= $353.28
  Rock Haul -15% grades: $1.28/LCY-mi x 69.00 LCY x 4.40 mi= $388.61
  Rock Haul St& Co Roads: $0.57/LCY-mi x 69.00 LCY x 12.00 mi= $471.96
  Basic Water Haul cost: $0.83/LCY x 69.00 LCY = $57.27
  Water Haul +15% grades: $0.36/LCY-mi x 69.00 LCY x 2.50 mi= $62.10

Subtotal: $2,454.47

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 0.07 acres = $67.59
  Chipping Brush
   Brush Chipper 1 Hr x $110.56/Hr = $110.56

Subtotal: $178.15

Mobilization:
  Construction - 0.24% of total Costs = $139.62

Subtotal: $139.62

Total: $2,936.87

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-17.06 Road Name: Lone Creek Spur
Road Improvement: 0.28 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.68 acres	$5,425.90
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$18,249.15
Blading 0.28 mi	
Slide Removal 100.00 cy	
700-1200 Surfacing:	$50,820.26
Quarry Name: CPI - 1.5" minus 373.00 LCY	
Quarry Name: CPI - 4" minus 799.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$20,000.00
Quarry Name: CPI – Class 3 Riprap 500.00 LCY	
1800 Soil Stabilization: 0.20 acres	$205.86
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.41 acres	$617.03
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $4,757.53 Surf. $0.00	$4,757.53
Quarry Development:	$0.00
Total:	$100,075.73

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-17.06 Road Name: Lone Creek Spur

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.1 = 3.25
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.25 x Total Acres: 0.68 = $2,710.70
Clear and Grub
Excavator - Large (3 CY) 16 Hr x $169.70/Hr = $2,715.20

Subtotal: $5,425.90

Section 500 Renovation:
Slide Removal 100.00 cy
Dump Truck: $108.74/Hr x 6.00 Hr = $652.44
Grader: $187.45/Hr x 2.00 Hr = $374.90
Backhoe: $111.88/Hr x 6.00 Hr = $671.28
Scarification: $1137.42/mi x 0.28 mi = $318.48
Blading w/o Ditches: $568.71/mi x 0.28 mi = $159.24
Compaction: $424.32/mi x 0.28 mi = $118.81
Fill Failure Repair MP 0.12
Excavator - Large (3 CY) 12 Hr x $169.70/Hr = $2,036.40
Tractor: D7 with rippers 6 Hr x $253.34/Hr = $1,520.04
Vibratory roller, Steel Drum 6 Hr x $141.44/Hr = $848.64
Water Truck 3000 Gal 6 Hr x $114.98/Hr = $689.88
Fill Failure Repair MP 0.13
Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60
Tractor: D7 with rippers 6 Hr x $253.34/Hr = $1,520.04
Water Truck 3000 Gal 6 Hr x $114.98/Hr = $689.88
Vibratory roller, Steel Drum 6 Hr x $141.44/Hr = $848.64
Fill Failure Repair MP 0.14
Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60
Tractor: D7 with rippers 6 Hr x $253.34/Hr = $1,520.04
Vibratory roller, Steel Drum 6 Hr x $141.44/Hr = $848.64
Water Truck 3000 Gal 6 Hr x $114.98/Hr = $689.88
Heavy Rutting Repair
Tractor: D7 with rippers 8 Hr x $253.34/Hr = $2,026.72

Subtotal: $18,249.15

Section 700-1200 Surfacing:

Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.28mi	13ft	14ft	4in	10%	1	10ft	50ft	25ft	

Rock Volume = 373.00 LCY
Purchase Price / Royalty: $18.00/LCY x 373.00 LCY = $6,714.00
Processing: $1.22/LCY x 373.00 LCY = $455.06
Compaction: $1.41/LCY x 373.00 LCY = $525.93
Grid Rolling: $3.06/LCY x 373.00 LCY = $1,141.38
T11 & T27 Testing: $0.10/LCY x 373.00 LCY = $37.30
Basic Rock Haul cost: $1.71/LCY x 373.00 LCY = $637.83
Rock Haul +15% grades: $2.56/LCY-mi x 373.00 LCY x 1.50 mi= $1,432.32
Rock Haul -15% grades: $1.28/LCY-mi x 373.00 LCY x 4.40 mi= $2,100.74
Rock Haul St& Co Roads: $0.57/LCY-mi x 373.00 LCY x 12.00 mi= $2,551.32
Basic Water Haul cost: $0.83/LCY x 373.00 LCY = $309.59
Water Haul +15% grades: $0.36/LCY-mi x 373.00 LCY x 2.00 mi= $268.56

Commercial Quarry Name: CPI - 4" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.28mi	14ft	15ft	8in	10%	1	10ft	50ft	25ft	

Road Number: 39-5-17.06 Lone Creek Spur Continued

Rock Volume = 799.00 LCY
Purchase Price / Royalty: $18.00/LCY x 799.00 LCY = $14,382.00
Processing: $1.22/LCY x 799.00 LCY = $974.78
Compaction: $1.41/LCY x 799.00 LCY = $1,126.59
Grid Rolling: $3.06/LCY x 799.00 LCY = $2,444.94
T11 & T27 Testing: $0.10/LCY x 799.00 LCY = $79.90
Basic Rock Haul cost: $1.71/LCY x 799.00 LCY = $1,366.29
Rock Haul +15% grades: $2.56/LCY-mi x 799.00 LCY x 1.50 mi= $3,068.16
Rock Haul -15% grades: $1.28/LCY-mi x 799.00 LCY x 4.40 mi= $4,499.97
Rock Haul St& Co Roads: $0.57/LCY-mi x 799.00 LCY x 12.00 mi= $5,465.16
Basic Water Haul cost: $0.83/LCY x 799.00 LCY = $663.17
Water Haul +15% grades: $0.36/LCY-mi x 799.00 LCY x 2.00 mi= $575.28

Subtotal: $50,820.26

Section 1400 Slope Protection:
Fill Failure Repair MP 0.12
Class 3 Riprap 200 CY x $40.00/CY = $8,000.00
Fill Failure Repair MP 0.13
Class 3 Riprap 150 CY x $40.00/CY = $6,000.00
Fill Failure Repair MP 0.14
Class 3 Riprap 150 CY x $40.00/CY = $6,000.00

Subtotal: $20,000.00

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.20 acres = $115.46
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.20 acres = $26.40
+ Mulch Cost: $320.00/acre x 0.20 acres = $64.00

Subtotal: $205.86

Section 2100 Roadside Brushing:
Manual Brushing
Roadside Brushing Medium: $965.64/acre x 0.41 acres = $395.91
Chipping Brush
Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $617.03

Mobilization:
Construction - 8.28% of total Costs = $4,757.53

Subtotal: $4,757.53

Total: $100,075.73

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-18.01 A-D Road Name: Low Divide
Road Renovation: 3.80 mi 16 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.47 acres	$1,533.45
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$6,181.12
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.15 acres	$154.40
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):3.68 acres	$3,103.50
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $547.66 Surf. $0.00	$547.66
Quarry Development:	$0.00
Total:	$11,520.12

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-18.01 A-D Road Name: Low Divide

Section 200 Clearing and Grubbing:
   Clearing - Light (Clearing): Adjustment Factor (0.93)
   31-45% (Avg Side Slopes): Adjustment Factor (0.2)
   Pile and Burn (Slash): Adjustment Factor (1.28)
   less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)
   Total Adjustment Factor:0.93 + 0.2 + 1.28 + 0.25 = 2.66
   Base Cost/Acre: $1,226.56 x Adjustment Factor: 2.66 x Total Acres: 0.47 = $1,533.45
                                                                Subtotal: $1,533.45

Section 500 Renovation:
  Clean Culverts: $514.62/mi x 3.80 mi = $1,955.56
  Ditch Cleaning
   Motor Grader 14M 12 Hr x $187.45/Hr = $2,249.40
   Backhoe 6 Hr x $111.88/Hr = $671.28
   Dump Truck 10 cy   12 Hr x $108.74/Hr = $1,304.88
                                                                Subtotal: $6,181.12

Section 700-1200 Surfacing:
Surfacing:
Section 1800 Soil Stabilization:
  Dry Method with Mulch: $577.32/acre x 0.15 acres = $86.60
        Includes Small Quantity Factor of 1.06
        + Seed Cost: $132.00/acre x 0.15 acres = $19.80
        + Mulch Cost: $320.00/acre x 0.15 acres = $48.00
                                                                Subtotal: $154.40

Section 2100 Roadside Brushing:
Manual Brushing
 Comment: Some brushing acreage covered under RMU clear and grubbing
  Roadside Brushing Light: $482.82/acre x 3.68 acres = $1,776.78
  Chipping Brush
   Brush Chipper 12 Hr x $110.56/Hr = $1,326.72
                                                                Subtotal: $3,103.50

Mobilization:
  Construction - 0.95% of total Costs = $547.66
                                                                Subtotal: $547.66

                                                                Total: $11,520.12

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-19.00 A-C Road Name: S/M P Line
Road Renovation: 1.76 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$7,187.34
Culvert: 80.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$5,078.75
Blading 1.76 mi	
700-1200 Surfacing:	$2,544.80
Quarry Name: Rock Cr - BLM Stockpile 80.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):2.56 acres	$5,255.90
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $1,016.55 Surf. $0.00	$1,016.55
Quarry Development:	$0.00
Total:	$21,383.33

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-19.00 A-C Road Name: S/M P Line

Section 400 Drainage:
  Aluminized Milepost 0.67 24 inch 16 ga 40 Lf x $64.28/Lf = $2,571.20
  Aluminized Milepost 0.77 24 inch 16 ga 40 Lf x $64.28/Lf = $2,571.20
  Splash Pads Milepost 0.67 1 Ea x $222.47/Ea = $222.47
  Splash Pads Milepost 0.77 1 Ea x $222.47/Ea = $222.47
  Additional CMP Costs
   Additional CMP Cost 80 LF x $20.00/LF = $1,600.00
Subtotal: $7,187.34

Section 500 Renovation:
  Blading: $939.38/mi x 1.76 mi = $1,653.31
  Scarification: $1137.42/mi x 0.75 mi = $853.07
  Compaction: $424.32/mi x 1.76 mi = $746.80
  Clean Culverts: $514.62/mi x 1.76 mi = $905.73
  Water for Compaction
   Water Truck 3000 Gal 8 Hr x $114.98/Hr = $919.84
Subtotal: $5,078.75

Section 700-1200 Surfacing:
3 Stage Crusher Quarry Name: Rock Cr - BLM Stockpile

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
									80 LCY

  Rock Volume = 80.00 LCY
  Production: $8.85/LCY x 80.00 LCY = $708.00
  Processing: $1.22/LCY x 80.00 LCY = $97.60
  Compaction: $1.41/LCY x 80.00 LCY = $112.80
  Grid Rolling: $3.06/LCY x 80.00 LCY = $244.80
  Basic Rock Haul cost: $1.71/LCY x 80.00 LCY = $136.80
  Rock Haul +15% grades: $2.56/LCY-mi x 80.00 LCY x 2.00 mi= $409.60
  Rock Haul -15% grades: $1.28/LCY-mi x 80.00 LCY x 5.00 mi= $512.00
  Rock Haul St& Co Roads: $0.57/LCY-mi x 80.00 LCY x 5.00 mi= $228.00
  Basic Water Haul cost: $0.83/LCY x 80.00 LCY = $66.40
  Water Haul +15% grades: $0.36/LCY-mi x 80.00 LCY x 1.00 mi= $28.80
Subtotal: $2,544.80

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 1.28 acres = $1,236.02
  Roadside Brushing Heavy: $1931.28/acre x 1.28 acres = $2,472.04
  Chipping Brush
   Brush Chipper 14 Hr x $110.56/Hr = $1,547.84
Subtotal: $5,255.90

Section 8000 Miscellaneous:
  HPOC Sites
   HPOC 2 EA x $150.00/EA = $300.00
Subtotal: $300.00

Mobilization:
  Construction - 1.77% of total Costs = $1,016.55
Subtotal: $1,016.55

Total: $21,383.33

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-19.02 Road Name: Lone Creek C Spur
Road Renovation: 1.12 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$6,850.22
Culvert: 76.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$2,962.97
Blading 1.12 mi	
700-1200 Surfacing:	$2,676.00
Quarry Name: Rock Cr - BLM Stockpile 80.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.63 acres	$2,458.47
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $746.07 Surf. $0.00	$746.07
Quarry Development:	$0.00
Total:	$15,693.74

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-19.02 Road Name: Lone Creek C Spur

Section 400 Drainage:
  Aluminized Milepost 0.39 24 inch 16 ga 40 Lf x $64.28/Lf = $2,571.20
  Aluminized Milepost 0.91 24 inch 16 ga 36 Lf x $64.28/Lf = $2,314.08
  Splash Pads Milepost 0.39 1 Ea x $222.47/Ea = $222.47
  Splash Pads Milepost 0.91 1 Ea x $222.47/Ea = $222.47
  Additional CMP Costs
   Additional CMP Cost 76 LF x $20.00/LF = $1,520.00
Subtotal: $6,850.22

Section 500 Renovation:
  Blading: $939.38/mi x 1.12 mi = $1,052.11
  Scarification: $1137.42/mi x 0.25 mi = $284.36
  Compaction: $424.32/mi x 1.12 mi = $475.24
  Clean Culverts: $514.62/mi x 1.12 mi = $576.37
  Water for Compaction
   Water Truck 3000 Gal 5 Hr x $114.98/Hr = $574.90
Subtotal: $2,962.97

Section 700-1200 Surfacing:

3 Stage Crusher Quarry Name: Rock Cr - BLM Stockpile

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
									80 LCY

  Rock Volume = 80.00 LCY
  Production: $8.85/LCY x 80.00 LCY = $708.00
  Processing: $1.22/LCY x 80.00 LCY = $97.60
  Compaction: $1.41/LCY x 80.00 LCY = $112.80
  Grid Rolling: $3.06/LCY x 80.00 LCY = $244.80
  Basic Rock Haul cost: $1.71/LCY x 80.00 LCY = $136.80
  Rock Haul +15% grades: $2.56/LCY-mi x 80.00 LCY x 3.00 mi= $614.40
  Rock Haul -15% grades: $1.28/LCY-mi x 80.00 LCY x 4.00 mi= $409.60
  Rock Haul St& Co Roads: $0.57/LCY-mi x 80.00 LCY x 5.00 mi= $228.00
  Basic Water Haul cost: $0.83/LCY x 80.00 LCY = $66.40
  Water Haul +15% grades: $0.36/LCY-mi x 80.00 LCY x 2.00 mi= $57.60
Subtotal: $2,676.00

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 1.63 acres = $1,573.99
  Chipping Brush
   Brush Chipper 8 Hr x $110.56/Hr = $884.48
Subtotal: $2,458.47

Mobilization:
  Construction - 1.30% of total Costs = $746.07
Subtotal: $746.07

Total: $15,693.74

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-19.04 Road Name: S/M A Line
Road Renovation: 0.31 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$924.82
Blading 0.31 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.45 acres	$655.66
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $78.88 Surf. $0.00	$78.88
Quarry Development:	$0.00
Total:	$1,659.36

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-19.04 Road Name: S/M A Line

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.20 mi = $227.48
  Blading w/o Ditches: $568.71/mi x 0.31 mi = $176.30
  Compaction: $424.32/mi x 0.31 mi = $131.54
  Clean Culverts: $514.62/mi x 0.31 mi = $159.53
  Water for Compaction
   Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96

Subtotal: $924.82

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 0.45 acres = $434.54
  Chipping Brush
   Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $655.66

Mobilization:
  Construction - 0.14% of total Costs = $78.88

Subtotal: $78.88

Total: $1,659.36

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-19.05 Road Name: S/M C Line
Road Renovation: 0.16 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$529.25
Blading 0.16 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.23 acres	$665.31
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$150.00
Mobilization: Const. $67.11 Surf. $0.00	$67.11
Quarry Development:	$0.00
Total:	$1,411.68

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-19.05 Road Name: S/M C Line

Section 500 Renovation:
  Blading: $939.38/mi x 0.16 mi = $150.30
  Scarification: $1137.42/mi x 0.10 mi = $113.74
  Compaction: $424.32/mi x 0.16 mi = $67.89
  Clean Culverts: $514.62/mi x 0.16 mi = $82.34
  Water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $529.25

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Heavy: $1931.28/acre x 0.23 acres = $444.19
  Chipping Brush
   Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $665.31

Section 8000 Miscellaneous:
  HPOC Sites
   HPOC 1 EA x $150.00/EA = $150.00

Subtotal: $150.00

Mobilization:
  Construction - 0.12% of total Costs = $67.11

Subtotal: $67.11

Total: $1,411.68

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-19.06 Road Name: S/M D Line
Road Renovation: 0.27 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$850.85
Blading 0.27 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.65 acres	$2,373.57
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $160.94 Surf. $0.00	$160.94
Quarry Development:	$0.00
Total:	$3,385.36

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-19.06 Road Name: S/M D Line

Section 500 Renovation:
  Blading: $939.38/mi x 0.27 mi = $253.63
  Scarification: $1137.42/mi x 0.10 mi = $113.74
  Compaction: $424.32/mi x 0.27 mi = $114.57
  Clean Culverts: $514.62/mi x 0.27 mi = $138.95
  Water for Compaction
   Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96

Subtotal: $850.85

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Heavy: $1931.28/acre x 0.65 acres = $1,255.33
  Chipping Brush
   Brush Chipper 4 Hr x $110.56/Hr = $442.24
  Additional Time for Down Trees
   Chainsaw 10 Hr x $67.60/Hr = $676.00

Subtotal: $2,373.57

Mobilization:
  Construction - 0.28% of total Costs = $160.94

Subtotal: $160.94

Total: $3,385.36

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-19.07 Road Name: Private Spur
Road Renovation: 0.10 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$214.28
Blading 0.10 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.15 acres	$365.97
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $43.94 Surf. $0.00	$43.94
Quarry Development:	$0.00
Total:	$924.18

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-19.07 Road Name: Private Spur

Section 500 Renovation:
  Blading w/o Ditches: $568.71/mi x 0.10 mi = $56.87
  Compaction: $424.32/mi x 0.10 mi = $42.43
  Water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $214.28

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 0.15 acres = $144.85
  Chipping Brush
   Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $365.97

Section 8000 Miscellaneous:
  Remove Earth Barricade
   Remove Earth Barricade 1 EA x $300.00/EA = $300.00

Subtotal: $300.00

Mobilization:
  Construction - 0.08% of total Costs = $43.94

Subtotal: $43.94

Total: $924.18

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-22.00 A-B Road Name: Glade Fork
Road Renovation: 4.42 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 7.08 acres	$36,313.75
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$19,491.82
Blading 4.42 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 1.80 acres	$1,852.78
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):2.18 acres	$3,347.78
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$900.00
Mobilization: Const. $3,089.86 Surf. $0.00	$3,089.86
Quarry Development:	$0.00
Total:	$64,996.00

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-22.00 A-B Road Name: Glade Fork

Section 200 Clearing and Grubbing:
   Clearing - Medium (Clearing): Adjustment Factor (1.67)
   31-45% (Avg Side Slopes): Adjustment Factor (0.2)
   Pile and Burn (Slash): Adjustment Factor (1.28)
   less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)
   Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.25 = 3.40
   Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.40 x Total Acres: 7.08 = $29,525.75
  RMU Clear and Grub
   Excavator - Large (3 CY) 40 Hr x $169.70/Hr = $6,788.00
                                                                Subtotal: $36,313.75

Section 500 Renovation:
  Blading: $939.38/mi x 4.42 mi = $4,152.06
  Scarification: $1137.42/mi x 1.50 mi = $1,706.13
  Compaction: $424.32/mi x 4.42 mi = $1,875.49
  Clean Culverts: $514.62/mi x 4.42 mi = $2,274.62
  water for Compaction
   Water Truck 3000 Gal 20 Hr x $114.98/Hr = $2,299.60
  RMU Road Repair
   Motor Grader 14M 24 Hr x $187.45/Hr = $4,498.80
   Backhoe 24 Hr x $111.88/Hr = $2,685.12
                                                                Subtotal: $19,491.82

Section 1800 Soil Stabilization:
  Dry Method with Mulch: $577.32/acre x 1.80 acres = $1,039.18
        Includes Small Quantity Factor of 1.06
        + Seed Cost: $132.00/acre x 1.80 acres = $237.60
        + Mulch Cost: $320.00/acre x 1.80 acres = $576.00
                                                                Subtotal: $1,852.78

Section 2100 Roadside Brushing:
Manual Brushing
 Comment: Some brushing acreage covered under RMU clear and grubbing
  Brushing width Left: 6ft.   Right: 6ft.
  Roadside Brushing Light: $482.82/acre x 1.09 acres = $526.27
  Roadside Brushing Medium: $965.64/acre x 1.09 acres = $1,052.55
  Chipping Brush
   Brush Chipper 16 Hr x $110.56/Hr = $1,768.96
                                                                Subtotal: $3,347.78

Section 8000 Miscellaneous:
  HPOC Sites
   HPOC 6 EA x $150.00/EA = $900.00
                                                                Subtotal: $900.00

Mobilization:
  Construction - 5.38% of total Costs = $3,089.86
                                                                Subtotal: $3,089.86

                                                                Total: $64,996.00

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-27.02 Road Name: Pandora
Road Renovation: 0.03 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$241.83
Blading 0.03 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.04 acres	$187.81
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $21.44 Surf. $0.00	$21.44
Quarry Development:	$0.00
Total:	$451.09

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-27.02 Road Name: Pandora

Section 500 Renovation:
  Blading: $939.38/mi x 0.03 mi = $28.18
  Compaction: $424.32/mi x 0.03 mi = $12.73
  Clean Culverts (Ea): $85.94/Ea x 1 Ea = $85.94
  Water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $241.83

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Heavy: $1931.28/acre x 0.04 acres = $77.25
  Chipping Brush
   Brush Chipper 1 Hr x $110.56/Hr = $110.56

Subtotal: $187.81

Mobilization:
  Construction - 0.04% of total Costs = $21.44

Subtotal: $21.44

Total: $451.09

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-31.01 Road Name: Little Sugarloaf Sp
Road Renovation: 0.07 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$296.38
Blading 0.07 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.10 acres	$303.69
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $29.95 Surf. $0.00	$29.95
Quarry Development:	$0.00
Total:	$630.02

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-31.01 Road Name: Little Sugarloaf Sp

Section 500 Renovation:
  Blading: $939.38/mi x 0.07 mi = $65.76
  Compaction: $424.32/mi x 0.07 mi = $29.70
  Clean Culverts (Ea): $85.94/Ea x 1 Ea = $85.94
  water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $296.38

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Heavy: $1931.28/acre x 0.10 acres = $193.13
  Chipping Brush
   Brush Chipper 1 Hr x $110.56/Hr = $110.56

Subtotal: $303.69

Mobilization:
  Construction - 0.05% of total Costs = $29.95

Subtotal: $29.95

Total: $630.02

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-34.00 Road Name: Pandora Spur
Road Improvement: 0.59 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 1.43 acres	$7,999.93
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$4,871.56
Blading 0.59 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.40 acres	$411.73
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.07 acres	$2,729.83
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $814.22 Surf. $0.00	$814.22
Quarry Development:	$0.00
Total:	$17,127.27

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-34.00 Road Name: Pandora Spur

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.25 = 3.40
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.40 x Total Acres: 1.43 = $5,963.53
RMU Clear and Grub
Excavator - Large (3 CY) 12 Hr x $169.70/Hr = $2,036.40
Subtotal: $7,999.93

Section 500 Renovation:
Scarification: $1137.42/mi x 0.59 mi = $671.08
Blading w/o Ditches: $568.71/mi x 0.59 mi = $335.54
Compaction: $424.32/mi x 0.59 mi = $250.35
Water for Compaction
Water Truck 3000 Gal 6 Hr x $114.98/Hr = $689.88
RMU Road Repair
Backhoe 3 Hr x $111.88/Hr = $335.64
Motor Grader 14M 3 Hr x $187.45/Hr = $562.35
Additional Improvement Time
Tractor: D7 with rippers 8 Hr x $253.34/Hr = $2,026.72
Subtotal: $4,871.56

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.40 acres = $230.93
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.40 acres = $52.80
+ Mulch Cost: $320.00/acre x 0.40 acres = $128.00
Subtotal: $411.73

Section 2100 Roadside Brushing:
Manual Brushing
Comment: Some brushing acreage covered under RMU clear and grubbing
Roadside Brushing Heavy: $1931.28/acre x 1.07 acres = $2,066.47
Chipping Brush
Brush Chipper 6 Hr x $110.56/Hr = $663.36
Subtotal: $2,729.83

Section 8000 Miscellaneous:
Remove Earth Barricade
Remove Earth Barricade 1 EA x $300.00/EA = $300.00
Subtotal: $300.00

Mobilization:
Construction - 1.42% of total Costs = $814.22
Subtotal: $814.22

Total: $17,127.27

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-5-34.01 Road Name: Pandora Spur
Road Renovation: 0.15 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.55 acres	$2,905.01
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$862.59
Blading 0.15 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.15 acres	$154.40
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $210.73 Surf. $0.00	$210.73
Quarry Development:	$0.00
Total:	$4,432.73

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-5-34.01 Road Name: Pandora Spur

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
16-30% (Avg Side Slopes): Adjustment Factor (0.1)
Pile and Burn (Slash): Adjustment Factor (1.28)
less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)
Total Adjustment Factor:1.67 + 0.1 + 1.28 + 0.25 = 3.30
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.30 x Total Acres: 0.55 = $2,226.21
RMU Clear and Grub
Excavator - Large (3 CY) 4 Hr x $169.70/Hr = $678.80

Subtotal: $2,905.01

Section 500 Renovation:
Blading w/o Ditches: $568.71/mi x 0.15 mi = $85.31
Compaction: $424.32/mi x 0.15 mi = $63.65
Water for Compaction
Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98
RMU Road Repair
Backhoe 2 Hr x $111.88/Hr = $223.76
Motor Grader 14M 2 Hr x $187.45/Hr = $374.90

Subtotal: $862.59

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.15 acres = $86.60
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.15 acres = $19.80
+ Mulch Cost: $320.00/acre x 0.15 acres = $48.00

Subtotal: $154.40

Section 2100 Roadside Brushing:
Comment: All brushing acres covered under RMU Clear and Grub

Section 8000 Miscellaneous:
Remove Earth Barricade
Remove Earth Barricade 1 EA x $300.00/EA = $300.00

Subtotal: $300.00

Mobilization:
Construction - 0.37% of total Costs = $210.73

Subtotal: $210.73

Total: $4,432.73

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-01.00 Road Name: Swamp Creek A
Road Renovation: 0.49 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$1,253.06
Blading 0.49 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.71 acres	$1,017.28
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $113.32 Surf. $0.00	$113.32
Quarry Development:	$0.00
Total:	$2,383.67

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-01.00 Road Name: Swamp Creek A

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.25 mi = $284.36
  Blading w/o Ditches: $568.71/mi x 0.49 mi = $278.67
  Compaction: $424.32/mi x 0.49 mi = $207.92
  Clean Culverts: $514.62/mi x 0.49 mi = $252.16
  Water for Compaction
   Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96

Subtotal: $1,253.06

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 0.71 acres = $685.60
  Chipping Brush
   Brush Chipper 3 Hr x $110.56/Hr = $331.68

Subtotal: $1,017.28

Mobilization:
  Construction - 0.20% of total Costs = $113.32

Subtotal: $113.32

Total: $2,383.67

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-01.01 Road Name:
Road Improvement: 0.26 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.63 acres	$4,541.26
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$4,918.00
Blading 0.26 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.15 acres	$154.40
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.38 acres	$1,176.13
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $553.51 Surf. $0.00	$553.51
Quarry Development:	$0.00
Total:	$11,643.29

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-01.01 Road Name:

Section 200 Clearing and Grubbing:
   Clearing - Heavy (Clearing): Adjustment Factor (2.54)
   31-45% (Avg Side Slopes): Adjustment Factor (0.2)
   Pile and Burn (Slash): Adjustment Factor (1.28)
   20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
   Total Adjustment Factor:2.54 + 0.2 + 1.28 + 0.1 = 4.12
   Base Cost/Acre: $1,226.56 x Adjustment Factor: 4.12 x Total Acres: 0.63 = $3,183.66
  Additional Clear and grub
   Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60
Subtotal: $4,541.26

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.26 mi = $295.73
  Blading w/o Ditches: $568.71/mi x 0.26 mi = $147.86
  Compaction: $424.32/mi x 0.26 mi = $110.32
  Additional Road Prep
   Tractor: D7 with rippers 8 Hr x $253.34/Hr = $2,026.72
   Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60
   Motor Grader 14M 4 Hr x $187.45/Hr = $749.80
  Water for Compaction
   Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96
Subtotal: $4,918.00

Section 700-1200 Surfacing:
Surfacing:
Section 1800 Soil Stabilization:
  Dry Method with Mulch: $577.32/acre x 0.15 acres = $86.60
        Includes Small Quantity Factor of 1.06
        + Seed Cost: $132.00/acre x 0.15 acres = $19.80
        + Mulch Cost: $320.00/acre x 0.15 acres = $48.00
Subtotal: $154.40

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Heavy: $1931.28/acre x 0.38 acres = $733.89
  Chipping Brush
   Brush Chipper 4 Hr x $110.56/Hr = $442.24
Subtotal: $1,176.13

Section 8000 Miscellaneous:
  Remove Existing Barricade
   Remove Slash Pile Barricade 1 EA x $300.00/EA = $300.00
Subtotal: $300.00

Mobilization:
  Construction - 0.96% of total Costs = $553.51
Subtotal: $553.51

Total: $11,643.29

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-02.02 Road Name: Cedar Flat P Spur
Road Renovation: 0.89 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$3,143.93
Blading 0.89 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.29 acres	$1,798.48
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $246.69 Surf. $0.00	$246.69
Quarry Development:	$0.00
Total:	$5,189.09

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-02.02 Road Name: Cedar Flat P Spur

Section 500 Renovation:
  Blading: $939.38/mi x 0.89 mi = $836.05
  Scarification: $1137.42/mi x 0.89 mi = $1,012.30
  Compaction: $424.32/mi x 0.89 mi = $377.64
  Clean Culverts: $514.62/mi x 0.89 mi = $458.01
  Water for Compaction
   Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92

Subtotal: $3,143.93

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 1.29 acres = $1,245.68
  Chipping Brush
   Brush Chipper 5 Hr x $110.56/Hr = $552.80

Subtotal: $1,798.48

Mobilization:
  Construction - 0.43% of total Costs = $246.69

Subtotal: $246.69

Total: $5,189.09

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-03.00 Road Name: Holcomb Peak
Road Renovation: 1.74 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$4,756.83
Blading 1.74 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):2.53 acres	$5,419.08
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $507.90 Surf. $0.00	$507.90
Quarry Development:	$0.00
Total:	$10,683.81

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-03.00 Road Name: Holcomb Peak

Section 500 Renovation:
  Blading: $939.38/mi x 1.74 mi = $1,634.52
  Scarification: $1137.42/mi x 0.50 mi = $568.71
  Compaction: $424.32/mi x 1.74 mi = $738.32
  Clean Culverts: $514.62/mi x 1.74 mi = $895.44
  Water for Compaction
   Water Truck 3000 Gal 8 Hr x $114.98/Hr = $919.84

Subtotal: $4,756.83

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 1.28 acres = $1,236.02
  Roadside Brushing Heavy: $1931.28/acre x 1.25 acres = $2,414.10
  Chipping Brush
   Brush Chipper 16 Hr x $110.56/Hr = $1,768.96

Subtotal: $5,419.08

Mobilization:
  Construction - 0.88% of total Costs = $507.90

Subtotal: $507.90

Total: $10,683.81

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-09.02 Road Name: Bear Wallow
Road Renovation: 0.95 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.63 acres	$3,306.09
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$2,414.97
Blading 0.95 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.15 acres	$154.40
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.00 acres	$2,815.76
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $433.80 Surf. $0.00	$433.80
Quarry Development:	$0.00
Total:	$9,125.01

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-09.02 Road Name: Bear Wallow

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.25 = 3.40
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.40 x Total Acres: 0.63 = $2,627.29
RMU Clear and Grub
Excavator - Large (3 CY) 4 Hr x $169.70/Hr = $678.80
Subtotal: $3,306.09

Section 500 Renovation:
Scarification: $1137.42/mi x 0.25 mi = $284.36
Blading w/o Ditches: $568.71/mi x 0.95 mi = $540.27
Compaction: $424.32/mi x 0.95 mi = $403.10
Clean Culverts: $514.62/mi x 0.25 mi = $128.66
Water for Compaction
Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92
RMU Road Repair
Backhoe 2 Hr x $111.88/Hr = $223.76
Motor Grader 14M 2 Hr x $187.45/Hr = $374.90
Subtotal: $2,414.97

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.15 acres = $86.60
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.15 acres = $19.80
+ Mulch Cost: $320.00/acre x 0.15 acres = $48.00
Subtotal: $154.40

Section 2100 Roadside Brushing:
Manual Brushing
Comment: Some brushing acreage covered under RMU clear and grubbing
Roadside Brushing Heavy: $1931.28/acre x 1.00 acres = $1,931.28
Chipping Brush
Brush Chipper 8 Hr x $110.56/Hr = $884.48
Subtotal: $2,815.76

Mobilization:
Construction - 0.75% of total Costs = $433.80
Subtotal: $433.80

Total: $9,125.01

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-11.00 A-D Road Name: Bear Wallow
Road Renovation: 7.49 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 9.96 acres	$48,324.23
300 Excavation:	$0.00
400 Drainage:	$31,147.80
Culvert: 314.00 Lf	
Downspout: 70.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$23,674.68
Blading 7.49 mi	
700-1200 Surfacing:	$17,808.00
Quarry Name: CPI - 1.5" minus 320.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 2.50 acres	$2,573.31
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):4.91 acres	$4,139.61
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$900.00
Mobilization: Const. $6,417.07 Surf. $0.00	$6,417.07
Quarry Development:	$0.00
Total:	$134,984.69

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-11.00 A-D Road Name: Bear Wallow

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.25 = 3.40
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.40 x Total Acres: 9.96 = $41,536.23
RMU Clear and Grub
Excavator - Large (3 CY) 40 Hr x $169.70/Hr = $6,788.00

Subtotal: $48,324.23

Section 400 Drainage:

Aluminized Milepost 0.52		24 inch 16 ga 36 Lf x $64.28/Lf	= $2,314.08
Aluminized Milepost 1.21		24 inch 16 ga 36 Lf x $64.28/Lf	= $2,314.08
Aluminized Milepost 1.44		24 inch 16 ga 46 Lf x $64.28/Lf	= $2,956.88
Aluminized Milepost 1.94		24 inch 16 ga 30 Lf x $64.28/Lf	= $1,928.40
Aluminized Milepost 2.29		24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 3.27		24 inch 16 ga 46 Lf x $64.28/Lf	= $2,956.88
Aluminized Milepost 5.12		24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 5.51		24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Full Round	Milepost 0.52	24 inch 20 Lf x $34.20/Lf	= $684.00
Full Round	Milepost 1.21	24 inch 10 Lf x $34.20/Lf	= $342.00
Full Round	Milepost 1.94	24 inch 20 Lf x $34.20/Lf	= $684.00
Full Round	Milepost 2.29	24 inch 20 Lf x $34.20/Lf	= $684.00
Splash Pads	Milepost 1.44	1 Ea x $222.47/Ea	= $222.47
Splash Pads	Milepost 3.27	1 Ea x $222.47/Ea	= $222.47
Splash Pads	Milepost 5.12	1 Ea x $222.47/Ea	= $222.47
Splash Pads	Milepost 5.51	1 Ea x $222.47/Ea	= $222.47

Additional CMP Costs
Additional CMP Cost 384 LF x $20.00/LF = $7,680.00

Subtotal: $31,147.80

Section 500 Renovation:
Blading: $939.38/mi x 7.49 mi = $7,035.96
Scarification: $1137.42/mi x 1.00 mi = $1,137.42
Compaction: $424.32/mi x 7.49 mi = $3,178.16
Clean Culverts: $514.62/mi x 7.49 mi = $3,854.50
Water for Compaction
Water Truck 3000 Gal 32 Hr x $114.98/Hr = $3,679.36
RMU Road Repair
Backhoe 16 Hr x $111.88/Hr = $1,790.08
Motor Grader 14M 16 Hr x $187.45/Hr = $2,999.20

Subtotal: $23,674.68

Section 700-1200 Surfacing:

Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
									320 LCY

Rock Volume = 320.00 LCY
Purchase Price / Royalty: $18.00/LCY x 320.00 LCY = $5,760.00
Processing: $1.22/LCY x 320.00 LCY = $390.40
Compaction: $1.41/LCY x 320.00 LCY = $451.20
Grid Rolling: $3.06/LCY x 320.00 LCY = $979.20
T11 & T27 Testing: $0.10/LCY x 320.00 LCY = $32.00
Basic Rock Haul cost: $1.71/LCY x 320.00 LCY = $547.20
Rock Haul +15% grades: $2.56/LCY-mi x 320.00 LCY x 4.50 mi= $3,686.40
Rock Haul -15% grades: $1.28/LCY-mi x 320.00 LCY x 8.00 mi= $3,276.80

Road Number: 39-6-11.00 A-D Bear Wallow Continued

Rock Haul St& Co Roads: $0.57/LCY-mi x 320.00 LCY x 12.00 mi= $2,188.80
Basic Water Haul cost: $0.83/LCY x 320.00 LCY = $265.60
Water Haul +15% grades: $0.36/LCY-mi x 320.00 LCY x 2.00 mi= $230.40

Subtotal: $17,808.00

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 2.50 acres = $1,443.31
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 2.50 acres = $330.00
+ Mulch Cost: $320.00/acre x 2.50 acres = $800.00

Subtotal: $2,573.31

Section 2100 Roadside Brushing:
Manual Brushing
Comment: Some brushing acreage covered under RMU clear and grubbing
Roadside Brushing Light: $482.82/acre x 4.91 acres = $2,370.65
Chipping Brush
Brush Chipper 16 Hr x $110.56/Hr = $1,768.96

Subtotal: $4,139.61

Section 8000 Miscellaneous:
HPOC Sites
HPOC 6 EA x $150.00/EA = $900.00

Subtotal: $900.00

Mobilization:
Construction - 11.17% of total Costs = $6,417.07

Subtotal: $6,417.07

Total: $134,984.69

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-11.03 Road Name: Bear Wallow F Spur
Road Improvement: 0.16 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.39 acres	$2,233.46
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$1,169.49
Blading 0.16 mi	
700-1200 Surfacing:	$40,670.85
Quarry Name: CPI - 1.5" minus 268.00 LCY	
Quarry Name: CPI - 4" minus 517.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.10 acres	$102.93
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.23 acres	$665.31
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $2,238.16 Surf. $0.00	$2,238.16
Quarry Development:	$0.00
Total:	$47,080.21

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-11.03 Road Name: Bear Wallow F Spur

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.1 = 3.25
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.25 x Total Acres: 0.39 = $1,554.66
Clear and Grub
Excavator - Large (3 CY) 4 Hr x $169.70/Hr = $678.80

Subtotal: $2,233.46

Section 500 Renovation:
Scarification: $1137.42/mi x 0.16 mi = $181.99
Blading w/o Ditches: $568.71/mi x 0.16 mi = $90.99
Compaction: $424.32/mi x 0.16 mi = $67.89
Water for Compaction
Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96
Clear and Grub Road Repair
Backhoe 2 Hr x $111.88/Hr = $223.76
Motor Grader 14M 2 Hr x $187.45/Hr = $374.90

Subtotal: $1,169.49

Section 700-1200 Surfacing:

Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.16mi	13ft	14ft	4in	10%	1	10ft	50ft	25ft	50 LCY

Rock Volume = 268.00 LCY
Purchase Price / Royalty: $18.00/LCY x 268.00 LCY = $4,824.00
Processing: $1.22/LCY x 268.00 LCY = $326.96
Compaction: $1.41/LCY x 268.00 LCY = $377.88
Grid Rolling: $3.06/LCY x 268.00 LCY = $820.08
T11 & T27 Testing: $0.10/LCY x 268.00 LCY = $26.80
Basic Rock Haul cost: $1.71/LCY x 268.00 LCY = $458.28
Rock Haul +15% grades: $2.56/LCY-mi x 268.00 LCY x 3.00 mi= $2,058.24
Rock Haul -15% grades: $1.28/LCY-mi x 268.00 LCY x 8.00 mi= $2,744.32
Rock Haul St& Co Roads: $0.57/LCY-mi x 268.00 LCY x 12.00 mi= $1,833.12
Basic Water Haul cost: $0.83/LCY x 268.00 LCY = $222.44
Water Haul +15% grades: $0.36/LCY-mi x 268.00 LCY x 2.00 mi= $192.96

Commercial Quarry Name: CPI - 4" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.16mi	14ft	15ft	8in	10%	1	10ft	50ft	25ft	50 LCY

Rock Volume = 517.00 LCY
Purchase Price / Royalty: $18.00/LCY x 517.00 LCY = $9,306.00
Processing: $1.22/LCY x 517.00 LCY = $630.74
Compaction: $1.41/LCY x 517.00 LCY = $728.97
Grid Rolling: $3.06/LCY x 517.00 LCY = $1,582.02
T11 & T27 Testing: $0.10/LCY x 517.00 LCY = $51.70
Basic Rock Haul cost: $1.71/LCY x 517.00 LCY = $884.07
Rock Haul +15% grades: $2.56/LCY-mi x 517.00 LCY x 3.00 mi= $3,970.56
Rock Haul -15% grades: $1.28/LCY-mi x 517.00 LCY x 8.00 mi= $5,294.08
Rock Haul St& Co Roads: $0.57/LCY-mi x 517.00 LCY x 12.00 mi= $3,536.28
Basic Water Haul cost: $0.83/LCY x 517.00 LCY = $429.11
Water Haul +15% grades: $0.36/LCY-mi x 517.00 LCY x 2.00 mi= $372.24

Subtotal: $40,670.85

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.10 acres = $57.73
Includes Small Quantity Factor of 1.06

Road Number: 39-6-11.03 Bear Wallow F Spur Continued

+ Seed Cost: $132.00/acre x 0.10 acres = $13.20
+ Mulch Cost: $320.00/acre x 0.10 acres = $32.00

Subtotal: $102.93

Section 2100 Roadside Brushing:
Manual Brushing
Roadside Brushing Heavy: $1931.28/acre x 0.23 acres = $444.19
Chipping Brush
Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $665.31

Mobilization:
Construction - 3.89% of total Costs = $2,238.16

Subtotal: $2,238.16

Total: $47,080.21

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-12.01 Road Name: Cedar Flat Spur
Road Renovation: 0.66 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.60 acres	$3,675.80
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$3,124.42
Blading 0.66 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.15 acres	$154.40
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.75 acres	$2,111.82
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $452.52 Surf. $0.00	$452.52
Quarry Development:	$0.00
Total:	$9,518.96

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-12.01 Road Name: Cedar Flat Spur

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
16-30% (Avg Side Slopes): Adjustment Factor (0.1)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.1 + 1.28 + 0.1 = 3.15
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.15 x Total Acres: 0.60 = $2,318.20
Clear and Grub
Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60

Subtotal: $3,675.80

Section 500 Renovation:
Blading: $939.38/mi x 0.66 mi = $619.99
Scarification: $1137.42/mi x 0.20 mi = $227.48
Compaction: $424.32/mi x 0.66 mi = $280.05
Clean Culverts: $514.62/mi x 0.66 mi = $339.65
Water for Compaction
Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92
Clear and Grub Road Repair
Backhoe 4 Hr x $111.88/Hr = $447.52
Motor Grader 14M 4 Hr x $187.45/Hr = $749.80

Subtotal: $3,124.42

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.15 acres = $86.60
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.15 acres = $19.80
+ Mulch Cost: $320.00/acre x 0.15 acres = $48.00

Subtotal: $154.40

Section 2100 Roadside Brushing:
Manual Brushing
Comment: Some brushing acreage covered under clear and grubbing
Roadside Brushing Heavy: $1931.28/acre x 0.75 acres = $1,448.46
Chipping Brush
Brush Chipper 6 Hr x $110.56/Hr = $663.36

Subtotal: $2,111.82

Mobilization:
Construction - 0.79% of total Costs = $452.52

Subtotal: $452.52

Total: $9,518.96

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-12.02 Road Name: Lower Bear Wallow
Road Renovation: 0.22 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.53 acres	$2,791.55
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$1,492.08
Blading 0.22 mi	
700-1200 Surfacing:	$14,151.51
Quarry Name: CPI - 1.5" minus 317.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.15 acres	$154.40
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.20 acres	$607.38
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $958.16 Surf. $0.00	$958.16
Quarry Development:	$0.00
Total:	$20,155.08

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-12.02 Road Name: Lower Bear Wallow

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.1 = 3.25
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.25 x Total Acres: 0.53 = $2,112.75
Clear and Grub
Excavator - Large (3 CY) 4 Hr x $169.70/Hr = $678.80

Subtotal: $2,791.55

Section 500 Renovation:
Blading: $939.38/mi x 0.22 mi = $206.66
Scarification: $1137.42/mi x 0.22 mi = $250.23
Compaction: $424.32/mi x 0.22 mi = $93.35
Clean Culverts: $514.62/mi x 0.22 mi = $113.22
Water for Compaction
Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96
Clear and Grub Road Repair
Backhoe 2 Hr x $111.88/Hr = $223.76
Motor Grader 14M 2 Hr x $187.45/Hr = $374.90

Subtotal: $1,492.08

Section 700-1200 Surfacing:

Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.22mi	14ft	15ft	4in	10%	1	10ft	50ft	25ft	

Rock Volume = 317.00 LCY
Purchase Price / Royalty: $18.00/LCY x 317.00 LCY = $5,706.00
Processing: $1.22/LCY x 317.00 LCY = $386.74
Compaction: $1.41/LCY x 317.00 LCY = $446.97
Grid Rolling: $3.06/LCY x 317.00 LCY = $970.02
T11 & T27 Testing: $0.10/LCY x 317.00 LCY = $31.70
Basic Rock Haul cost: $1.71/LCY x 317.00 LCY = $542.07
Rock Haul +15% grades: $2.56/LCY-mi x 317.00 LCY x 2.10 mi= $1,704.19
Rock Haul -15% grades: $1.28/LCY-mi x 317.00 LCY x 4.20 mi= $1,704.19
Rock Haul St& Co Roads: $0.57/LCY-mi x 317.00 LCY x 12.00 mi= $2,168.28
Basic Water Haul cost: $0.83/LCY x 317.00 LCY = $263.11
Water Haul +15% grades: $0.36/LCY-mi x 317.00 LCY x 2.00 mi= $228.24

Subtotal: $14,151.51

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.15 acres = $86.60
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.15 acres = $19.80
+ Mulch Cost: $320.00/acre x 0.15 acres = $48.00

Subtotal: $154.40

Section 2100 Roadside Brushing:
Manual Brushing
Comment: Some brushing acreage covered under clear and grubbing
Roadside Brushing Heavy: $1931.28/acre x 0.20 acres = $386.26
Chipping Brush
Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $607.38

Mobilization:

Road Number: 39-6-12.02 Lower Bear Wallow Continued

Construction - 1.67% of total Costs = $958.16

Subtotal: $958.16

Total: $20,155.08

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-12.03 Road Name: Lower Bear Wallow
Road Renovation: 0.16 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$597.50
Blading 0.16 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.23 acres	$665.31
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $63.03 Surf. $0.00	$63.03
Quarry Development:	$0.00
Total:	$1,325.84

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-12.03 Road Name: Lower Bear Wallow

Section 500 Renovation:
  Blading: $939.38/mi x 0.16 mi = $150.30
  Scarification: $1137.42/mi x 0.16 mi = $181.99
  Compaction: $424.32/mi x 0.16 mi = $67.89
  Clean Culverts: $514.62/mi x 0.16 mi = $82.34
  Water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $597.50

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Heavy: $1931.28/acre x 0.23 acres = $444.19
  Chipping Brush
   Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $665.31

Mobilization:
  Construction - 0.11% of total Costs = $63.03

Subtotal: $63.03

Total: $1,325.84

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-12.04 Road Name: Cedar Flat Spur
Road Renovation: 0.13 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$507.03
Blading 0.13 mi	
700-1200 Surfacing:	$7,885.80
Quarry Name: CPI - 1.5" minus 180.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.19 acres	$588.06
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $448.25 Surf. $0.00	$448.25
Quarry Development:	$0.00
Total:	$9,429.14

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-12.04 Road Name: Cedar Flat Spur

Section 500 Renovation:
  Blading: $939.38/mi x 0.13 mi = $122.12
  Scarification: $1137.42/mi x 0.13 mi = $147.86
  Compaction: $424.32/mi x 0.13 mi = $55.16
  Clean Culverts: $514.62/mi x 0.13 mi = $66.90
  water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $507.03

Section 700-1200 Surfacing:
Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.13mi	14ft	15ft	4in	10%					

  Rock Volume = 180.00 LCY
  Purchase Price / Royalty: $18.00/LCY x 180.00 LCY = $3,240.00
  Processing: $1.22/LCY x 180.00 LCY = $219.60
  Compaction: $1.41/LCY x 180.00 LCY = $253.80
  Grid Rolling: $3.06/LCY x 180.00 LCY = $550.80
  T11 & T27 Testing: $0.10/LCY x 180.00 LCY = $18.00
  Basic Rock Haul cost: $1.71/LCY x 180.00 LCY = $307.80
  Rock Haul +15% grades: $2.56/LCY-mi x 180.00 LCY x 1.00 mi= $460.80
  Rock Haul -15% grades: $1.28/LCY-mi x 180.00 LCY x 5.75 mi= $1,324.80
  Rock Haul St& Co Roads: $0.57/LCY-mi x 180.00 LCY x 12.00 mi= $1,231.20
  Basic Water Haul cost: $0.83/LCY x 180.00 LCY = $149.40
  Water Haul +15% grades: $0.36/LCY-mi x 180.00 LCY x 2.00 mi= $129.60

Subtotal: $7,885.80

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Heavy: $1931.28/acre x 0.19 acres = $366.94
  Chipping Brush
   Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $588.06

Mobilization:
  Construction - 0.78% of total Costs = $448.25

Subtotal: $448.25

Total: $9,429.14

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-23.00 Road Name: Low Divide West
Road Improvement: 0.31 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.40 acres	$2,612.73
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$1,648.59
Blading 0.31 mi	
700-1200 Surfacing:	$66,914.69
Quarry Name: CPI - 1.5" minus 424.00 LCY	
Quarry Name: CPI - 4" minus 907.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.10 acres	$102.93
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.21 acres	$626.69
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $3,603.93 Surf. $0.00	$3,603.93
Quarry Development:	$0.00
Total:	$75,809.56

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-23.00 Road Name: Low Divide West

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.1 = 3.25
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.25 x Total Acres: 0.40 = $1,594.53
RMU Clear and Grub
Excavator - Large (3 CY) 6 Hr x $169.70/Hr = $1,018.20

Subtotal: $2,612.73

Section 500 Renovation:
Scarification: $1137.42/mi x 0.31 mi = $352.60
Blading w/o Ditches: $568.71/mi x 0.31 mi = $176.30
Compaction: $424.32/mi x 0.31 mi = $131.54
Clean Culverts: $514.62/mi x 0.31 mi = $159.53
Water for Compaction
Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96
RMU Road Repair
Backhoe 2 Hr x $111.88/Hr = $223.76
Motor Grader 14M 2 Hr x $187.45/Hr = $374.90

Subtotal: $1,648.59

Section 700-1200 Surfacing:
Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.31mi	13ft	14ft	4in	10%	2	10ft	50ft	25ft	

Rock Volume = 424.00 LCY
Purchase Price / Royalty: $18.00/LCY x 424.00 LCY = $7,632.00
Processing: $1.22/LCY x 424.00 LCY = $517.28
Compaction: $1.41/LCY x 424.00 LCY = $597.84
Grid Rolling: $3.06/LCY x 424.00 LCY = $1,297.44
T11 & T27 Testing: $0.10/LCY x 424.00 LCY = $42.40
Basic Rock Haul cost: $1.71/LCY x 424.00 LCY = $725.04
Rock Haul +15% grades: $2.56/LCY-mi x 424.00 LCY x 3.70 mi= $4,016.13
Rock Haul -15% grades: $1.28/LCY-mi x 424.00 LCY x 5.40 mi= $2,930.69
Rock Haul St& Co Roads: $0.57/LCY-mi x 424.00 LCY x 12.00 mi= $2,900.16
Basic Water Haul cost: $0.83/LCY x 424.00 LCY = $351.92
Water Haul +15% grades: $0.36/LCY-mi x 424.00 LCY x 2.00 mi= $305.28

Commercial Quarry Name: CPI - 4" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.31mi	14ft	15ft	8in	10%	2	10ft	50ft	25ft	

Rock Volume = 907.00 LCY
Purchase Price / Royalty: $18.00/LCY x 907.00 LCY = $16,326.00
Processing: $1.22/LCY x 907.00 LCY = $1,106.54
Compaction: $1.41/LCY x 907.00 LCY = $1,278.87
Grid Rolling: $3.06/LCY x 907.00 LCY = $2,775.42
T11 & T27 Testing: $0.10/LCY x 907.00 LCY = $90.70
Basic Rock Haul cost: $1.71/LCY x 907.00 LCY = $1,550.97
Rock Haul +15% grades: $2.56/LCY-mi x 907.00 LCY x 3.70 mi= $8,591.10
Rock Haul -15% grades: $1.28/LCY-mi x 907.00 LCY x 5.40 mi= $6,269.18
Rock Haul St& Co Roads: $0.57/LCY-mi x 907.00 LCY x 12.00 mi= $6,203.88
Basic Water Haul cost: $0.83/LCY x 907.00 LCY = $752.81
Water Haul +15% grades: $0.36/LCY-mi x 907.00 LCY x 2.00 mi= $653.04

Subtotal: $66,914.69

Road Number: 39-6-23.00 Low Divide West Continued

Section 1800 Soil Stabilization:
  Dry Method with Mulch: $577.32/acre x 0.10 acres = $57.73
        Includes Small Quantity Factor of 1.06
        + Seed Cost: $132.00/acre x 0.10 acres = $13.20
        + Mulch Cost: $320.00/acre x 0.10 acres = $32.00

Subtotal: $102.93

Section 2100 Roadside Brushing:
Manual Brushing
 Comment: Some brushing acreage covered under RMU clear and grubbing
  Roadside Brushing Heavy: $1931.28/acre x 0.21 acres = $405.57
  Chipping Brush
   Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $626.69

Section 8000 Miscellaneous:
  Remove Earth Barricade
   Remove Earth Barricade 1 EA x $300.00/EA = $300.00

Subtotal: $300.00

Mobilization:
  Construction - 6.27% of total Costs = $3,603.93

Subtotal: $3,603.93

Total: $75,809.56

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-23.02 Road Name: Low Divide Spur
Road Renovation: 0.23 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$723.35
Blading 0.23 mi	
700-1200 Surfacing:	$16,590.42
Quarry Name: CPI - 1.5" minus 330.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.33 acres	$969.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $912.53 Surf. $0.00	$912.53
Quarry Development:	$0.00
Total:	$19,195.30

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-23.02 Road Name: Low Divide Spur

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.23 mi = $261.61
  Blading w/o Ditches: $568.71/mi x 0.23 mi = $130.80
  Compaction: $424.32/mi x 0.23 mi = $97.59
  Clean Culverts: $514.62/mi x 0.23 mi = $118.36
  Water for Compaction
   Water Truck 3000 Gal 1 Hr x $114.98/Hr = $114.98

Subtotal: $723.35

Section 700-1200 Surfacing:
Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.23mi	14ft	15ft	4in	10%	1	10ft	50ft	25ft	

  Rock Volume = 330.00 LCY
  Purchase Price / Royalty: $18.00/LCY x 330.00 LCY = $5,940.00
  Processing: $1.22/LCY x 330.00 LCY = $402.60
  Compaction: $1.41/LCY x 330.00 LCY = $465.30
  Grid Rolling: $3.06/LCY x 330.00 LCY = $1,009.80
  T11 & T27 Testing: $0.10/LCY x 330.00 LCY = $33.00
  Basic Rock Haul cost: $1.71/LCY x 330.00 LCY = $564.30
  Rock Haul +15% grades: $2.56/LCY-mi x 330.00 LCY x 3.70 mi= $3,125.76
  Rock Haul -15% grades: $1.28/LCY-mi x 330.00 LCY x 5.40 mi= $2,280.96
  Rock Haul St& Co Roads: $0.57/LCY-mi x 330.00 LCY x 12.00 mi= $2,257.20
  Basic Water Haul cost: $0.83/LCY x 330.00 LCY = $273.90
  Water Haul +15% grades: $0.36/LCY-mi x 330.00 LCY x 2.00 mi= $237.60

Subtotal: $16,590.42

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Heavy: $1931.28/acre x 0.33 acres = $637.32
  Chipping Brush
   Brush Chipper 3 Hr x $110.56/Hr = $331.68

Subtotal: $969.00

Mobilization:
  Construction - 1.59% of total Costs = $912.53

Subtotal: $912.53

Total: $19,195.30

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-25.00 A Road Name: Low Divide E
Road Renovation: 0.61 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.90 acres	$5,284.69
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$3,144.24
Blading 0.61 mi	
700-1200 Surfacing:	$65,735.60
Quarry Name: CPI - 1.5" minus 1,321.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.25 acres	$257.33
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.35 acres	$1,118.19
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$150.00
Mobilization: Const. $3,777.84 Surf. $0.00	$3,777.84
Quarry Development:	$0.00
Total:	$79,467.89

Notes:
- Quantities shown are estimates only and not pay items.
- Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-25.00 A Road Name: Low Divide E

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.1 = 3.25
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.25 x Total Acres: 0.90 = $3,587.69
RMU Clear and grub
Excavator - Large (3 CY) 10 Hr x $169.70/Hr = $1,697.00
Subtotal: $5,284.69

Section 500 Renovation:
Blading: $939.38/mi x 0.61 mi = $573.02
Scarification: $1137.42/mi x 0.30 mi = $341.23
Compaction: $424.32/mi x 0.61 mi = $258.84
Clean Culverts: $514.62/mi x 0.61 mi = $313.92
Water for Compaction
Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92
RMU Road Repair
Backhoe 4 Hr x $111.88/Hr = $447.52
Motor Grader 14M 4 Hr x $187.45/Hr = $749.80
Subtotal: $3,144.24

Section 700-1200 Surfacing:
Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.61mi	14ft	15ft	6in	10%	3	10ft	50ft	25ft	

Rock Volume = 1,321.00 LCY
Purchase Price / Royalty: $18.00/LCY x 1,321.00 LCY = $23,778.00
Processing: $1.22/LCY x 1,321.00 LCY = $1,611.62
Compaction: $1.41/LCY x 1,321.00 LCY = $1,862.61
Grid Rolling: $3.06/LCY x 1,321.00 LCY = $4,042.26
T11 & T27 Testing: $0.10/LCY x 1,321.00 LCY = $132.10
Basic Rock Haul cost: $1.71/LCY x 1,321.00 LCY = $2,258.91
Rock Haul +15% grades: $2.56/LCY-mi x 1,321.00 LCY x 3.50 mi= $11,836.16
Rock Haul -15% grades: $1.28/LCY-mi x 1,321.00 LCY x 5.40 mi= $9,130.75
Rock Haul St& Co Roads: $0.57/LCY-mi x 1,321.00 LCY x 12.00 mi= $9,035.64
Basic Water Haul cost: $0.83/LCY x 1,321.00 LCY = $1,096.43
Water Haul +15% grades: $0.36/LCY-mi x 1,321.00 LCY x 2.00 mi= $951.12
Subtotal: $65,735.60

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.25 acres = $144.33
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.25 acres = $33.00
+ Mulch Cost: $320.00/acre x 0.25 acres = $80.00
Subtotal: $257.33

Section 2100 Roadside Brushing:
Manual Brushing
Comment: Some brushing acreage covered under RMU clear and grubbing
Roadside Brushing Heavy: $1931.28/acre x 0.35 acres = $675.95
Chipping Brush
Brush Chipper 4 Hr x $110.56/Hr = $442.24
Subtotal: $1,118.19

Section 8000 Miscellaneous:
  HPOC Sites
   HPOC 1 EA x $150.00/EA = $150.00

Subtotal: $150.00

Mobilization:
  Construction - 6.57% of total Costs = $3,777.84

Subtotal: $3,777.84

Total: $79,467.89

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-25.01 Road Name: Low Divide E
Road Renovation: 0.76 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 1.45 acres	$7,137.76
300 Excavation:	$0.00
400 Drainage:	$12,485.34
Culvert: 130.00 Lf	
Downspout: 20.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$3,653.47
Blading 0.76 mi	
700-1200 Surfacing:	$83,300.54
Quarry Name: CPI - 1.5" minus 1,632.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.40 acres	$411.73
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.24 acres	$905.75
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $5,385.24 Surf. $0.00	$5,385.24
Quarry Development:	$0.00
Total:	$113,279.84

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-25.01 Road Name: Low Divide E

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0.1 = 3.25
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.25 x Total Acres: 1.45 = $5,780.16
RMU Clear and grub
Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60

Subtotal: $7,137.76

Section 400 Drainage:

Aluminized Milepost 0.23	24 inch 16 ga 50 Lf x $64.28/Lf	= $3,214.00
Aluminized Milepost 0.32	24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Aluminized Milepost 0.41	24 inch 16 ga 40 Lf x $64.28/Lf	= $2,571.20
Full Round Milepost 0.23	24 inch 20 Lf x $34.20/Lf	= $684.00
Splash Pads Milepost 0.32	1 Ea x $222.47/Ea	= $222.47
Splash Pads Milepost 0.41	1 Ea x $222.47/Ea	= $222.47

Additional CMP Costs
Additional CMP Cost 150 LF x $20.00/LF = $3,000.00

Subtotal: $12,485.34

Section 500 Renovation:
Blading: $939.38/mi x 0.76 mi = $713.93
Scarification: $1137.42/mi x 0.50 mi = $568.71
Compaction: $424.32/mi x 0.76 mi = $322.48
Clean Culverts: $514.62/mi x 0.76 mi = $391.11
Water for Compaction
Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92
RMU Road Repair
Backhoe 4 Hr x $111.88/Hr = $447.52
Motor Grader 14M 4 Hr x $187.45/Hr = $749.80

Subtotal: $3,653.47

Section 700-1200 Surfacing:
Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.76mi	14ft	15ft	6in	10%	3	10ft	50ft	25ft	

Rock Volume = 1,632.00 LCY
Purchase Price / Royalty: $18.00/LCY x 1,632.00 LCY = $29,376.00
Processing: $1.22/LCY x 1,632.00 LCY = $1,991.04
Compaction: $1.41/LCY x 1,632.00 LCY = $2,301.12
Grid Rolling: $3.06/LCY x 1,632.00 LCY = $4,993.92
T11 & T27 Testing: $0.10/LCY x 1,632.00 LCY = $163.20
Basic Rock Haul cost: $1.71/LCY x 1,632.00 LCY = $2,790.72
Rock Haul +15% grades: $2.56/LCY-mi x 1,632.00 LCY x 4.00 mi= $16,711.68
Rock Haul -15% grades: $1.28/LCY-mi x 1,632.00 LCY x 5.40 mi= $11,280.38
Rock Haul St& Co Roads: $0.57/LCY-mi x 1,632.00 LCY x 12.00 mi= $11,162.88
Basic Water Haul cost: $0.83/LCY x 1,632.00 LCY = $1,354.56
Water Haul +15% grades: $0.36/LCY-mi x 1,632.00 LCY x 2.00 mi= $1,175.04

Subtotal: $83,300.54

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.40 acres = $230.93
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.40 acres = $52.80
+ Mulch Cost: $320.00/acre x 0.40 acres = $128.00

Subtotal: $411.73

Section 2100 Roadside Brushing:
Manual Brushing
Comment: Some brushing acreage covered under RMU clear and grubbing
Roadside Brushing Heavy: $1931.28/acre x 0.24 acres = $463.51
Chipping Brush
Brush Chipper 4 Hr x $110.56/Hr = $442.24

Subtotal: $905.75

Mobilization:
Construction - 9.37% of total Costs = $5,385.24

Subtotal: $5,385.24

Total: $113,279.84

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-25.04 A-E Road Name:
Road Renovation: 1.13 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$4,198.67
Blading 1.13 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.64 acres	$2,247.01
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $336.69 Surf. $0.00	$336.69
Quarry Development:	$0.00
Total:	$7,082.37

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-25.04 A-E Road Name:

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.50 mi = $568.71
  Blading w/o Ditches: $568.71/mi x 1.13 mi = $642.64
  Compaction: $424.32/mi x 1.13 mi = $479.48
  Clean Culverts (Ea): $85.94/Ea x 5 Ea = $429.70
  Water for Compaction
   Water Truck 3000 Gal 6 Hr x $114.98/Hr = $689.88
  Reshape Failing Subgrade
   Tractor: D7 with rippers 4 Hr x $253.34/Hr = $1,013.36
   Motor Grader 14M 2 Hr x $187.45/Hr = $374.90

Subtotal: $4,198.67

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 1.64 acres = $1,583.65
  Chipping Brush
   Brush Chipper 6 Hr x $110.56/Hr = $663.36

Subtotal: $2,247.01

Section 8000 Miscellaneous:
  Remove Earth Barricade
   Remove Earth Barricade 1 EA x $300.00/EA = $300.00

Subtotal: $300.00

Mobilization:
  Construction - 0.59% of total Costs = $336.69

Subtotal: $336.69

Total: $7,082.37

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-25.05 Road Name:
Road Improvement: 0.26 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.63 acres	$3,791.71
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$1,715.38
Blading 0.26 mi	
700-1200 Surfacing:	$34,312.13
Quarry Name: CPI - 1.5" minus 231.00 LCY	
Quarry Name: CPI - 4" minus 492.00 LCY	
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.15 acres	$154.40
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.10 acres	$207.12
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $2,005.50 Surf. $0.00	$2,005.50
Quarry Development:	$0.00
Total:	$42,186.24

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-25.05 Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
16-30% (Avg Side Slopes): Adjustment Factor (0.1)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.1 + 1.28 + 0.1 = 3.15
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.15 x Total Acres: 0.63 = $2,434.11
Clear and Grub
Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60

Subtotal: $3,791.71

Section 500 Renovation:
Blading: $939.38/mi x 0.04 mi = $37.58
Scarification: $1137.42/mi x 0.10 mi = $113.74
Blading w/o Ditches: $568.71/mi x 0.22 mi = $125.12
Compaction: $424.32/mi x 0.26 mi = $110.32
Water for Compaction
Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96
Clear and Grub Road Repair
Backhoe 2 Hr x $111.88/Hr = $223.76
Motor Grader 14M 2 Hr x $187.45/Hr = $374.90
Construct Water Dip
Construct water Dip 1 EA x $500.00/EA = $500.00

Subtotal: $1,715.38

Section 700-1200 Surfacing:
Commercial Quarry Name: CPI - 1.5" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.16mi	13ft	14ft	4in	10%	2	10ft	50ft	25ft	

Rock Volume = 231.00 LCY
Purchase Price / Royalty: $18.00/LCY x 231.00 LCY = $4,158.00
Processing: $1.22/LCY x 231.00 LCY = $281.82
Compaction: $1.41/LCY x 231.00 LCY = $325.71
Grid Rolling: $3.06/LCY x 231.00 LCY = $706.86
T11 & T27 Testing: $0.10/LCY x 231.00 LCY = $23.10
Basic Rock Haul cost: $1.71/LCY x 231.00 LCY = $395.01
Rock Haul +15% grades: $2.56/LCY-mi x 231.00 LCY x 2.60 mi= $1,537.54
Rock Haul -15% grades: $1.28/LCY-mi x 231.00 LCY x 5.40 mi= $1,596.67
Rock Haul St& Co Roads: $0.57/LCY-mi x 231.00 LCY x 12.00 mi= $1,580.04
Basic Water Haul cost: $0.83/LCY x 231.00 LCY = $191.73
Water Haul +15% grades: $0.36/LCY-mi x 231.00 LCY x 2.00 mi= $166.32

Commercial Quarry Name: CPI - 4" minus

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
0.16mi	14ft	15ft	8in	10%	2	10ft	50ft	25ft	

Rock Volume = 492.00 LCY
Purchase Price / Royalty: $18.00/LCY x 492.00 LCY = $8,856.00
Processing: $1.22/LCY x 492.00 LCY = $600.24
Compaction: $1.41/LCY x 492.00 LCY = $693.72
Grid Rolling: $3.06/LCY x 492.00 LCY = $1,505.52
T11 & T27 Testing: $0.10/LCY x 492.00 LCY = $49.20
Basic Rock Haul cost: $1.71/LCY x 492.00 LCY = $841.32
Rock Haul +15% grades: $2.56/LCY-mi x 492.00 LCY x 2.60 mi= $3,274.75
Rock Haul -15% grades: $1.28/LCY-mi x 492.00 LCY x 5.40 mi= $3,400.70
Rock Haul St& Co Roads: $0.57/LCY-mi x 492.00 LCY x 12.00 mi= $3,365.28
Basic Water Haul cost: $0.83/LCY x 492.00 LCY = $408.36
Water Haul +15% grades: $0.36/LCY-mi x 492.00 LCY x 2.00 mi= $354.24

Subtotal: $34,312.13

Section 1800 Soil Stabilization:
  Dry Method with Mulch: $577.32/acre x 0.15 acres = $86.60
        Includes Small Quantity Factor of 1.06
        + Seed Cost: $132.00/acre x 0.15 acres = $19.80
        + Mulch Cost: $320.00/acre x 0.15 acres = $48.00

Subtotal: $154.40

Section 2100 Roadside Brushing:
Manual Brushing
 Comment: Some brushing acreage covered under clear and grubbing
  Roadside Brushing Medium: $965.64/acre x 0.10 acres = $96.56
  Chipping Brush
   Brush Chipper 1 Hr x $110.56/Hr = $110.56

Subtotal: $207.12

Mobilization:
  Construction - 3.49% of total Costs = $2,005.50

Subtotal: $2,005.50

Total: $42,186.24

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-26.00 A-B Road Name:
Road Renovation: 0.71 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$1,819.62
Blading 0.71 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.03 acres	$1,436.85
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$300.00
Mobilization: Const. $177.51 Surf. $0.00	$177.51
Quarry Development:	$0.00
Total:	$3,733.98

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-26.00 A-B Road Name:

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.50 mi = $568.71
  Blading w/o Ditches: $568.71/mi x 0.71 mi = $403.78
  Compaction: $424.32/mi x 0.71 mi = $301.27
  Clean Culverts (Ea): $85.94/Ea x 1 Ea = $85.94
  Water for Compaction
   Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92

Subtotal: $1,819.62

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 1.03 acres = $994.61
  Chipping Brush
   Brush Chipper 4 Hr x $110.56/Hr = $442.24

Subtotal: $1,436.85

Section 8000 Miscellaneous:
  Remove Earth Barricade
   Remove Earth Barricade 1 EA x $300.00/EA = $300.00

Subtotal: $300.00

Mobilization:
  Construction - 0.31% of total Costs = $177.51

Subtotal: $177.51

Total: $3,733.98

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: 39-6-36.00 A-B Road Name: Little Sugarloaf
Road Renovation: 1.27 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$3,395.60
Blading 0.74 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):1.23 acres	$1,257.23
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $232.23 Surf. $0.00	$232.23
Quarry Development:	$0.00
Total:	$4,885.06

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 39-6-36.00 A-B Road Name: Little Sugarloaf

Section 500 Renovation:
  Blading: $939.38/mi x 0.74 mi = $695.14
  Scarification: $1137.42/mi x 0.50 mi = $568.71
  Compaction: $424.32/mi x 0.74 mi = $314.00
  Clean Culverts: $514.62/mi x 1.27 mi = $653.57
  Water for Compaction
   Water Truck 3000 Gal 4 Hr x $114.98/Hr = $459.92
  Ditch Cleaning BST
   Motor Grader 14M 2 Hr x $187.45/Hr = $374.90
   Backhoe 1 Hr x $111.88/Hr = $111.88
   Dump Truck 10 cy 2 Hr x $108.74/Hr = $217.48

Subtotal: $3,395.60

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Light: $482.82/acre x 1.23 acres = $593.87
  Chipping Brush
   Brush Chipper 6 Hr x $110.56/Hr = $663.36

Subtotal: $1,257.23

Mobilization:
  Construction - 0.40% of total Costs = $232.23

Subtotal: $232.23

Total: $4,885.06

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: FS 4609-940 Road Name:
Road Renovation: 0.18 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres	$0.00
300 Excavation:	$0.00
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$613.44
Blading 0.18 mi	
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 Roadside Brushing (Manual):0.26 acres	$472.19
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $54.19 Surf. $0.00	$54.19
Quarry Development:	$0.00
Total:	$1,139.81

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: FS 4609-940 Road Name:

Section 500 Renovation:
  Scarification: $1137.42/mi x 0.18 mi = $204.74
  Blading w/o Ditches: $568.71/mi x 0.18 mi = $102.37
  Compaction: $424.32/mi x 0.18 mi = $76.38
  Water for Compaction
   Water Truck 3000 Gal 2 Hr x $114.98/Hr = $229.96

Subtotal: $613.44

Section 2100 Roadside Brushing:
Manual Brushing
  Roadside Brushing Medium: $965.64/acre x 0.26 acres = $251.07
  Chipping Brush
   Brush Chipper 2 Hr x $110.56/Hr = $221.12

Subtotal: $472.19

Mobilization:
  Construction - 0.09% of total Costs = $54.19

Subtotal: $54.19

Total: $1,139.81

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 03-03B Road Name:
Temporary Road: 0.33 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 1.60 acres	$9,369.93
300 Excavation: Standard cy	$6,646.75
Haul < 500 ft: 1,130.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.40 acres	$411.73
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$500.00
Mobilization: Const. $844.93 Surf. $0.00	$844.93
Quarry Development:	$0.00
Total:	$17,773.34

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 03-03B Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
16-30% (Avg Side Slopes): Adjustment Factor (0.1)
Pile and Burn (Slash): Adjustment Factor (1.28)
Greater than 40' (Avg Clearing Widths): Adjustment Factor (0)
Total Adjustment Factor:1.67 + 0.1 + 1.28 + 0 = 3.05
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.05 x Total Acres: 1.60 = $5,985.61
Clear and grub
Tractor: D7 with rippers 8 Hr x $253.34/Hr = $2,026.72
Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60

Subtotal: $9,369.93

Section 300 Excavation:
Excavation - Common: $2.69/cy x 1,130.00 cy = $3,039.70
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 1,130.00 cy = $452.00
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 17.4 Sta = $615.97
Slope Rounding: $0.40/Lf x 1,742.00 Lf = $696.80
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 1,130.00 cy = $1,333.40
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 1,130.00 Sta-yd = $237.30
Blading without ditch: $15.59/Station x 17.42 Stations = $271.58

Subtotal: $6,646.75

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.40 acres = $230.93
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.40 acres = $52.80
+ Mulch Cost: $320.00/acre x 0.40 acres = $128.00

Subtotal: $411.73

Section 8000 Miscellaneous:
Construct truck Turnaround
Construct Truck Turnaround 1 EA x $500.00/EA = $500.00

Subtotal: $500.00

Mobilization:
Construction - 1.47% of total Costs = $844.93

Subtotal: $844.93

Total: $17,773.34

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 12-05 Road Name:
Temporary Road: 0.37 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 2.24 acres	$12,038.93
300 Excavation: Standard cy	$11,519.36
Haul < 500 ft: 1,950.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.60 acres	$617.59
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$500.00
Mobilization: Const. $1,231.62 Surf. $0.00	$1,231.62
Quarry Development:	$0.00
Total:	$25,907.51

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 12-05 Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
Greater than 40' (Avg Clearing Widths): Adjustment Factor (0)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0 = 3.15
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.15 x Total Acres: 2.24 = $8,654.61
Clear and Grub
Tractor: D7 with rippers 8 Hr x $253.34/Hr = $2,026.72
Excavator - Large (3 CY) 8 Hr x $169.70/Hr = $1,357.60

Subtotal: $12,038.93

Section 300 Excavation:
Excavation - Common: $2.69/cy x 1,560.00 cy = $4,196.40
Excavation - Rippable: $5.35/cy x 390.00 cy = $2,086.50
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 1,560.00 cy = $624.00
Embankment Placement & Compaction 306.f - Rock: $0.39/cy x 390.00 cy = $152.10
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 19.5 Sta = $690.93
Slope Rounding: $0.40/Lf x 1,954.00 Lf = $781.60
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 1,560.00 cy = $1,840.80
Embankment Placement & Compaction 306.a - Rock: $1.11/cy x 390.00 cy = $432.90
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 1,950.00 Sta-yd = $409.50
Blading without ditch: $15.59/Station x 19.54 Stations = $304.63

Subtotal: $11,519.36

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.60 acres = $346.39
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.60 acres = $79.20
+ Mulch Cost: $320.00/acre x 0.60 acres = $192.00

Subtotal: $617.59

Section 8000 Miscellaneous:
Construct Truck Turnaround
Construct Truck Turnaround 1 EA x $500.00/EA = $500.00

Subtotal: $500.00

Mobilization:
Construction - 2.14% of total Costs = $1,231.62

Subtotal: $1,231.62

Total: $25,907.51

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 17-01 Road Name:
Temporary Road: 0.07 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.40 acres	$2,391.55
300 Excavation: Standard cy	$2,576.52
Haul < 500 ft: 500.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.10 acres	$102.93
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $253.10 Surf. $0.00	$253.10
Quarry Development:	$0.00
Total:	$5,324.10

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 17-01 Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0 = 3.15
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.15 x Total Acres: 0.40 = $1,545.47
Clear and Grub
Tractor: D7 with rippers 2 Hr x $253.34/Hr = $506.68
Excavator - Large (3 CY) 2 Hr x $169.70/Hr = $339.40

Subtotal: $2,391.55

Section 300 Excavation:
Excavation - Common: $2.69/cy x 500.00 cy = $1,345.00
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 500.00 cy = $200.00
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 3.7 Sta = $130.83
Slope Rounding: $0.40/Lf x 370.00 Lf = $148.00
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 500.00 cy = $590.00
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 500.00 Sta-yd = $105.00
Blading without ditch: $15.59/Station x 3.70 Stations = $57.68

Subtotal: $2,576.52

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.10 acres = $57.73
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.10 acres = $13.20
+ Mulch Cost: $320.00/acre x 0.10 acres = $32.00

Subtotal: $102.93

Mobilization:
Construction - 0.44% of total Costs = $253.10

Subtotal: $253.10

Total: $5,324.10

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 17-02A Road Name:
Temporary Road: 0.23 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 1.30 acres	$7,561.00
300 Excavation: Standard cy	$6,290.13
Haul < 500 ft: 1,100.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.35 acres	$360.26
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$1,000.00
Mobilization: Const. $759.23 Surf. $0.00	$759.23
Quarry Development:	$0.00
Total:	$15,970.63

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 17-02A Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Pile and Burn (Slash): Adjustment Factor (1.28)
Greater than 40' (Avg Clearing Widths): Adjustment Factor (0)
Total Adjustment Factor:1.67 + 0.2 + 1.28 + 0 = 3.15
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.15 x Total Acres: 1.30 = $5,022.76
Clear and Grub
Tractor: D7 with rippers 6 Hr x $253.34/Hr = $1,520.04
Excavator - Large (3 CY) 6 Hr x $169.70/Hr = $1,018.20
Subtotal: $7,561.00

Section 300 Excavation:
Excavation - Common: $2.69/cy x 1,000.00 cy = $2,690.00
Excavation - Rippable: $5.35/cy x 100.00 cy = $535.00
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 1,000.00 cy = $400.00
Embankment Placement & Compaction 306.f - Rock: $0.39/cy x 100.00 cy = $39.00
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 12.1 Sta = $429.27
Slope Rounding: $0.40/Lf x 1,214.00 Lf = $485.60
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 1,000.00 cy = $1,180.00
Embankment Placement & Compaction 306.a - Rock: $1.11/cy x 100.00 cy = $111.00
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 1,100.00 Sta-yd = $231.00
Blading without ditch: $15.59/Station x 12.14 Stations = $189.26
Subtotal: $6,290.13

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.35 acres = $202.06
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.35 acres = $46.20
+ Mulch Cost: $320.00/acre x 0.35 acres = $112.00
Subtotal: $360.26

Section 8000 Miscellaneous:
Construct Truck Turnaround
Construct Truck Turnaround 2 EA x $500.00/EA = $1,000.00
Subtotal: $1,000.00

Mobilization:
Construction - 1.32% of total Costs = $759.23
Subtotal: $759.23

Total: $15,970.63

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 17-03A Road Name:
Temporary Road: 0.18 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.88 acres	$5,830.33
300 Excavation: Standard cy	$2,588.83
Haul < 500 ft: 385.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.20 acres	$205.86
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$500.00
Mobilization: Const. $455.45 Surf. $0.00	$455.45
Quarry Development:	$0.00
Total:	$9,580.46

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 17-03A Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
16-30% (Avg Side Slopes): Adjustment Factor (0.1)
Pile and Burn (Slash): Adjustment Factor (1.28)
Greater than 40' (Avg Clearing Widths): Adjustment Factor (0)
Total Adjustment Factor:1.67 + 0.1 + 1.28 + 0 = 3.05
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.05 x Total Acres: 0.88 = $3,292.09
Clear and Grub
Tractor: D7 with rippers 6 Hr x $253.34/Hr = $1,520.04
Excavator - Large (3 CY) 6 Hr x $169.70/Hr = $1,018.20

Subtotal: $5,830.33

Section 300 Excavation:
Excavation - Common: $2.69/cy x 385.00 cy = $1,035.65
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 385.00 cy = $154.00
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 9.5 Sta = $335.92
Slope Rounding: $0.40/Lf x 950.00 Lf = $380.00
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 385.00 cy = $454.30
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 385.00 Sta-yd = $80.85
Blading without ditch: $15.59/Station x 9.50 Stations = $148.11

Subtotal: $2,588.83

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.20 acres = $115.46
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.20 acres = $26.40
+ Mulch Cost: $320.00/acre x 0.20 acres = $64.00

Subtotal: $205.86

Section 8000 Miscellaneous:
Construct Truck Turnaround
Construct Truck Turnaround 1 EA x $500.00/EA = $500.00

Subtotal: $500.00

Mobilization:
Construction - 0.79% of total Costs = $455.45

Subtotal: $455.45

Total: $9,580.46

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 26-01A Road Name:
Temporary Road: 0.12 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.56 acres	$3,787.12
300 Excavation: Standard cy	$3,105.82
Haul < 500 ft: 530.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.20 acres	$205.86
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $354.32 Surf. $0.00	$354.32
Quarry Development:	$0.00
Total:	$7,453.13

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 26-01A Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
16-30% (Avg Side Slopes): Adjustment Factor (0.1)
Pile and Burn (Slash): Adjustment Factor (1.28)
Greater than 40' (Avg Clearing Widths): Adjustment Factor (0)
Total Adjustment Factor:1.67 + 0.1 + 1.28 + 0 = 3.05
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.05 x Total Acres: 0.56 = $2,094.96
Clear and Grub
Tractor: D7 with rippers 4 Hr x $253.34/Hr = $1,013.36
Excavator - Large (3 CY) 4 Hr x $169.70/Hr = $678.80

Subtotal: $3,787.12

Section 300 Excavation:
Excavation - Common: $2.69/cy x 470.00 cy = $1,264.30
Excavation - Rippable: $5.35/cy x 60.00 cy = $321.00
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 470.00 cy = $188.00
Embankment Placement & Compaction 306.f - Rock: $0.39/cy x 60.00 cy = $23.40
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 6.3 Sta = $224.18
Slope Rounding: $0.40/Lf x 634.00 Lf = $253.60
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 470.00 cy = $554.60
Embankment Placement & Compaction 306.a - Rock: $1.11/cy x 60.00 cy = $66.60
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 530.00 Sta-yd = $111.30
Blading without ditch: $15.59/Station x 6.34 Stations = $98.84

Subtotal: $3,105.82

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.20 acres = $115.46
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.20 acres = $26.40
+ Mulch Cost: $320.00/acre x 0.20 acres = $64.00

Subtotal: $205.86

Mobilization:
Construction - 0.62% of total Costs = $354.32

Subtotal: $354.32

Total: $7,453.13

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 26-01B Road Name:
Temporary Road: 0.03 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.15 acres	$984.19
300 Excavation: Standard cy	$489.90
Haul < 500 ft: 60.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.05 acres	$28.87
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $75.02 Surf. $0.00	$75.02
Quarry Development:	$0.00
Total:	$1,577.97

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 26-01B Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
1-15% (Avg Side Slopes): Adjustment Factor (0)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0 + 1.28 + 0.1 = 3.05
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.05 x Total Acres: 0.15 = $561.15
Clear and Grub
Tractor: D7 with rippers 1 Hr x $253.34/Hr = $253.34
Excavator - Large (3 CY) 1 Hr x $169.70/Hr = $169.70

Subtotal: $984.19

Section 300 Excavation:
Excavation - Common: $2.69/cy x 30.00 cy = $80.70
Excavation - Rippable: $5.35/cy x 30.00 cy = $160.50
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 30.00 cy = $12.00
Embankment Placement & Compaction 306.f - Rock: $0.39/cy x 30.00 cy = $11.70
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 1.6 Sta = $55.87
Slope Rounding: $0.40/Lf x 158.00 Lf = $63.20
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 30.00 cy = $35.40
Embankment Placement & Compaction 306.a - Rock: $1.11/cy x 30.00 cy = $33.30
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 60.00 Sta-yd = $12.60
Blading without ditch: $15.59/Station x 1.58 Stations = $24.63

Subtotal: $489.90

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.05 acres = $28.87
Includes Small Quantity Factor of 1.06

Subtotal: $28.87

Mobilization:
Construction - 0.13% of total Costs = $75.02

Subtotal: $75.02

Total: $1,577.97

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 26-01E Road Name:
Temporary Road: 0.04 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.18 acres	$1,096.42
300 Excavation: Standard cy	$550.30
Haul < 500 ft: 80.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.05 acres	$51.47
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $84.76 Surf. $0.00	$84.76
Quarry Development:	$0.00
Total:	$1,782.95

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 26-01E Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
1-15% (Avg Side Slopes): Adjustment Factor (0)
Pile and Burn (Slash): Adjustment Factor (1.28)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0 + 1.28 + 0.1 = 3.05
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.05 x Total Acres: 0.18 = $673.38
Clear and Grub
Tractor: D7 with rippers 1 Hr x $253.34/Hr = $253.34
Excavator - Large (3 CY) 1 Hr x $169.70/Hr = $169.70

Subtotal: $1,096.42

Section 300 Excavation:
Excavation - Common: $2.69/cy x 80.00 cy = $215.20
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 80.00 cy = $32.00
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 2.1 Sta = $74.61
Slope Rounding: $0.40/Lf x 211.00 Lf = $84.40
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 80.00 cy = $94.40
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 80.00 Sta-yd = $16.80
Blading without ditch: $15.59/Station x 2.11 Stations = $32.89

Subtotal: $550.30

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.05 acres = $28.87
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.05 acres = $6.60
+ Mulch Cost: $320.00/acre x 0.05 acres = $16.00

Subtotal: $51.47

Mobilization:
Construction - 0.15% of total Costs = $84.76

Subtotal: $84.76

Total: $1,782.95

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026
Road Number: TR 34-03 Road Name:
Temporary Road: 0.11 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.55 acres	$3,749.71
300 Excavation: Standard cy	$3,680.82
Haul < 500 ft: 600.00 Sta-yds	
400 Drainage:	$0.00
Culvert: 0.00 Lf	
Downspout: 0.00 Lf	
Polypipe: 0.00 Lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.15 acres	$154.40
Includes Small Quantity Factor of 1.06	
1900 Cattleguards:	$0.00
2100 Roadside Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 Sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $378.58 Surf. $0.00	$378.58
Quarry Development:	$0.00
Total:	$7,963.51

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 34-03 Road Name:

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
16-30% (Avg Side Slopes): Adjustment Factor (0.1)
Pile and Burn (Slash): Adjustment Factor (1.28)
Greater than 40' (Avg Clearing Widths): Adjustment Factor (0)
Total Adjustment Factor:1.67 + 0.1 + 1.28 + 0 = 3.05
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.05 x Total Acres: 0.55 = $2,057.55
Clear and grub
Tractor: D7 with rippers 4 Hr x $253.34/Hr = $1,013.36
Excavator - Large (3 CY) 4 Hr x $169.70/Hr = $678.80

Subtotal: $3,749.71

Section 300 Excavation:
Excavation - Common: $2.69/cy x 420.00 cy = $1,129.80
Excavation - Rippable: $5.35/cy x 180.00 cy = $963.00
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 420.00 cy = $168.00
Embankment Placement & Compaction 306.f - Rock: $0.39/cy x 180.00 cy = $70.20
Subgrade Compaction: 4 Sta/Hr $35.36/Sta. x 5.8 Sta = $205.44
Slope Rounding: $0.40/Lf x 581.00 Lf = $232.40
Embankment Placement & Compaction 306.a - Common: $1.18/cy x 420.00 cy = $495.60
Embankment Placement & Compaction 306.a - Rock: $1.11/cy x 180.00 cy = $199.80
End Hauling - 100 to 500 ft: $0.21/Sta-yd x 600.00 Sta-yd = $126.00
Blading without ditch: $15.59/Station x 5.81 Stations = $90.58

Subtotal: $3,680.82

Section 1800 Soil Stabilization:
Dry Method with Mulch: $577.32/acre x 0.15 acres = $86.60
Includes Small Quantity Factor of 1.06
+ Seed Cost: $132.00/acre x 0.15 acres = $19.80
+ Mulch Cost: $320.00/acre x 0.15 acres = $48.00

Subtotal: $154.40

Mobilization:
Construction - 0.66% of total Costs = $378.58

Subtotal: $378.58

Total: $7,963.51

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mobilization Costs - Construction and Surfacing

T.S. Contract Name: Cedar Flat Timber Sale Sale Date: 09/2026

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

Fire Equipment:	5 Ea x	(1.00 x $98.00/Ea +	10 mi x $5.43/mi)	= $761.50
Graders-all:	5 Ea x	(1.00 x $558.00/Ea +	10 mi x $18.75/mi)	= $3,727.50
Brush Cutter:	5 Ea x	(1.00 x $558.00/Ea)		= $2,790.00
Loaders < 3cy:	3 Ea x	(1.00 x $558.00/Ea +	10 mi x $11.74/mi)	= $2,026.20
Rollers & Comp:	12 Ea x	(1.00 x $558.00/Ea +	10 mi x $28.29/mi)	= $10,090.80
Excavators (Lg):	11 Ea x	(1.00 x $1208.00/Ea +	10 mi x $33.94/mi)	= $17,021.40
RTBackhoes 24/30:	5 Ea x	(1.00 x $415.00/Ea +	10 mi x $7.36/mi)	= $2,443.00
Tractors <= D7:	9 Ea x	(1.00 x $883.00/Ea +	10 mi x $49.56/mi)	= $12,407.40
Dump Truck<=15cy:	8 Ea x	(1.00 x $130.00/Ea +	10 mi x $5.44/mi)	= $1,475.20
Water Truck:	5 Ea x	(1.00 x $138.00/Ea +	10 mi x $5.75/mi)	= $977.50
Equipment Washing:	15 Ea x	($250.00) /Ea		= $3,750.00

Subtotal: $57,470.50

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of Construction Quantities

T.S. Contract Name: Cedar Flat Timber Sa Sale Date: 09/2026

Road Number	Const	Improv	Renov	Decomm	Temp
37-6-36.00 J			10.03		
39-5-06.00 A-E			367.49		
39-5-06.02 A			47.52		
39-5-07.00 A-C2			154.18		
39-5-07.01			37.49		
39-5-14.00 A			70.75		
39-5-17.00			57.02		
39-5-17.03			3.7		
39-5-17.04			49.63		
39-5-17.05			2.64		
39-5-17.06		14.78			
39-5-18.01 A-D			200.64		
39-5-19.00 A-C			92.93		
39-5-19.02			59.14		
39-5-19.04			16.37		
39-5-19.05			8.45		
39-5-19.06			14.26		
39-5-19.07			5.28		
39-5-22.00 A-B			233.38		
39-5-27.02			1.58		
39-5-31.01			3.7		
39-5-34.00		31.15			
39-5-34.01			7.92		
39-6-01.00			25.87		
39-6-01.01		13.73			
39-6-02.02			46.99		
39-6-03.00			91.87		
39-6-09.02			50.16		
39-6-11.00 A-D			395.47		
39-6-11.03		8.45			
39-6-12.01			34.85		
39-6-12.02			11.62		
39-6-12.03			8.45		
39-6-12.04			6.86		
39-6-23.00		16.37			
39-6-23.02			12.14		
39-6-25.00 A			32.21		
39-6-25.01			40.13		
39-6-25.04 A-E			59.66		
39-6-25.05		13.73			
39-6-26.00 A-B			37.49		
39-6-36.00 A-B			67.06		
FS 4609-940			9.5		
TR 03-03B					17.42
TR 12-05					19.54
TR 17-01					3.7
TR 17-02A					12.14
TR 17-03A					9.5
TR 26-01A					6.34
TR 26-01B					1.58
TR 26-01E					2.11
TR 34-03					5.81
Total Sta:		98.21	2,374.43		78.14

200 Clearing and Grubbing	Clearing acres
37-6-36.00 J	0.00
39-5-06.00 A-E	0.00
39-5-06.02 A	0.00
39-5-07.00 A-C2	0.41
39-5-07.01	0.00
39-5-14.00 A	0.00
39-5-17.00	0.18
39-5-17.03	0.00
39-5-17.04	0.00
39-5-17.05	0.00
39-5-17.06	0.68
39-5-18.01 A-D	0.47
39-5-19.00 A-C	0.00
39-5-19.02	0.00
39-5-19.04	0.00
39-5-19.05	0.00
39-5-19.06	0.00
39-5-19.07	0.00
39-5-22.00 A-B	7.08
39-5-27.02	0.00
39-5-31.01	0.00
39-5-34.00	1.43
39-5-34.01	0.55
39-6-01.00	0.00
39-6-01.01	0.63
39-6-02.02	0.00
39-6-03.00	0.00
39-6-09.02	0.63
39-6-11.00 A-D	9.96
39-6-11.03	0.39
39-6-12.01	0.60
39-6-12.02	0.53
39-6-12.03	0.00
39-6-12.04	0.00
39-6-23.00	0.40
39-6-23.02	0.00
39-6-25.00 A	0.90
39-6-25.01	1.45
39-6-25.04 A-E	0.00
39-6-25.05	0.63
39-6-26.00 A-B	0.00
39-6-36.00 A-B	0.00
FS 4609-940	0.00
TR 03-03B	1.60
TR 12-05	2.24
TR 17-01	0.40
TR 17-02A	1.30
TR 17-03A	0.88
TR 26-01A	0.56
TR 26-01B	0.15
TR 26-01E	0.18
TR 34-03	0.55
Totals:	34.78

Additional Clear and grub 39-6-01.01
- Excavator - Large (3 CY) . . . . . 8 Hr

Clear and grub TR 03-03B
- Tractor: D7 with rippers . . . . . 8 Hr
- Excavator - Large (3 CY) . . . . . 8 Hr

Clear and Grub 39-6-12.01

Excavator - Large (3 CY) . . . . . 8 Hr
Clear and Grub 39-6-11.03
Excavator - Large (3 CY) . . . . . 4 Hr
Clear and Grub 39-5-17.06
Excavator - Large (3 CY) . . . . . 16 Hr
Clear and grub TR 34-03
Tractor: D7 with rippers . . . . . 4 Hr
Excavator - Large (3 CY) . . . . . 4 Hr
Clear and Grub 39-6-25.05
Excavator - Large (3 CY) . . . . . 8 Hr
Clear and Grub 39-6-12.02
Excavator - Large (3 CY) . . . . . 4 Hr
Clear and Grub TR 12-05
Tractor: D7 with rippers . . . . . 8 Hr
Excavator - Large (3 CY) . . . . . 8 Hr
Clear and Grub TR 17-01
Tractor: D7 with rippers . . . . . 2 Hr
Excavator - Large (3 CY) . . . . . 2 Hr
Clear and Grub TR 17-02A
Tractor: D7 with rippers . . . . . 6 Hr
Excavator - Large (3 CY) . . . . . 6 Hr
Clear and Grub TR 17-03A
Tractor: D7 with rippers . . . . . 6 Hr
Excavator - Large (3 CY) . . . . . 6 Hr
Clear and Grub TR 26-01A
Tractor: D7 with rippers . . . . . 4 Hr
Excavator - Large (3 CY) . . . . . 4 Hr
Clear and Grub TR 26-01B
Tractor: D7 with rippers . . . . . 1 Hr
Excavator - Large (3 CY) . . . . . 1 Hr
Clear and Grub TR 26-01E
Tractor: D7 with rippers . . . . . 1 Hr
Excavator - Large (3 CY) . . . . . 1 Hr
RMU Clear and Grub 39-5-22.00 A-B
Excavator - Large (3 CY) . . . . . 40 Hr
RMU Clear and Grub 39-5-34.00
Excavator - Large (3 CY) . . . . . 12 Hr
RMU Clear and Grub 39-5-34.01
Excavator - Large (3 CY) . . . . . 4 Hr
RMU Clear and Grub 39-5-17.00
Excavator - Large (3 CY) . . . . . 2 Hr
RMU Clear and Grub 39-6-09.02
Excavator - Large (3 CY) . . . . . 4 Hr
RMU Clear and Grub 39-6-11.00 A-D
Excavator - Large (3 CY) . . . . . 40 Hr
RMU Clear and Grub 39-5-07.00 A-C2
Excavator - Large (3 CY) . . . . . 4 Hr
RMU Clear and grub 39-6-25.00 A
Excavator - Large (3 CY) . . . . . 10 Hr
RMU Clear and grub 39-6-25.01
Excavator - Large (3 CY) . . . . . 8 Hr
RMU Clear and Grub 39-6-23.00
Excavator - Large (3 CY) . . . . . 6 Hr

300 Excavation	Excav LCY.s	Haul Sta-yds	Haul yd-mi
TR 03-03B	1,130	1,130	0
TR 12-05	1,950	1,950	0
TR 17-01	500	500	0
TR 17-02A	1,100	1,100	0
TR 17-03A	385	385	0
TR 26-01A	530	530	0

Continuation of Construction Quantities

TR 26-01B	60	60	0
TR 26-01E	80	80	0
TR 34-03	600	600	0
Totals:	6,335	6,335	0

400 Drainage

Road Number	CMP Culvert	Polypipes	Downspouts
39-5-06.02 A	134 Lf	0 Lf	20 Lf
39-5-07.00 A-C2	430 Lf	0 Lf	20 Lf
39-5-07.01	156 Lf	0 Lf	0 Lf
39-5-17.00	180 Lf	0 Lf	20 Lf
39-5-19.00 A-C	80 Lf	0 Lf	0 Lf
39-5-19.02	76 Lf	0 Lf	0 Lf
39-6-11.00 A-D	314 Lf	0 Lf	70 Lf
39-6-25.01	130 Lf	0 Lf	20 Lf
Total Drainage:	1,500 Lf		150 Lf

Culvert Qty	Aluminized	Galvanized	Poly Pipe
12 inch	0 lf	0 lf	
18 inch	0 lf	0 lf	0 lf
24 inch	1450 lf	0 lf	0 lf
30 inch	0 lf	0 lf	0 lf
36 inch	50 lf	0 lf	0 lf
42 inch	0 lf	0 lf	
48 inch	0 lf	0 lf	

Downspout Qty	Half Round	Full (poly)	Full (galv)
18 inch	0 lf	0 lf	0 lf
21 inch	0 lf		
24 inch	0 lf	0 lf	150 lf
30 inch			0 lf

Additional CMP Cost 39-5-07.01
Additional CMP Cost . . . . . 156 LF
Additional CMP Cost 39-5-06.02 A
Additional CMP Cost . . . . . 154 LF
Additional CMP Costs 39-6-25.01
Additional CMP Cost . . . . . 150 LF
Additional CMP Costs 39-6-11.00 A-D
Additional CMP Cost . . . . . 384 LF
Additional CMP Costs 39-5-19.02
Additional CMP Cost . . . . . 76 LF
Additional CMP Costs 39-5-19.00 A-C
Additional CMP Cost . . . . . 80 LF
Additional CMP Costs 39-5-17.00
Additional CMP Cost . . . . . 200 LF
Additional CMP Costs 39-5-07.00 A-C2
Additional CMP Cost . . . . . 450 LF

500 Renovation	Blade Miles	Slide cy
37-6-36.00 J	0.19	0
39-5-06.02 A	0.90	0
39-5-07.00 A-C2	2.92	0
39-5-07.01	0.71	170
39-5-17.00	1.08	0

Continuation of Construction Quantities

39-5-17.03	0.07	0
39-5-17.04	0.94	20
39-5-17.05	0.05	0
39-5-17.06	0.28	100
39-5-19.00 A-C	1.76	0
39-5-19.02	1.12	0
39-5-19.04	0.31	0
39-5-19.05	0.16	0
39-5-19.06	0.27	0
39-5-19.07	0.10	0
39-5-22.00 A-B	4.42	0
39-5-27.02	0.03	0
39-5-31.01	0.07	0
39-5-34.00	0.59	0
39-5-34.01	0.15	0
39-6-01.00	0.49	0
39-6-01.01	0.26	0
39-6-02.02	0.89	0
39-6-03.00	1.74	0
39-6-09.02	0.95	0
39-6-11.00 A-D	7.49	0
39-6-11.03	0.16	0
39-6-12.01	0.66	0
39-6-12.02	0.22	0
39-6-12.03	0.16	0
39-6-12.04	0.13	0
39-6-23.00	0.31	0
39-6-23.02	0.23	0
39-6-25.00 A	0.61	0
39-6-25.01	0.76	0
39-6-25.04 A-E	1.13	0
39-6-25.05	0.26	0
39-6-26.00 A-B	0.71	0
39-6-36.00 A-B	0.74	0
FS 4609-940	0.18	0
Totals:	34.20	290

Additional Improvement Time 39-5-34.00
- Tractor: D7 with rippers . . . . . 8 Hr

Additional Road Prep 39-6-01.01
- Tractor: D7 with rippers . . . . . 8 Hr
- Excavator - Large (3 CY) . . . . . 8 Hr
- Motor Grader 14M . . . . . 4 Hr

Cleaning Ditches 39-5-14.00 A
- Motor Grader 14M . . . . . 4 Hr
- Backhoe . . . . . 2 Hr
- Dump Truck 10 cy . . . . . 4 Hr

Cleaning Ditches BST 39-5-06.00 A-E
- Motor Grader 14M . . . . . 16 Hr
- Dump Truck 10 cy . . . . . 16 Hr
- Backhoe . . . . . 8 Hr

Clear and Grub Road Repair 39-6-12.01
- Backhoe . . . . . 4 Hr
- Motor Grader 14M . . . . . 4 Hr

Clear and Grub Road Repair 39-6-25.05
- Backhoe . . . . . 2 Hr
- Motor Grader 14M . . . . . 2 Hr

Clear and Grub Road Repair 39-6-11.03
- Backhoe . . . . . 2 Hr
- Motor Grader 14M . . . . . 2 Hr

Clear and Grub Road Repair 39-6-12.02
- Backhoe . . . . . 2 Hr
- Motor Grader 14M . . . . . 2 Hr

Continuation of Construction Quantities

Construct Water Dip 39-6-25.05
Construct water Dip . . . . . 1 EA
Ditch Cleaning 39-5-18.01 A-D
Motor Grader 14M . . . . . 12 Hr
Backhoe . . . . . 6 Hr
Dump Truck 10 cy . . . . . 12 Hr
Ditch Cleaning BST 39-6-36.00 A-B
Motor Grader 14M . . . . . 2 Hr
Backhoe . . . . . 1 Hr
Dump Truck 10 cy . . . . . 2 Hr
Fill Failure Repair 0.64 39-5-17.04
Excavator - Large (3 CY) . . . . . 12 Hr
Vibratory roller, Steel Drum . . . . . 6 Hr
Water Truck 3000 Gal . . . . . 6 Hr
Tractor: D7 with rippers . . . . . 6 Hr
Fill Failure Repair MP 0.12 39-5-17.06
Excavator - Large (3 CY) . . . . . 12 Hr
Tractor: D7 with rippers . . . . . 6 Hr
Vibratory roller, Steel Drum . . . . . 6 Hr
Water Truck 3000 Gal . . . . . 6 Hr
Fill Failure Repair MP 0.13 39-5-17.06
Excavator - Large (3 CY) . . . . . 8 Hr
Tractor: D7 with rippers . . . . . 6 Hr
Water Truck 3000 Gal . . . . . 6 Hr
Vibratory roller, Steel Drum . . . . . 6 Hr
Fill Failure Repair MP 0.14 39-5-17.06
Excavator - Large (3 CY) . . . . . 8 Hr
Tractor: D7 with rippers . . . . . 6 Hr
Vibratory roller, Steel Drum . . . . . 6 Hr
Water Truck 3000 Gal . . . . . 6 Hr
HEavy Rutting Repair 39-5-17.06
Tractor: D7 with rippers . . . . . 8 Hr
Reshape Failing Subgrade 39-6-25.04 A-E
Tractor: D7 with rippers . . . . . 4 Hr
Motor Grader 14M . . . . . 2 Hr
RMU Road Repair 39-6-11.00 A-D
Backhoe . . . . . 16 Hr
Motor Grader 14M . . . . . 16 Hr
RMU Road Repair 39-5-34.00
Backhoe . . . . . 3 Hr
Motor Grader 14M . . . . . 3 Hr
RMU Road Repair 39-5-17.00
Motor Grader 14M . . . . . 1 Hr
Backhoe . . . . . 1 Hr
RMU Road Repair 39-6-25.00 A
Backhoe . . . . . 4 Hr
Motor Grader 14M . . . . . 4 Hr
RMU Road Repair 39-6-09.02
Backhoe . . . . . 2 Hr
Motor Grader 14M . . . . . 2 Hr
RMU Road Repair 39-6-23.00
Backhoe . . . . . 2 Hr
Motor Grader 14M . . . . . 2 Hr
RMU Road Repair 39-5-22.00 A-B
Motor Grader 14M . . . . . 24 Hr
Backhoe . . . . . 24 Hr
RMU Road Repair 39-6-25.01
Backhoe . . . . . 4 Hr
Motor Grader 14M . . . . . 4 Hr
RMU Road Repair 39-5-34.01
Backhoe . . . . . 2 Hr
Motor Grader 14M . . . . . 2 Hr
RMU Road Repairs 39-5-07.00 A-C2

Backhoe . . . . . 2 Hr
Motor Grader 14M . . . . . 2 Hr
Water for Compaction 39-5-19.04
Water Truck 3000 Gal . . . . . 2 Hr
Water for Compaction 39-5-19.06
Water Truck 3000 Gal . . . . . 2 Hr
water for Compaction 39-5-22.00 A-B
Water Truck 3000 Gal . . . . . 20 Hr
Water for Compaction 39-5-06.02 A
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-5-19.05
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-5-19.07
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-5-19.02
Water Truck 3000 Gal . . . . . 5 Hr
Water for Compaction 39-5-07.00 A-C2
Water Truck 3000 Gal . . . . . 12 Hr
water for Compaction 39-5-17.05
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-5-17.03
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-5-17.04
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-5-17.00
Water Truck 3000 Gal . . . . . 5 Hr
Water for Compaction 39-5-07.01
Water Truck 3000 Gal . . . . . 3 Hr
Water for Compaction 39-5-19.00 A-C
Water Truck 3000 Gal . . . . . 8 Hr
Water for Compaction 39-6-11.03
Water Truck 3000 Gal . . . . . 2 Hr
Water for Compaction 39-6-36.00 A-B
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-6-26.00 A-B
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-6-25.05
Water Truck 3000 Gal . . . . . 2 Hr
Water for Compaction 39-6-25.04 A-E
Water Truck 3000 Gal . . . . . 6 Hr
Water for Compaction 39-6-25.01
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-6-25.00 A
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-6-23.02
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-6-23.00
Water Truck 3000 Gal . . . . . 2 Hr
water for Compaction 39-6-12.04
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-6-12.03
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-5-34.01
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-6-12.01
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-5-27.02
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-6-11.00 A-D
Water Truck 3000 Gal . . . . . 32 Hr
Water for Compaction 39-6-09.02
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-6-03.00

Water Truck 3000 Gal . . . . . 8 Hr
Water for Compaction 39-6-02.02
Water Truck 3000 Gal . . . . . 4 Hr
Water for Compaction 39-6-01.01
Water Truck 3000 Gal . . . . . 2 Hr
Water for Compaction FS 4609-940
Water Truck 3000 Gal . . . . . 2 Hr
Water for Compaction 39-6-01.00
Water Truck 3000 Gal . . . . . 2 Hr
Water for Compaction 37-6-36.00 J
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-5-34.00
Water Truck 3000 Gal . . . . . 6 Hr
water for Compaction 39-5-31.01
Water Truck 3000 Gal . . . . . 1 Hr
Water for Compaction 39-6-12.02
Water Truck 3000 Gal . . . . . 2 Hr

Surfacing (Loose Cubic Yards)
Note: Due to slight rounding differences between total LCY vs. subtotaled LCY, Totals shown here may not be exactly as shown in the road summaries and worksheets.

Quarry Name: Rock Cr - BLM Stockpile

3 Stage Crusher	Roadway	Turnouts	Other	
39-5-07.00 A-C2	0	0	400	400
39-5-17.05	0	0	69	69
39-5-19.00 A-C	0	0	80	80
39-5-19.02	0	0	80	80
Totals:	0	0	629	629

Quarry Name: CPI - 1.5" minus

Commercial	Roadway	Turnouts	Other	
39-5-06.02 A	0	0	120	120
39-5-07.01	0	0	160	160
39-5-17.00	1,493	62	0	1,555
39-5-17.06	360	12	0	372
39-6-11.00 A-D	0	0	320	320
39-6-11.03	206	12	50	268
39-6-12.02	304	12	0	316
39-6-12.04	180	0	0	180
39-6-23.00	399	25	0	424
39-6-23.02	318	12	0	330
39-6-25.00 A	1,265	55	0	1,320
39-6-25.01	1,576	55	0	1,631
39-6-25.05	206	25	0	231
Totals:	6,307	270	650	7,227

Quarry Name: CPI - 4" minus

Commercial	Roadway	Turnouts	Other	
39-5-17.06	774	25	0	799
39-6-11.03	443	25	50	518
39-6-23.00	857	49	0	906
39-6-25.05	443	49	0	492
Totals:	2,517	148	50	2,715

1300 Geotextiles

Continuation of Construction Quantities

1400 Slope Protection
Quarry Name: CPI – Class 3 Riprap

Totals:	650 cy

Fill Failure Repair 0.64 39-5-17.04
Class 3 Riprap . . . . . 150 CY
Fill Failure Repair MP 0.12 39-5-17.06
Class 3 Riprap . . . . . 200 CY
Fill Failure Repair MP 0.13 39-5-17.06
Class 3 Riprap . . . . . 150 CY
Fill Failure Repair MP 0.14 39-5-17.06
Class 3 Riprap . . . . . 150 CY

1800 Soil Stabilization - acres	Dry W/O Mulch	Dry/with Mulch	Hydro Mulch
39-5-07.00 A-C2	0.0	0.10	0.0
39-5-17.00	0.0	0.05	0.0
39-5-17.06	0.0	0.20	0.0
39-5-18.01 A-D	0.0	0.15	0.0
39-5-22.00 A-B	0.0	1.80	0.0
39-5-34.00	0.0	0.40	0.0
39-5-34.01	0.0	0.15	0.0
39-6-01.01	0.0	0.15	0.0
39-6-09.02	0.0	0.15	0.0
39-6-11.00 A-D	0.0	2.50	0.0
39-6-11.03	0.0	0.10	0.0
39-6-12.01	0.0	0.15	0.0
39-6-12.02	0.0	0.15	0.0
39-6-23.00	0.0	0.10	0.0
39-6-25.00 A	0.0	0.25	0.0
39-6-25.01	0.0	0.40	0.0
39-6-25.05	0.0	0.15	0.0
TR 03-03B	0.0	0.40	0.0
TR 12-05	0.0	0.60	0.0
TR 17-01	0.0	0.10	0.0
TR 17-02A	0.0	0.35	0.0
TR 17-03A	0.0	0.20	0.0
TR 26-01A	0.0	0.20	0.0
TR 26-01B	0.0	0.05	0.0
TR 26-01E	0.0	0.05	0.0
TR 34-03	0.0	0.15	0.0
Totals:	0.00	9.05	0.00

Small Quantity Factor of 1.06 used

2100 Roadside Brushing	acres
37-6-36.00 J - Manual Brushing	0.28
39-5-06.00 A-E - Manual Brushing	6.75
39-5-06.02 A - Manual Brushing	1.31
39-5-07.00 A-C2 - Manual Brushing	3.84
39-5-07.01 - Manual Brushing	1.03
39-5-14.00 A - Manual Brushing	1.30
39-5-17.00 - Manual Brushing	1.39
39-5-17.03 - Manual Brushing	0.10
39-5-17.04 - Manual Brushing	1.37

Continuation of Construction Quantities

39-5-17.05 - Manual Brushing	0.07
39-5-17.06 - Manual Brushing	0.41
39-5-18.01 A-D - Manual Brushing	3.68
39-5-19.00 A-C - Manual Brushing	2.56
39-5-19.02 - Manual Brushing	1.63
39-5-19.04 - Manual Brushing	0.45
39-5-19.05 - Manual Brushing	0.23
39-5-19.06 - Manual Brushing	0.65
39-5-19.07 - Manual Brushing	0.15
39-5-22.00 A-B - Manual Brushing	2.18
39-5-27.02 - Manual Brushing	0.04
39-5-31.01 - Manual Brushing	0.10
39-5-34.00 - Manual Brushing	1.07
39-6-01.00 - Manual Brushing	0.71
39-6-01.01 - Manual Brushing	0.38
39-6-02.02 - Manual Brushing	1.29
39-6-03.00 - Manual Brushing	2.53
39-6-09.02 - Manual Brushing	1.00
39-6-11.00 A-D - Manual Brushing	4.91
39-6-11.03 - Manual Brushing	0.23
39-6-12.01 - Manual Brushing	0.75
39-6-12.02 - Manual Brushing	0.20
39-6-12.03 - Manual Brushing	0.23
39-6-12.04 - Manual Brushing	0.19
39-6-23.00 - Manual Brushing	0.21
39-6-23.02 - Manual Brushing	0.33
39-6-25.00 A - Manual Brushing	0.35
39-6-25.01 - Manual Brushing	0.24
39-6-25.04 A-E - Manual Brushing	1.64
39-6-25.05 - Manual Brushing	0.10
39-6-26.00 A-B - Manual Brushing	1.03
39-6-36.00 A-B - Manual Brushing	1.23
FS 4609-940 - Manual Brushing	0.26
Totals:	48.40

Additional Time for Down Trees 39-5-19.06
Chainsaw . . . . . 10 Hr
Chipping Brush 39-5-17.05
Brush Chipper . . . . . 1 Hr
Chipping Brush 39-5-22.00 A-B
Brush Chipper . . . . . 16 Hr
Chipping Brush 39-5-19.07
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-5-19.06
Brush Chipper . . . . . 4 Hr
Chipping Brush 39-5-19.05
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-5-19.04
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-5-19.02
Brush Chipper . . . . . 8 Hr
Chipping Brush 39-5-19.00 A-C
Brush Chipper . . . . . 14 Hr
Chipping Brush 37-6-36.00 J
Brush Chipper . . . . . 1 Hr
Chipping Brush 39-5-17.06
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-5-34.00
Brush Chipper . . . . . 6 Hr
Chipping Brush 39-5-17.04
Brush Chipper . . . . . 5 Hr
Chipping Brush 39-5-17.03
Brush Chipper . . . . . 1 Hr

Chipping Brush 39-5-17.00
Brush Chipper . . . . . 5 Hr
Chipping Brush 39-5-14.00 A
Brush Chipper . . . . . 4 Hr
Chipping Brush 39-5-07.01
Brush Chipper . . . . . 8 Hr
Chipping Brush 39-5-07.00 A-C2
Brush Chipper . . . . . 16 Hr
Chipping Brush 39-5-06.02 A
Brush Chipper . . . . . 9 Hr
Chipping Brush 39-5-06.00 A-E
Brush Chipper . . . . . 24 Hr
Chipping Brush 39-5-18.01 A-D
Brush Chipper . . . . . 12 Hr
Chipping Brush 39-6-12.02
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-6-36.00 A-B
Brush Chipper . . . . . 6 Hr
Chipping Brush 39-6-26.00 A-B
Brush Chipper . . . . . 4 Hr
Chipping Brush 39-6-25.05
Brush Chipper . . . . . 1 Hr
Chipping Brush 39-6-25.04 A-E
Brush Chipper . . . . . 6 Hr
Chipping Brush 39-6-25.01
Brush Chipper . . . . . 4 Hr
Chipping Brush 39-6-25.00 A
Brush Chipper . . . . . 4 Hr
Chipping Brush 39-6-23.02
Brush Chipper . . . . . 3 Hr
Chipping Brush 39-6-23.00
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-5-27.02
Brush Chipper . . . . . 1 Hr
Chipping Brush 39-6-12.03
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-5-31.01
Brush Chipper . . . . . 1 Hr
Chipping Brush 39-6-12.01
Brush Chipper . . . . . 6 Hr
Chipping Brush 39-6-11.03
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-6-11.00 A-D
Brush Chipper . . . . . 16 Hr
Chipping Brush 39-6-09.02
Brush Chipper . . . . . 8 Hr
Chipping Brush 39-6-03.00
Brush Chipper . . . . . 16 Hr
Chipping Brush 39-6-02.02
Brush Chipper . . . . . 5 Hr
Chipping Brush 39-6-01.01
Brush Chipper . . . . . 4 Hr
Chipping Brush 39-6-01.00
Brush Chipper . . . . . 3 Hr
Chipping Brush FS 4609-940
Brush Chipper . . . . . 2 Hr
Chipping Brush 39-6-12.04
Brush Chipper . . . . . 2 Hr

Continuation of Construction Quantities

8000 Miscellaneous

Construct Truck Turnaround TR 17-02A
Construct Truck Turnaround . . . . . 2 EA

Construct Truck Turnaround TR 12-05
Construct Truck Turnaround . . . . . 1 EA

Construct truck Turnaround TR 03-03B
Construct Truck Turnaround . . . . . 1 EA

Construct Truck Turnaround TR 17-03A
Construct Truck Turnaround . . . . . 1 EA

HPOC Sites 39-6-11.00 A-D
HPOC . . . . . 6 EA

HPOC Sites 39-5-07.00 A-C2
HPOC . . . . . 5 EA

HPOC Sites 39-5-17.00
HPOC . . . . . 2 EA

HPOC Sites 39-6-25.00 A
HPOC . . . . . 1 EA

HPOC Sites 39-5-19.00 A-C
HPOC . . . . . 2 EA

HPOC Sites 39-5-19.05
HPOC . . . . . 1 EA

HPOC Sites 39-5-06.02 A
HPOC . . . . . 2 EA

HPOC Sites 39-5-22.00 A-B
HPOC . . . . . 6 EA

Remove Earth Barricade 39-5-34.00
Remove Earth Barricade . . . . . 1 EA

Remove Earth Barricade 39-5-34.01
Remove Earth Barricade . . . . . 1 EA

Remove Earth Barricade 39-5-19.07
Remove Earth Barricade . . . . . 1 EA

Remove Earth Barricade 39-6-23.00
Remove Earth Barricade . . . . . 1 EA

Remove Earth Barricade 39-6-25.04 A-E
Remove Earth Barricade . . . . . 1 EA

Remove Earth Barricade 39-6-26.00 A-B
Remove Earth Barricade . . . . . 1 EA

Remove Existing Barricade 39-6-01.01
Remove Slash Pile Barricade . . . . . 1 EA

EXHIBIT C1

CEDAR FLAT TIMBER SALE
TRACT NO. ORM070-TS-2026.0007

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT

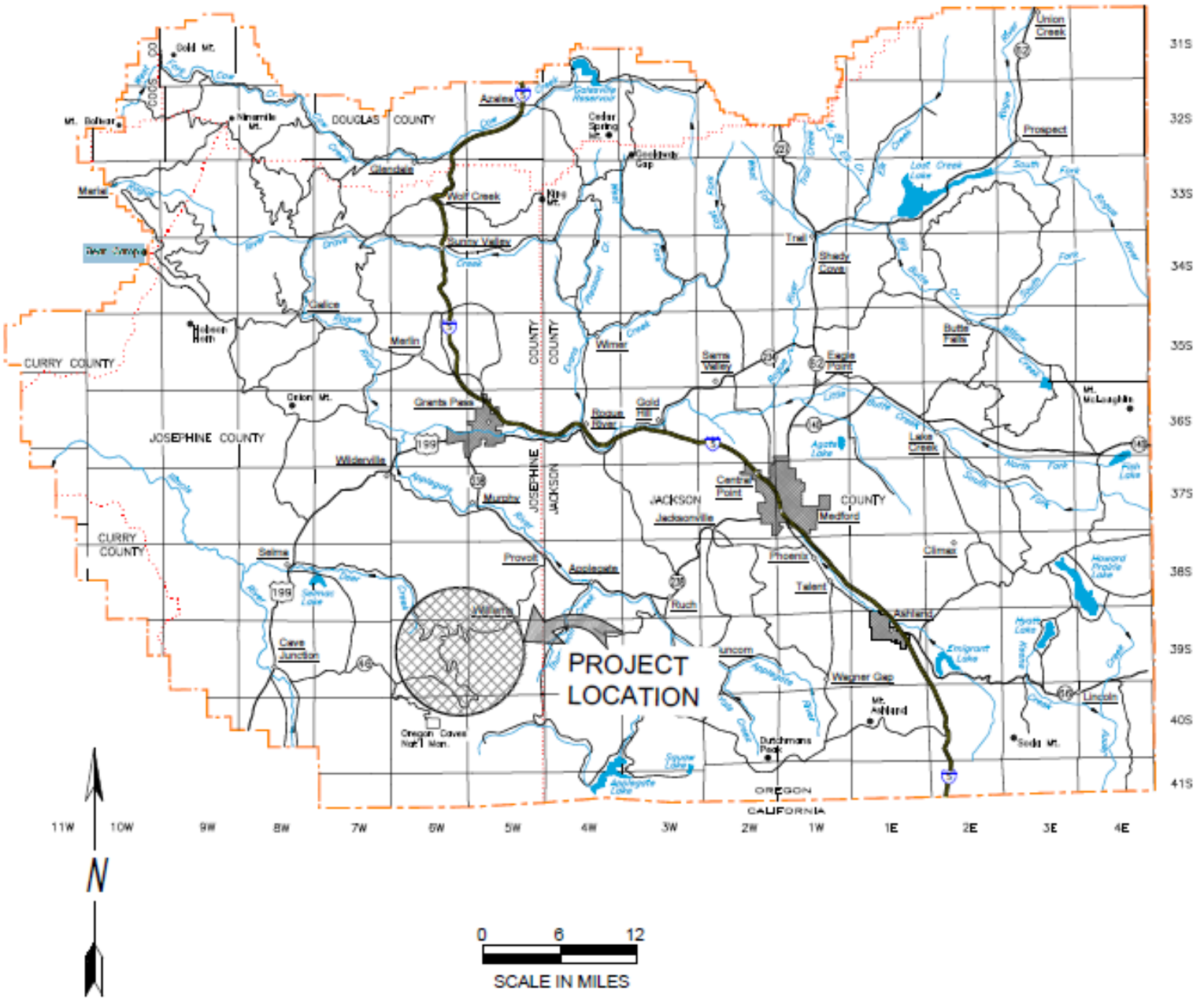


EXHIBIT NO.	DESCRIPTION
C1	RENOVATION TITLE SHEET
C2	ROAD RENOVATION MAPS
C3	ESTIMATE OF QUANTITIES - CONSTRUCTION
C4	SPECIFICATION SHEET
C5	TYPICAL ROAD RENOVATION DETAILS
C6	ROADSIDE BRUSHING DETAIL
C7	ROADSIDE MANAGEMENT UNIT DETAIL
C8	CULVERT REPLACEMENT LIST
C9	CULVERT INSTALLATION DETAILS
C10	CULVERT BAND DETAIL
C11	DOWNSPOUT INSTALLATION DETAILS
C12	DRAINAGE & EROSION CONTROL DETAILS
C13	ROAD SURFACING & CURVE WIDENING SECTIONS
C14	TYPICAL TURNOUT SURFACING
C15	TYPICAL ROAD JUNCTION APRON SURFACING
C16	ROAD RENOVATION WORKLIST
C17	SPECIAL PROVISIONS
C18	ROAD SPECIFICATIONS

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

CEDAR FLAT TIMBER SALE
ROAD RENOVATION
TITLE SHEET

DRAFTED BY: BLM	SCALE: 1" = 12 MI
DATE: JULY 2026	SHEET: 1 OF 1

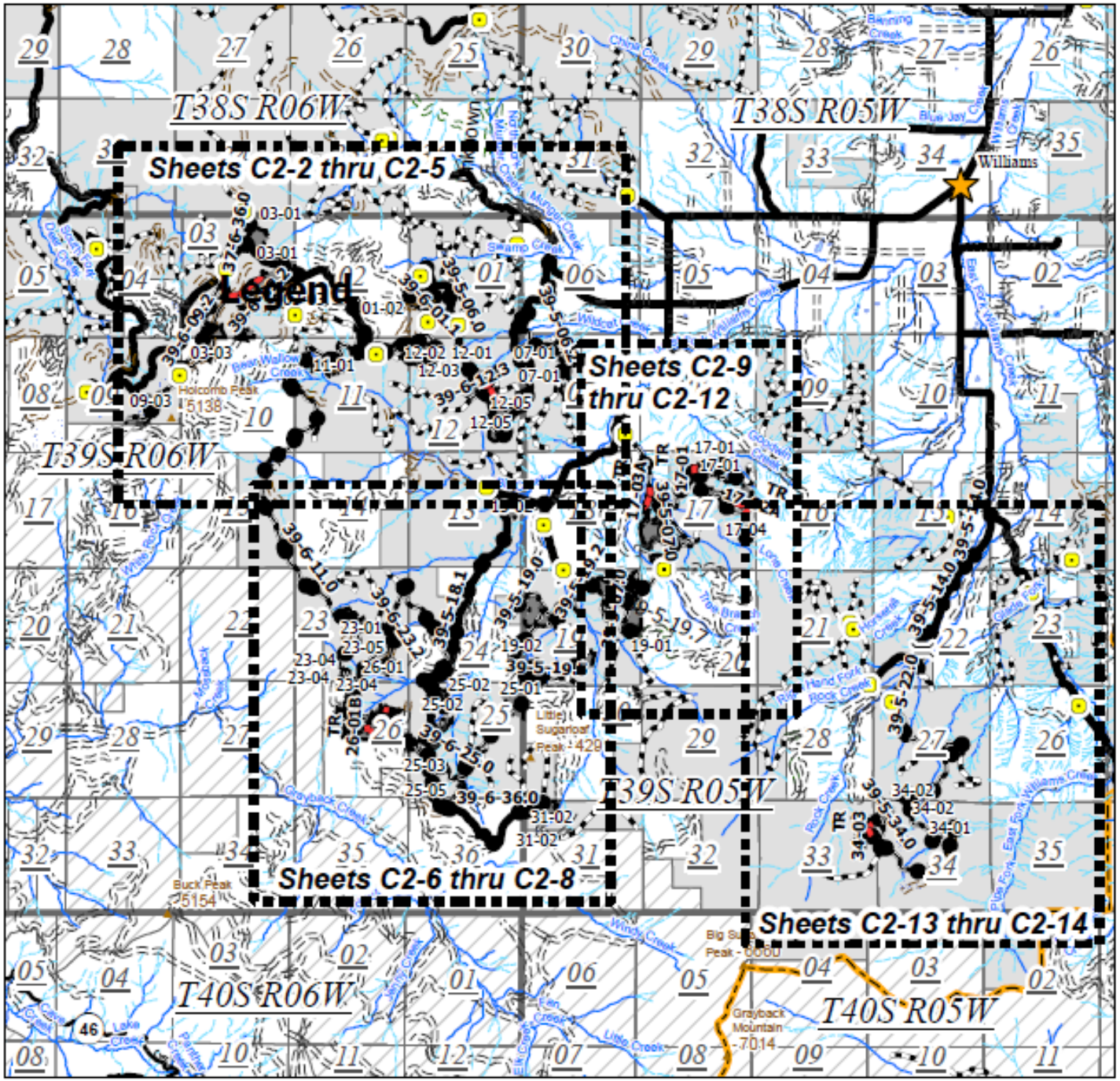


Exhibit C2-1

Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

- Cities point
- Field Office Boundary
- Counties
- GPFO Gates

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

CEDAR FLAT TIMBER SALE
ROAD RENOVATION MAP
OVERALL SALE AREA

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 1 OF 14

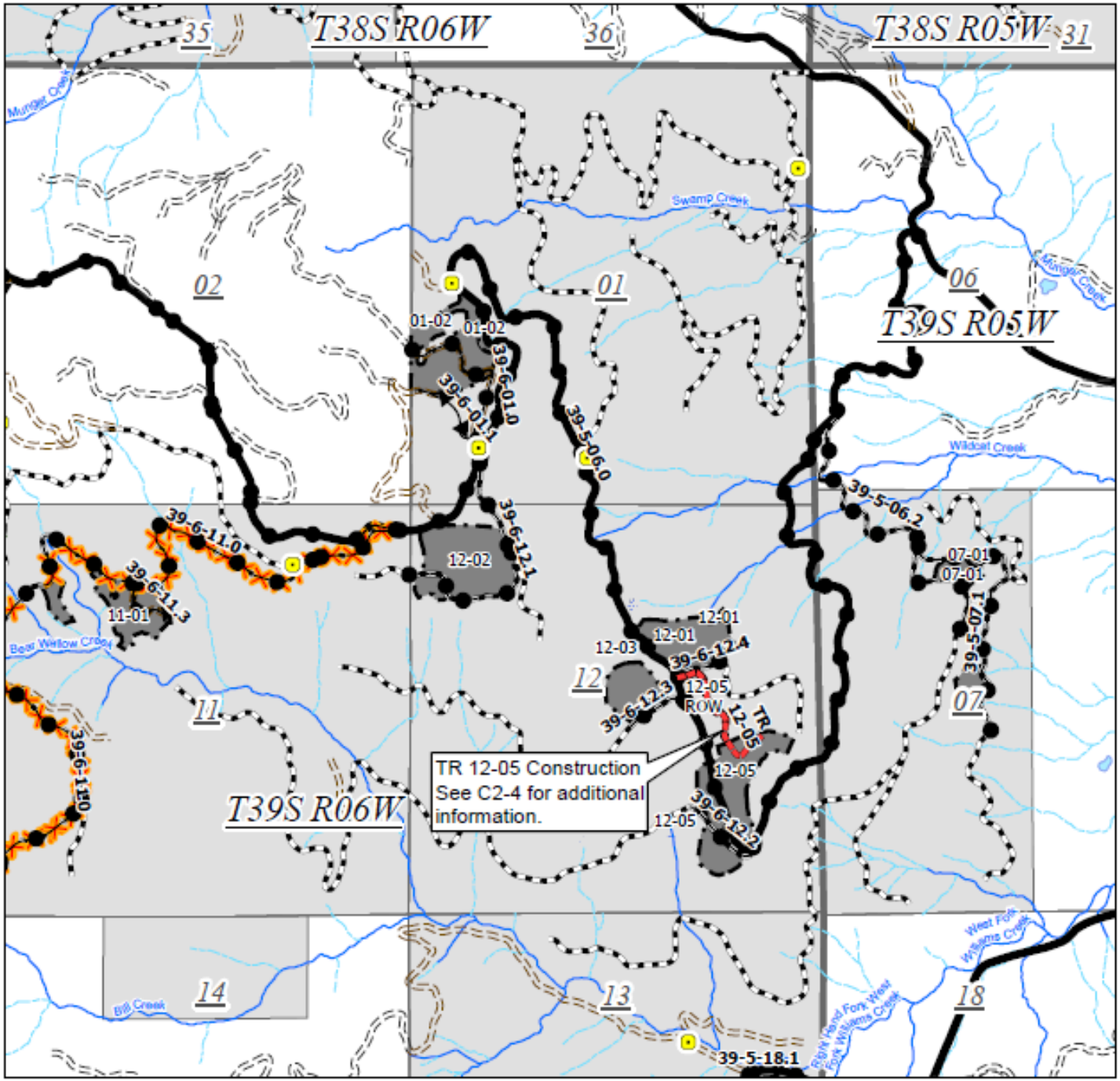


Exhibit C2-2

Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

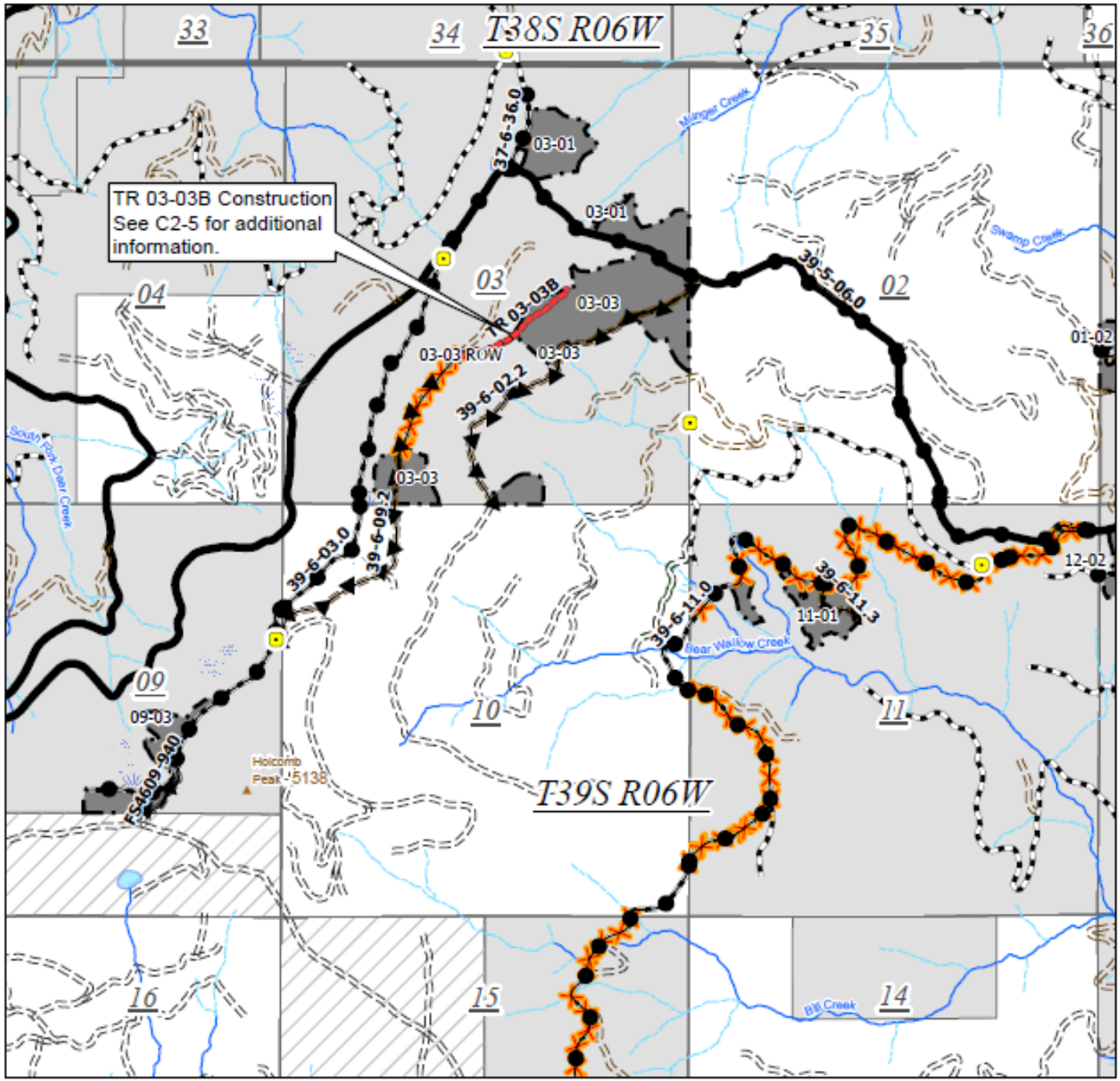
- Renovation
- Improvement
- Temporary Construction

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
CEDAR FLAT TIMBER SALE ROAD RENOVATION MAP LOWER CEDAR FLAT AREA	
DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 2 OF 14

Exhibit C2-3



Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

N
W E
S

0 787.51,575 3,150 4,725 6,300

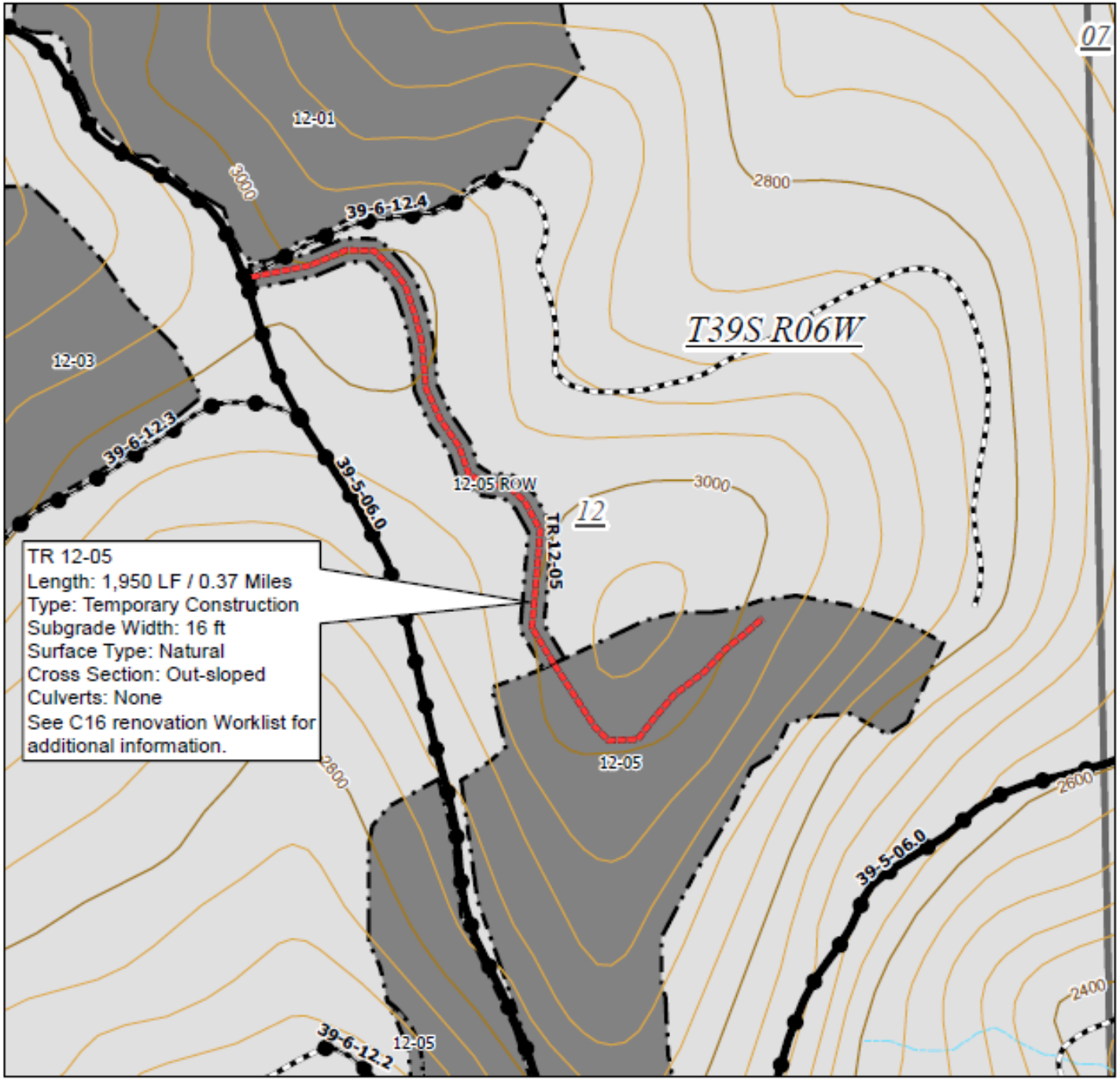
Feet

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

CEDAR FLAT TIMBER SALE
ROAD RENOVATION MAP
UPPER CEDAR FLAT AREA

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 3 OF 14

Exhibit C2-4



N
W E
S

0 130 260 520 780 1,040

Feet

Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

40 Foot Index Contours

- Index
- Intermediate

Roads by Surface Type

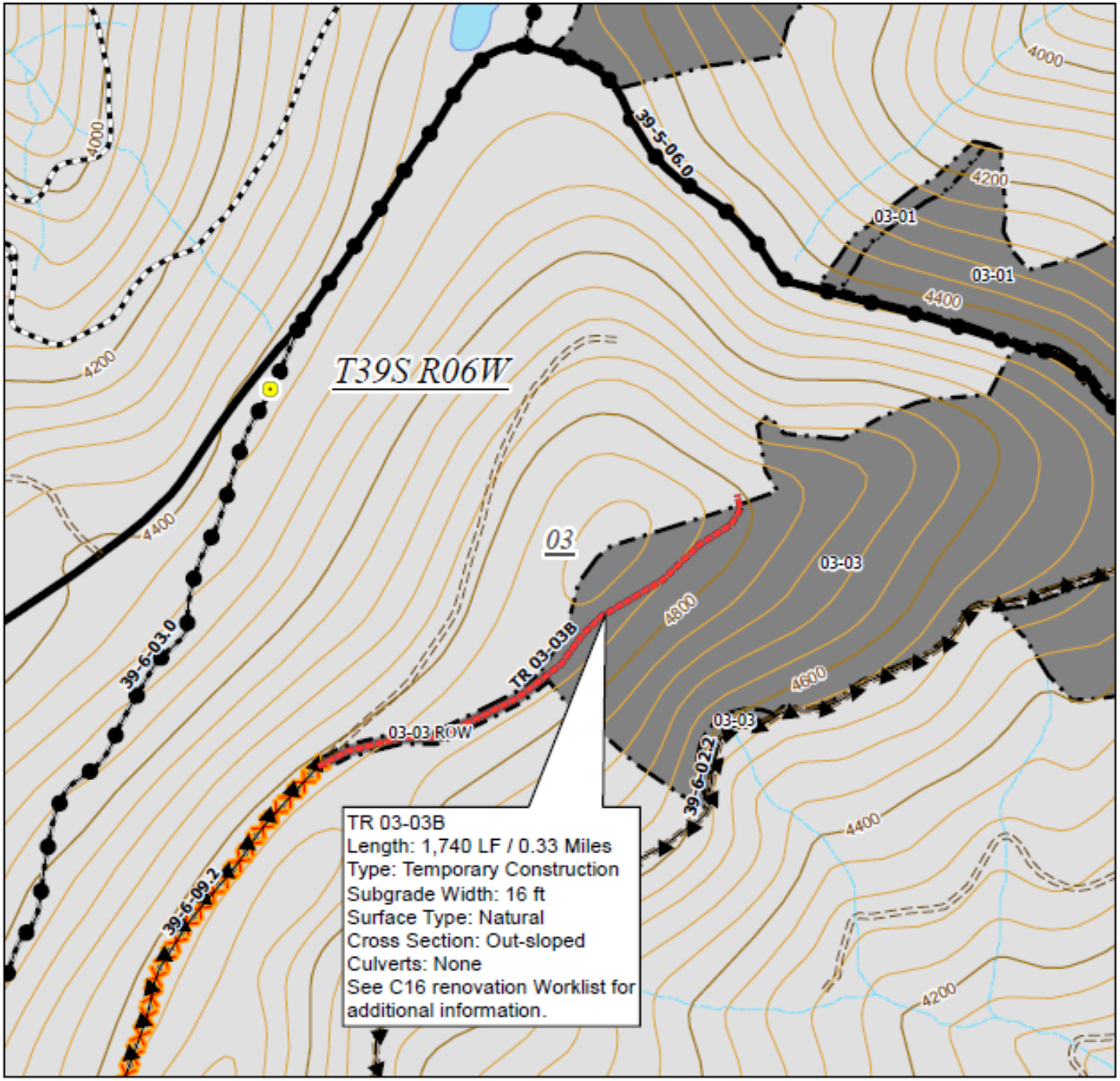
- BST
- AGG
- NAT
- Not Known
- GPFO Gates

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

CEDAR FLAT TIMBER SALE
TEMP CONSTRUCTION MAP
TR 12-05

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 4 OF 14

Exhibit C2-5



N
W E
S

0 205 410 820 1,230 1,640
Feet

Legend

Cedar Flat TS Units
- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership
- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work
- Renovation
- Improvement
- Temporary Construction

40 Foot Index Contours
- Index
- Intermediate

Roads by Surface Type
- BST
- AGG
- NAT
- Not Known
- GPFO Gates

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

CEDAR FLAT TIMBER SALE
TEMP CONSTRUCTION MAP
TR 03-03B

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 5 OF 14

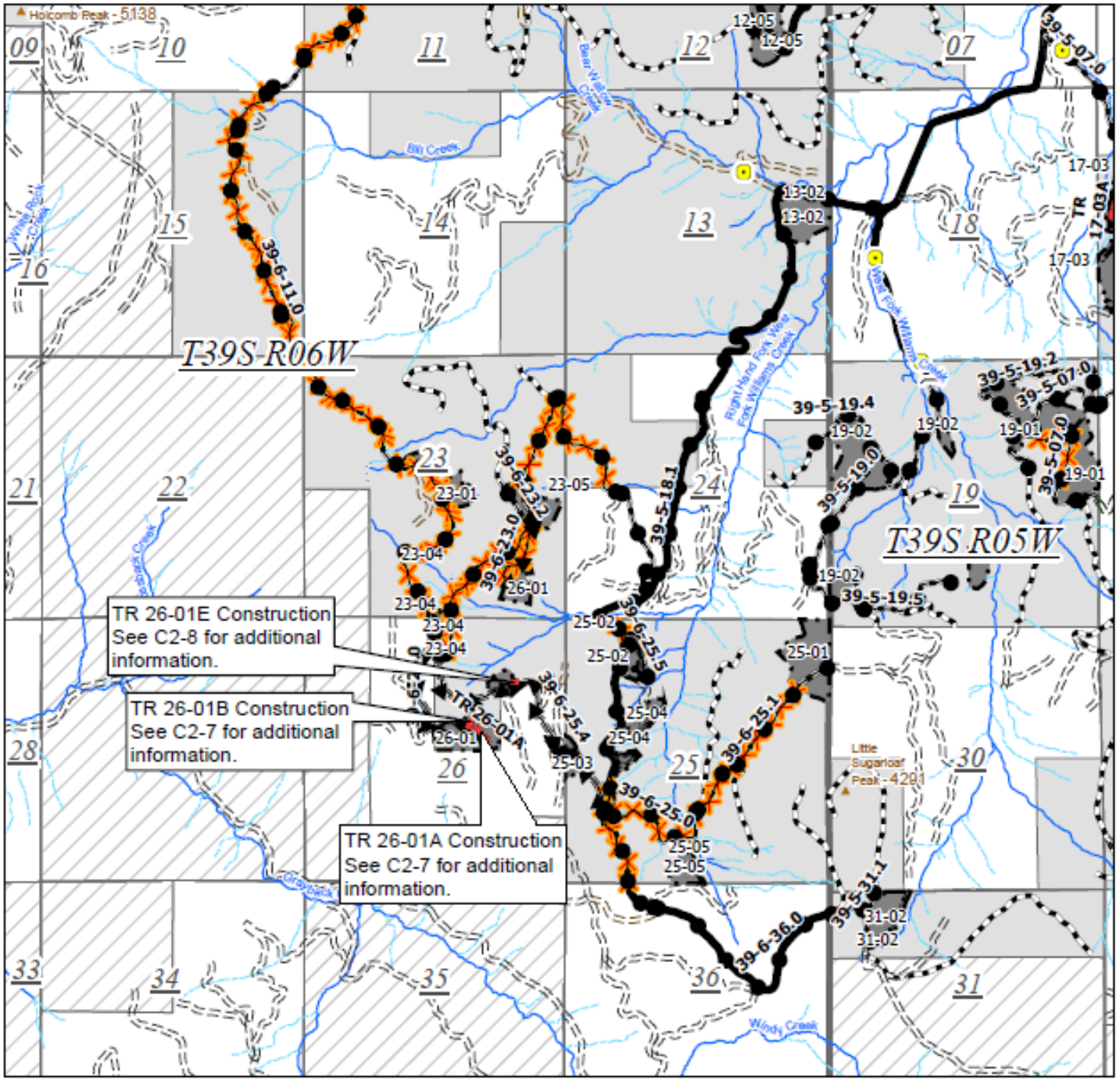


Exhibit C2-6

Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

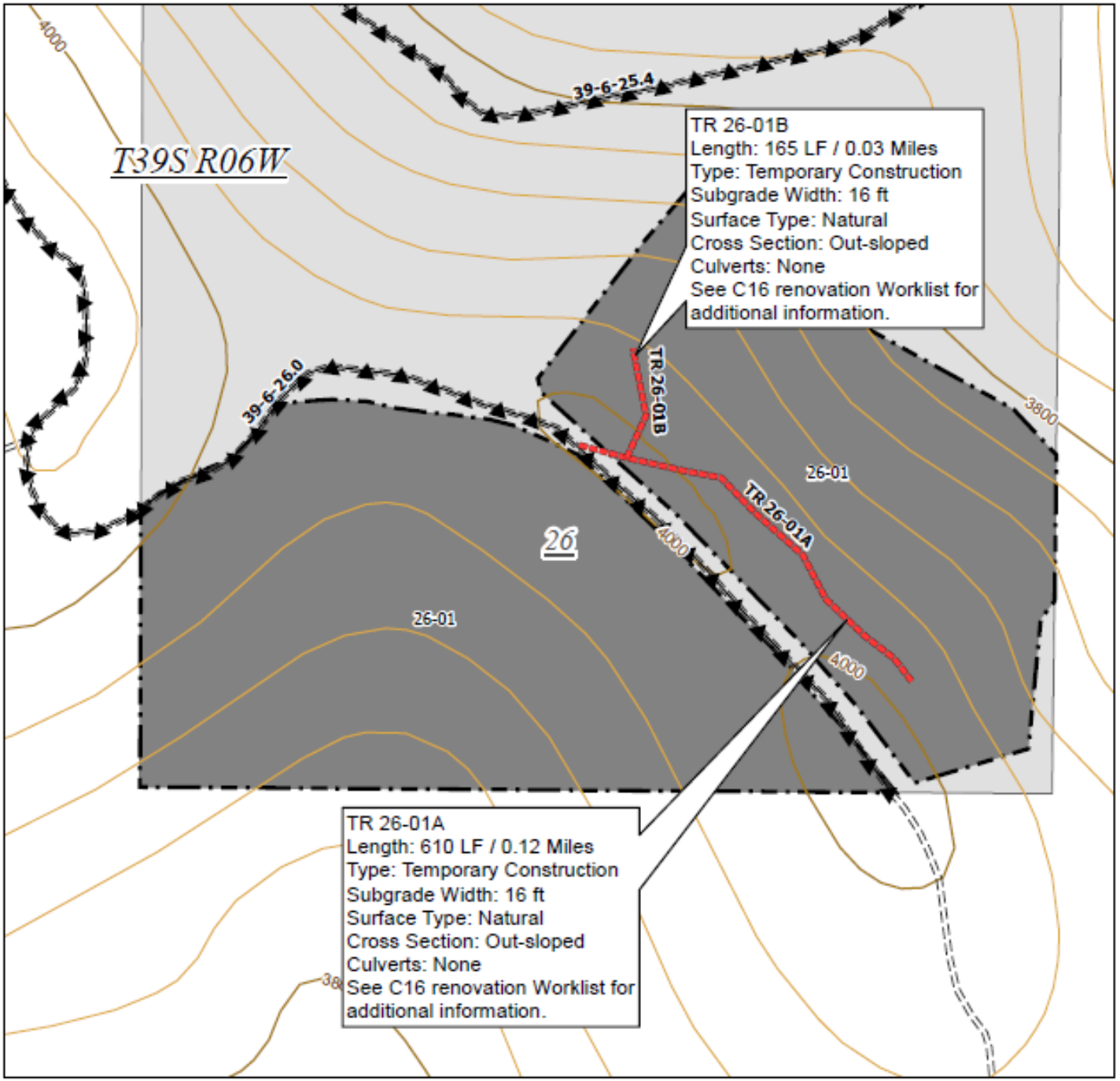
- Renovation
- Improvement
- Temporary Construction

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
CEDAR FLAT TIMBER SALE ROAD RENOVATION MAP LOW DIVIDE AREA	
DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 6 OF 14

Exhibit C2-7



Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

40 Foot Index Contours

- Index
- Intermediate

Roads by Surface Type

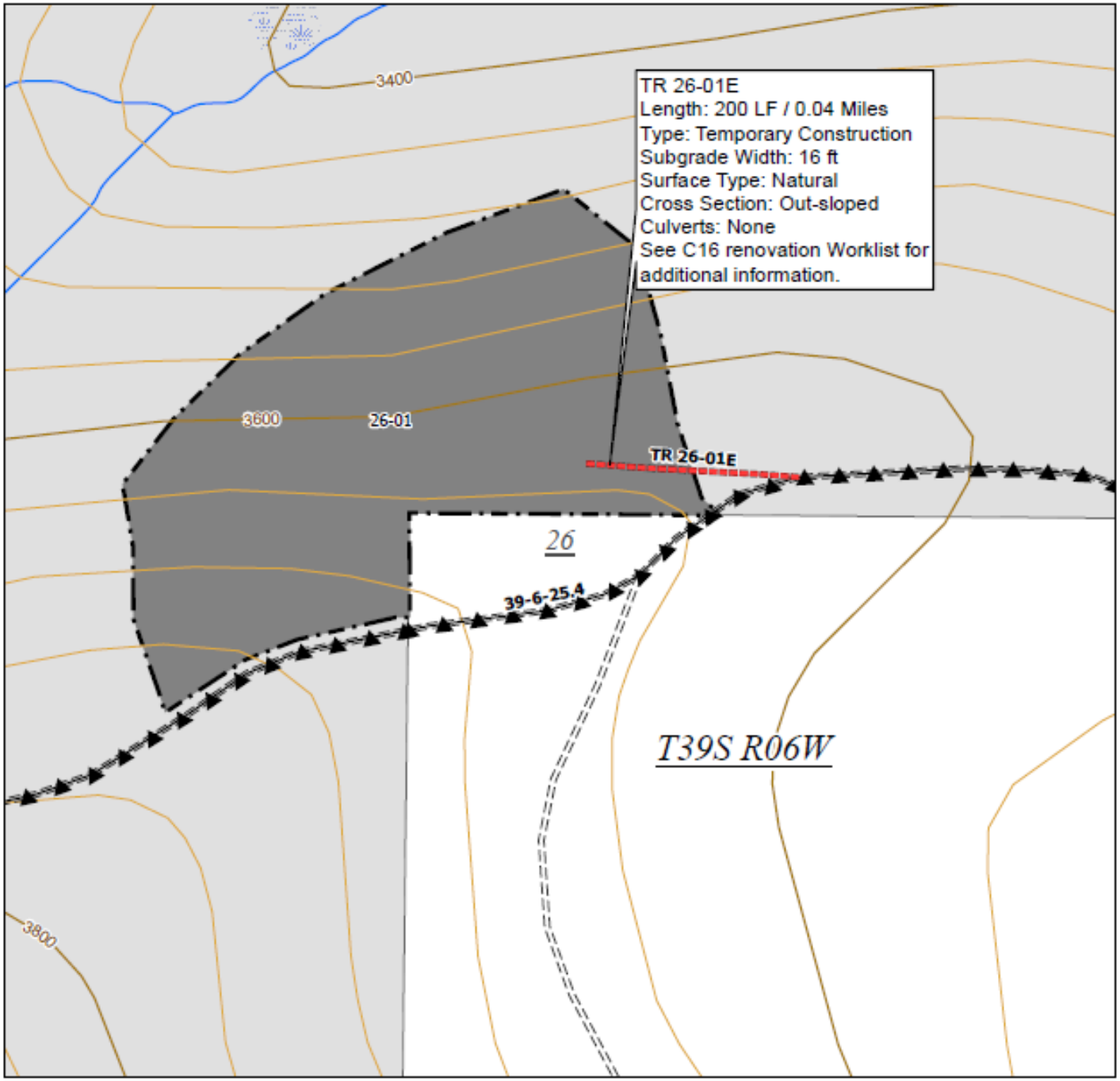
- BST
- AGG
- NAT
- Not Known
- GPFO Gates

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

CEDAR FLAT TIMBER SALE
TEMP CONSTRUCTION MAP
TR 26-01A & TR 26-01B

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 7 OF 14

Exhibit C2-8



Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

40 Foot Index Contours

- Index
- Intermediate

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

N W E S

0 55 110 220 330 440

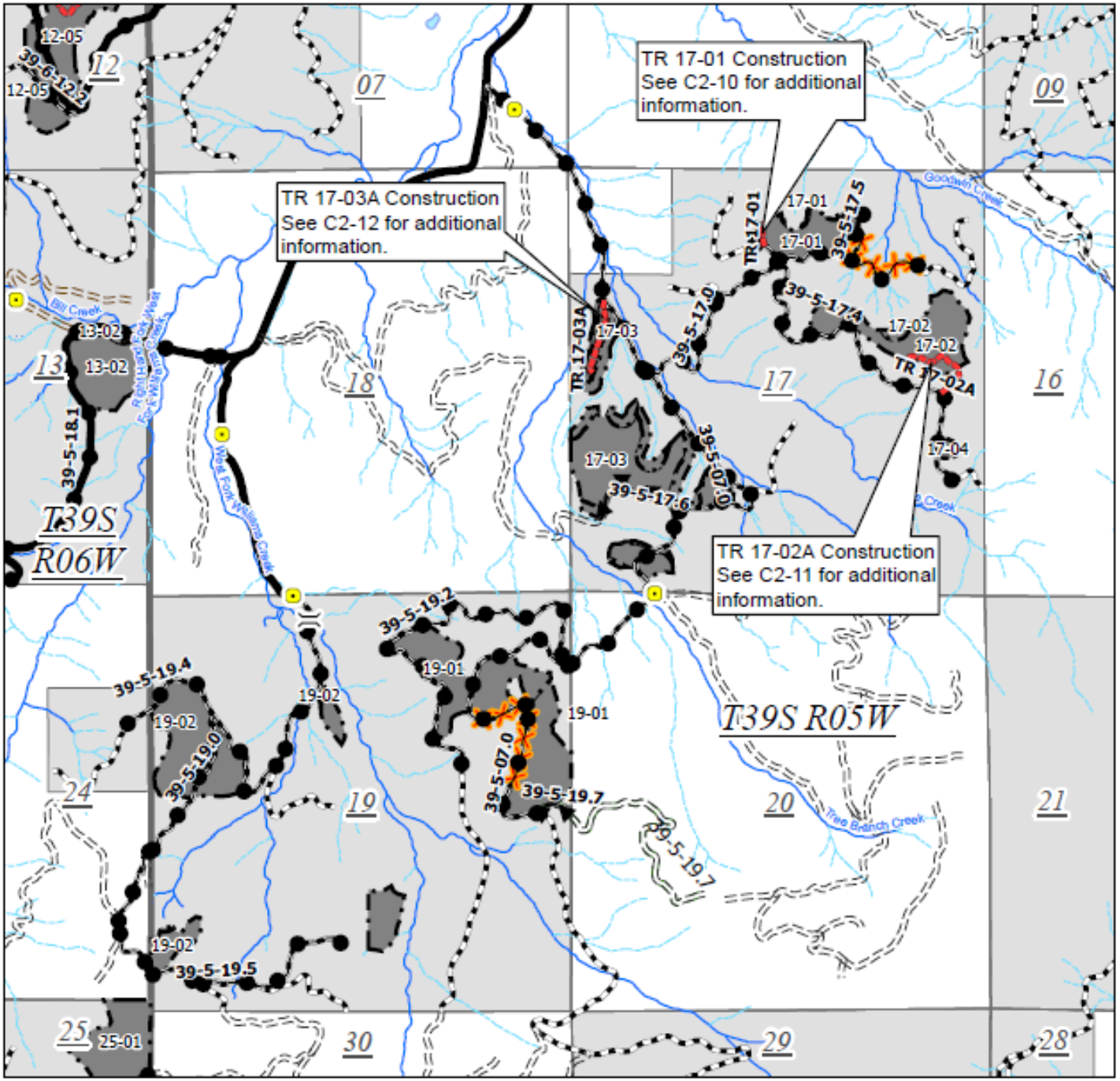
Feet

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

CEDAR FLAT TIMBER SALE
TEMP CONSTRUCTION MAP
TR 26-01E

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 8 OF 14

Exhibit C2-9



Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

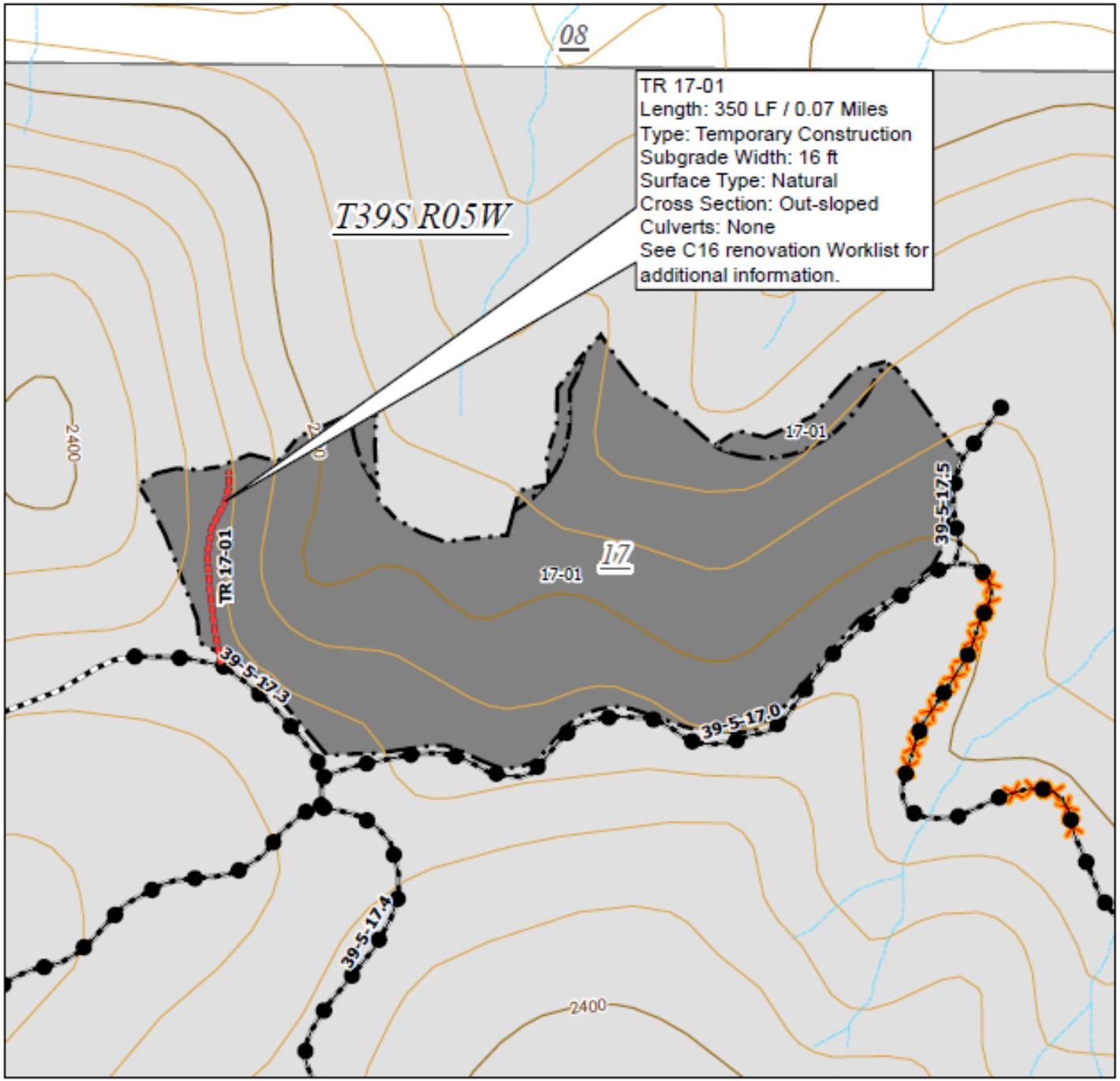
N W E S

0 787.51,575 3,150 4,725 6,300

Feet

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
CEDAR FLAT TIMBER SALE ROAD RENOVATION MAP LONE CREEK AREA	
DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 9 OF 14

Exhibit C2-10



Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

40 Foot Index Contours

- Index
- Intermediate

Roads by Surface Type

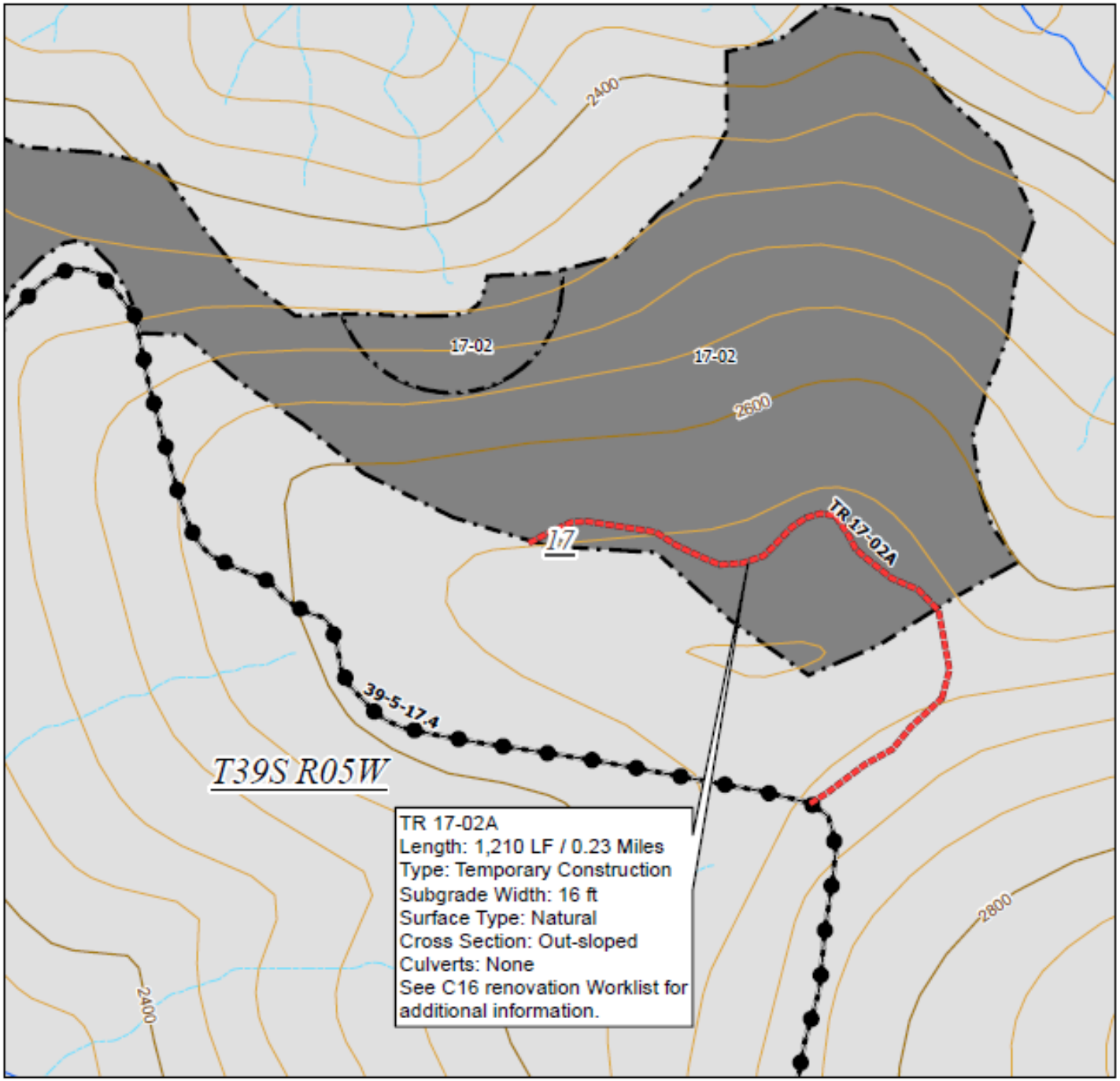
- BST
- AGG
- NAT
- Not Known
- GPFO Gates

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

CEDAR FLAT TIMBER SALE
TEMP CONSTRUCTION MAP
TR 17-01

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 10 OF 14

Exhibit C2-11



Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

40 Foot Index Contours

- Index
- Intermediate

Roads by Surface Type

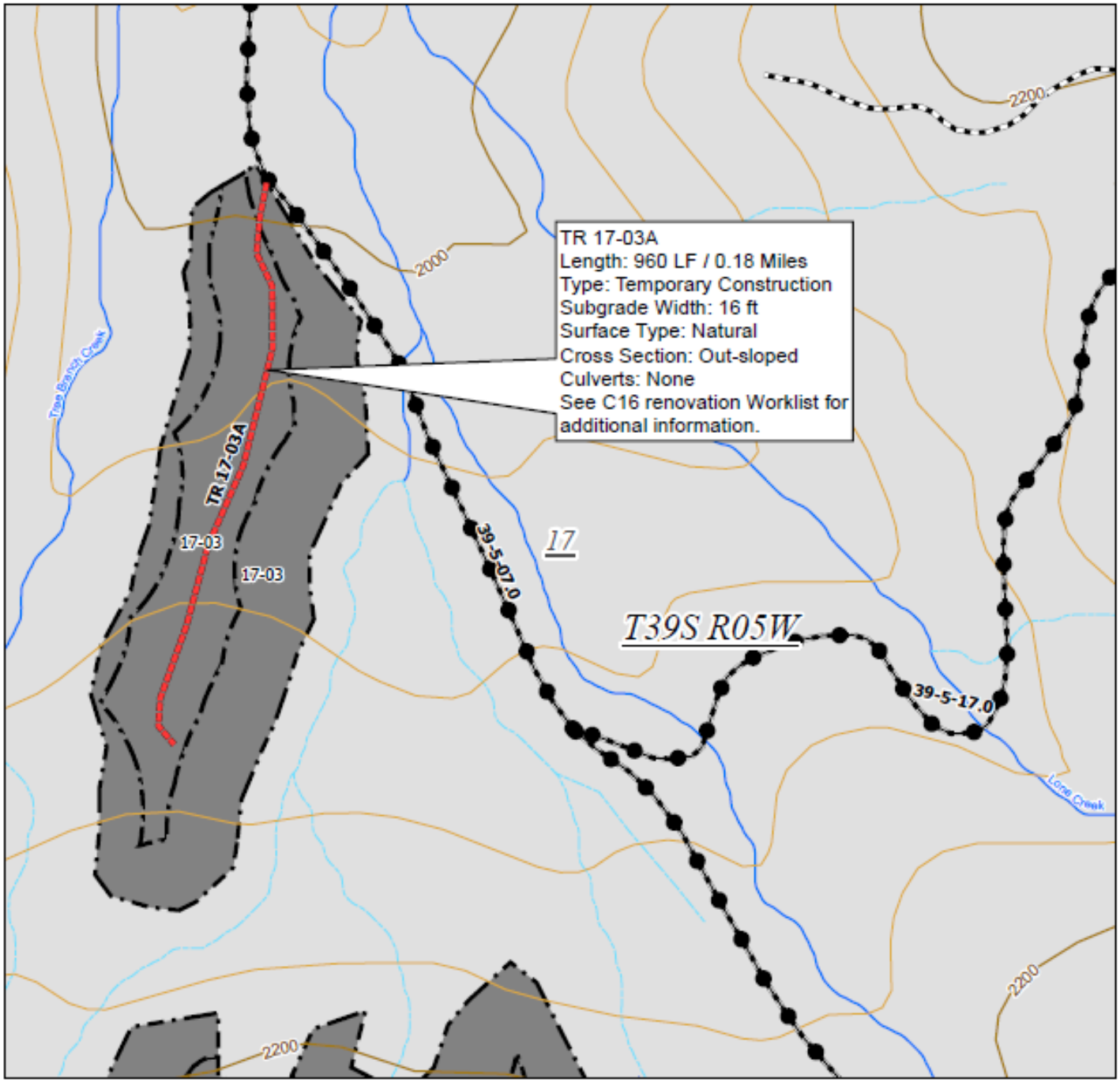
- BST
- AGG
- NAT
- Not Known
- GPFO Gates

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

CEDAR FLAT TIMBER SALE
TEMP CONSTRUCTION MAP
TR 17-02A

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 11 OF 14

Exhibit C2-12



Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

40 Foot Index Contours

- Index
- Intermediate

Roads by Surface Type

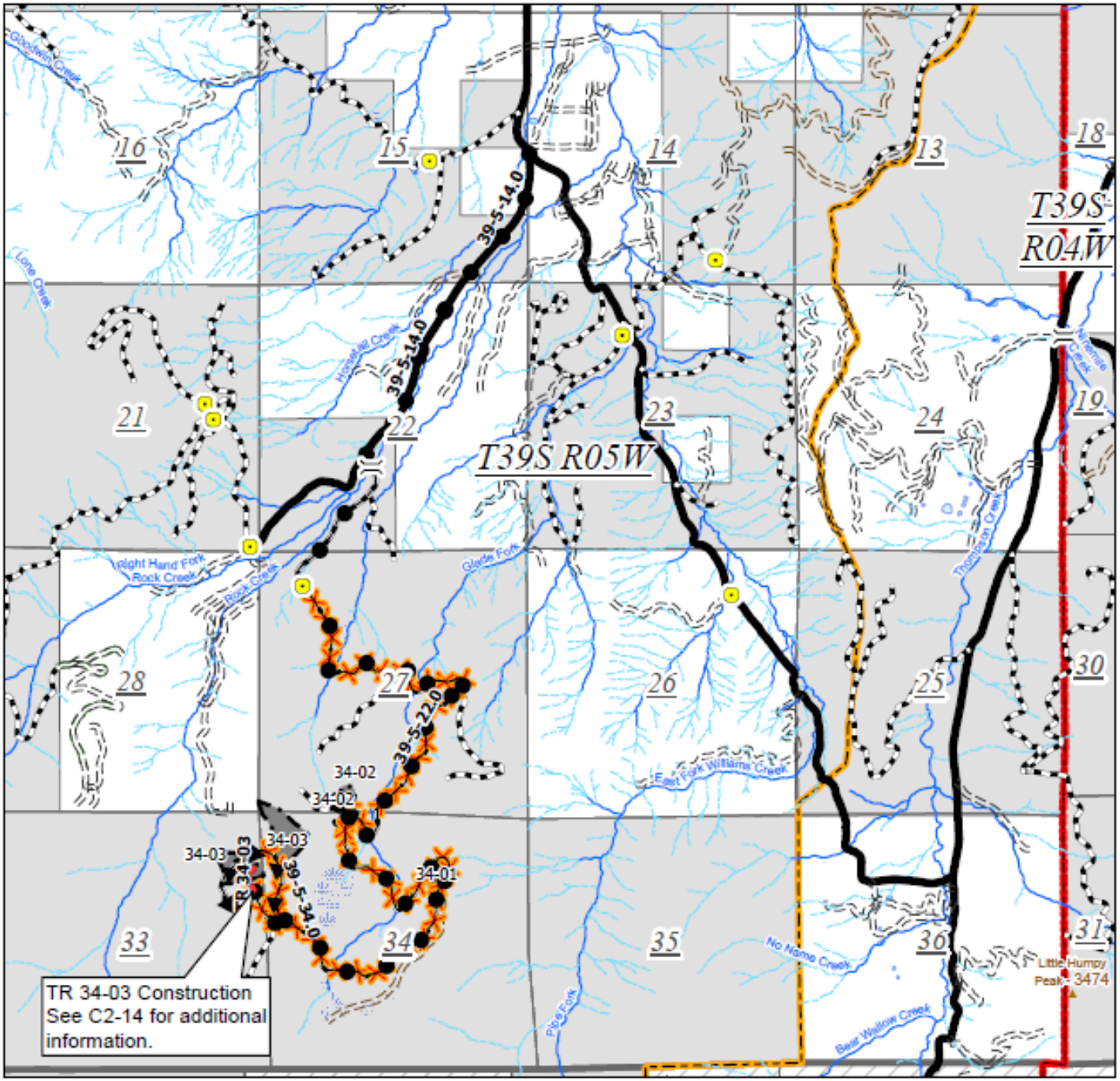
- BST
- AGG
- NAT
- Not Known
- GPFO Gates

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

CEDAR FLAT TIMBER SALE
TEMP CONSTRUCTION MAP
TR 17-03A

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 12 OF 14

Exhibit C2-13



Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- Field Office Boundary
- Counties
- GPFO Gates

N W E S

0 1,200 2,400 4,800 7,200 9,600

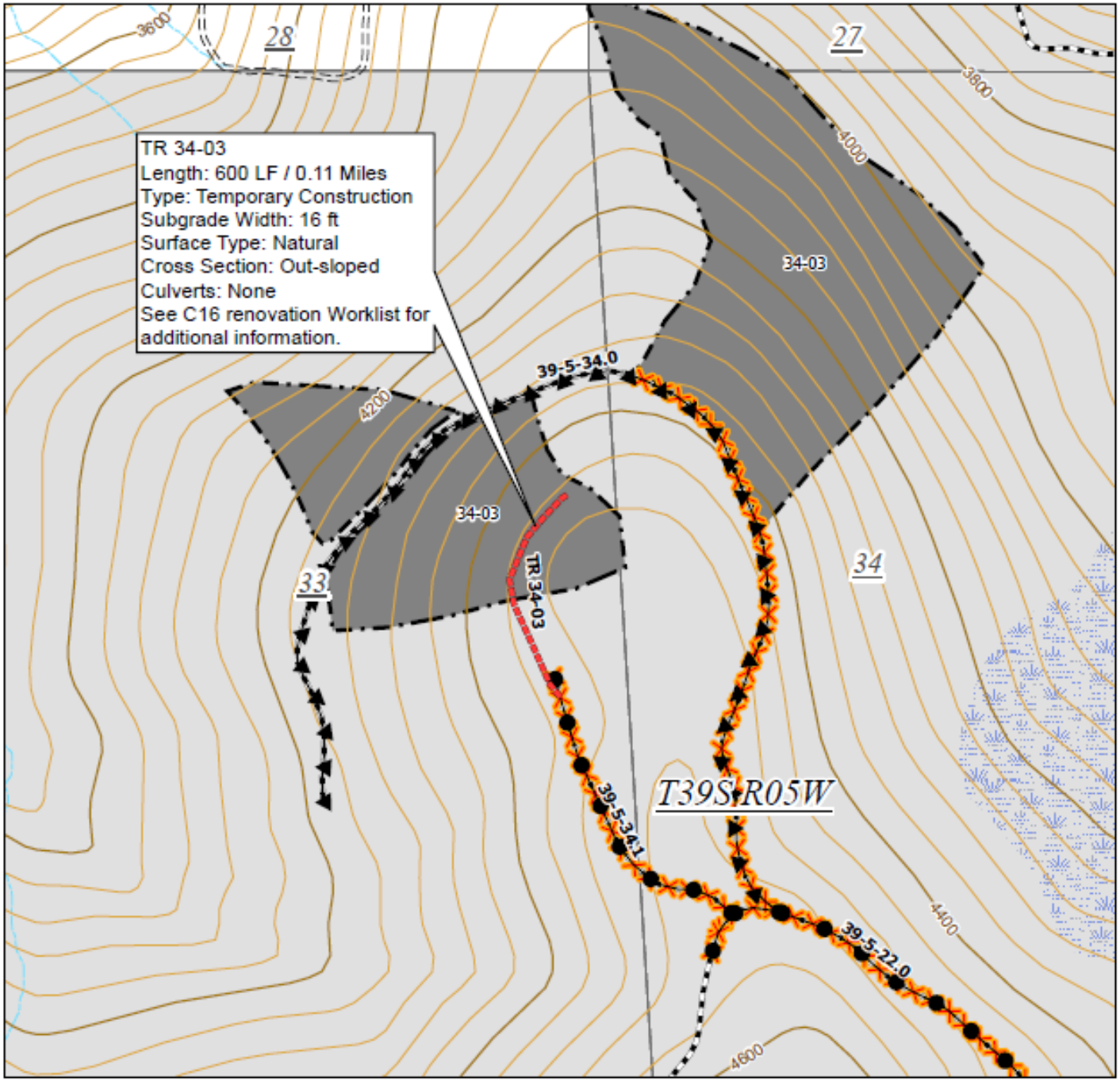
Feet

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

CEDAR FLAT TIMBER SALE
ROAD RENOVATION MAP
ROCK CREEK AREA

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 13 OF 14

Exhibit C2-14





0 155 310 620 930 1,240

Feet

Legend

Cedar Flat TS Units

- Cedar Flat TS Units
- Cedar_Flat_Roadside_Un

Land Ownership

- Bureau of Land Management
- Private Individual
- U.S. Forest Service

Cedar Flat TS Road Work

- Renovation
- Improvement
- Temporary Construction

40 Foot Index Contours

- Index
- Intermediate

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

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

CEDAR FLAT TIMBER SALE
TEMP CONSTRUCTION MAP
TR 34-03

DRAFTED BY: BLM	EXHIBIT C2
DATE: MAY 2026	SHEET: 14 OF 14

EXHIBIT C3-1

ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		DRAINAGE				RENOVATION & IMPROVEMENT						AGGREGATE			SLOPE PROTECTION	SOIL STABILIZATION	ROADSIDE BRUSHING AND CHIPPING	ENGINEERING (SLOPE STAKING)	MISCELLANEOUS					
							CORRUGATED METAL PIPE																						
					COMMON	ROCK (INCLUDES RIPPABLE ROCK)	24"	36"	24" FULL ROUND DOWN SPOUT	SPLASH PADS CLASS II RIPRAP	ROAD RENOVATION	ROAD IMPROVEMENT	SCARIFICATION AND/OR HEAVY BLADING	CLEAN CULVERTS & DITCHES ONLY - BUNCH & HAUL MATERIAL	SLIDE REMOVAL	ROADSIDE MANAGEMENT UNITS (RMUs)	BASE COURSE SCREENED ROCK (4"-minus)	SURF. COURSE CRUSHED ROCK (1-1/2"-minus)	BLM STOCKPILED AGGREGATE (3/4"-minus)					HYDROLOGIC POINTS OF CONCERN (HPOC)	CONSTRUCT WATER DIPS	CONSTRUCT TURNAROUND	SURFACE TURNOUTS	REMOVE EXIST. BARRICADE	REMOVE EXIST. WATER BAR
SPECIFICATION NO. →				200	300		400				500						900	1200	1200	1400	1800	2100	2300	8000					
UNITS →	MP	MP	MILE	ACRE	CY	CY	LF	LF	LF	EA	MILE	MILE	MILE	MILE	CY	MILE	CY	CY	CY	CY	ACRE	ACRE	STA	EA	EA	EA	EA	EA	EA
37-6-36.00 (J)	0.00	0.19	0.19								0.19		0.19									0.28							
39-5-06.00 (A-E)	0.00	6.96	6.96								6.96			6.96								6.75							
39-5-06.02 (A)	0.00	0.90	0.90				84	50	20	2	0.90		0.45					120				1.31		2					
39-5-07.00 (A-C2)	0.00	2.92	2.92	0.41			430		20	8	2.92		1.00			0.34			400		0.10	3.84		5					
39-5-07.01	0.00	0.71	0.71				156			4	0.71		0.35		170			160				1.03							
39-5-14.00 (A)	0.00	1.34	1.34								1.34			1.34								1.30							
39-5-17.00	0.00	1.08	1.08	0.18			180		20	3	1.08		0.50			0.15		1555			0.05	1.39		2			5		
39-5-17.03	0.00	0.07	0.07								0.07		0.07									0.10							
39-5-17.04	0.00	0.94	0.94								0.94		0.50		20					150		1.37							
39-5-17.05	0.00	0.05	0.05								0.05								69			0.07							
39-5-17.06	0.00	0.28	0.28	0.68								0.28	0.28		100		799	372		500	0.20	0.41					1		
39-5-18.01 (A-D)	0.00	3.80	3.80	0.47							3.80			3.80		0.39					0.15	3.68							
39-5-19.00 (A-C)	0.00	1.76	1.76				80			2	1.76		0.75						80			2.56		2					
39-5-19.02	0.00	1.12	1.12				76			2	1.12		0.25						80			1.63							
SEE PAGE 3 FOR PROJECT TOTALS																													

RENOVATION NOTES

1. ROADS LISTED FOR SURFACE RESHAPING SHALL CONSIST OF BLADING, WATERING, & ROLLING PER CONTRACT SPECIFICATIONS & DRAWINGS.

2. DITCH/CULVERT CLEANING SHALL CONSIST OF DITCH BLADING AND RESHAPING, CLEARING DEBRIS, VEGETATION, SEDIMENT, ROCK AND ALL OTHER MATERIAL HINDERING THE FLOW OF RUNOFF PER CONTRACT SPECIFICATIONS & DRAWINGS.

*FOR INFORMATIONAL USE ONLY.
QUANTITIES SHOWN ARE NOT PAY ITEMS.

AGGREGATE GRADATION REQUIREMENTS

ITEM 900

SIZE	GRADATION
4 inch	A
3 inch	B
2 inch	C
1 1/2 inch	D

ITEM 1000

SIZE	GRADATION
3 inch	A,C,F
2 inch	B,D,G,H

ITEM 1200

SIZE	GRADATION
1 1/2 inch	C,C-1
1 inch	D,D-1
3/4 inch	E,E-1

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

CEDAR FLAT TIMBER SALE ESTIMATE OF QUANTITIES*

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 4

EXHIBIT C3-2

ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		DRAINAGE				RENOVATION & IMPROVEMENT						AGGREGATE			SLOPE PROTECTION	SOIL STABILIZATION	ROADSIDE BRUSHING AND CHIPPING	ENGINEERING (SLOPE STAKING)	MISCELLANEOUS					
					COMMON	ROCK (INCLUDES RIPPABLE ROCK)	CORRUGATED METAL PIPE 24"	CORRUGATED METAL PIPE 36"	24" FULL ROUND DOWNSPOUT	SPLASH PADS CLASS II RIPRAP	ROAD RENOVATION	ROAD IMPROVEMENT	SCARIFICATION AND/OR HEAVY BLADING	CLEAN CULVERTS & DITCHES ONLY - BUNCH & HAUL MATERIAL	SLIDE REMOVAL	ROADSIDE MANAGEMENT UNITS (RMUs)	BASE COURSE SCREENED ROCK (4"-minus)	SURF. COURSE CRUSHED ROCK (1-1/2"-minus)	BLM STOCKPILED AGGREGATE (3/4"-minus)					HYDROLOGIC POINTS OF CONCERN (HPOCs)	CONSTRUCT WATER DIPS	CONSTRUCT TURNAROUND	SURFACE TURNOUTS	REMOVE EXIST. BARRICADE	REMOVE EXIST. WATER BAR
SPECIFICATION NO. →				200	300		400				500						900	1200	1200	1400	1800	2100	2300	8000					
UNITS →	MP	MP	MILE	ACRE	CY	CY	LF	LF	LF	EA	MILE	MILE	MILE	MILE	CY	MILE	CY	CY	CY	CY	ACRE	ACRE	STA	EA	EA	EA	EA	EA	EA
39-5-19.04	0.00	0.31	0.31								0.31		0.20									0.45							
39-5-19.05	0.00	0.16	0.16								0.16		0.10									0.23		1					
39-5-19.06	0.00	0.27	0.27								0.27		0.10									0.65							
39-5-19.07	0.00	0.10	0.10								0.10											0.15						1	2
39-5-22.00 (A-B)	0.00	4.42	4.42	7.08							4.42		1.50			3.09					1.80	2.18		6					
39-5-27.02	0.00	0.03	0.03								0.03											0.04							
39-5-31.01	0.00	0.07	0.07								0.07											0.10							
39-5-34.00	0.00	0.59	0.59	1.43								0.59	0.59			0.30					0.40	1.07						1	
39-5-34.01	0.00	0.15	0.15	0.55							0.15					0.15					0.15							1	
39-6-01.00	0.00	0.49	0.49								0.49		0.25									0.71							
39-6-01.01	0.00	0.26	0.26	0.63								0.26	0.26								0.15	0.38						1	
39-6-02.02	0.00	0.89	0.89								0.89		0.89									1.29							
39-6-03.00	0.00	1.74	1.74								1.74		0.50									2.53							
39-6-09.02	0.00	0.95	0.95	0.63							0.95		0.25			0.27					0.15	1.00							
SEE PAGE 3 FOR PROJECT TOTALS																													

RENOVATION NOTES

1. ROADS LISTED FOR SURFACE RESHAPING SHALL CONSIST OF BLADING, WATERING, & ROLLING PER CONTRACT SPECIFICATIONS & DRAWINGS.

2. DITCH/CULVERT CLEANING SHALL CONSIST OF DITCH BLADING AND RESHAPING, CLEARING DEBRIS, VEGETATION, SEDIMENT, ROCK AND ALL OTHER MATERIAL HINDERING THE FLOW OF RUNOFF PER CONTRACT SPECIFICATIONS & DRAWINGS.

*FOR INFORMATIONAL USE ONLY.
QUANTITIES SHOWN ARE NOT PAY ITEMS.

AGGREGATE GRADATION REQUIREMENTS

ITEM 900

SIZE	GRADATION
4 inch	A
3 inch	B
2 inch	C
1 1/2 inch	D

ITEM 1000

SIZE	GRADATION
3 inch	A,C,F
2 inch	B,D,G,H

ITEM 1200

SIZE	GRADATION
1 1/2 inch	C,C-1
1 inch	D,D-1
3/4 inch	E,E-1

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

CEDAR FLAT
TIMBER SALE
ESTIMATE OF QUANTITIES*

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 2 OF 4

EXHIBIT C3-3

ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		DRAINAGE				RENOVATION & IMPROVEMENT						AGGREGATE			SLOPE PROTECTION	SOIL STABILIZATION	ROADSIDE BRUSHING AND CHIPPING	ENGINEERING (SLOPE STAKING)	MISCELLANEOUS					
							CORRUGATED METAL PIPE																						
					COMMON		24"	36"	24" FULL ROUND DOWNSPOUT	SPLASH PADS CLASS II RIPRAP	ROAD RENOVATION	ROAD IMPROVEMENT	SCARIFICATION AND/OR HEAVY BLADING	CLEAN CULVERTS & DITCHES ONLY - BUNCH & HAUL MATERIAL	SLIDE REMOVAL	ROADSIDE MANAGEMENT UNITS (RMUs)	BASE COURSE SCREENED ROCK (4"-minus)	SURF. COURSE CRUSHED ROCK (1-1/2"-minus)	BLM STOCKPILED AGGREGATE (3/4"-minus)					HYDROLOGIC POINTS OF CONCERN (HPOCs)	CONSTRUCT WATER DIPS	CONSTRUCT TURNAROUND	SURFACE TURNOUTS	REMOVE EXIST. BARRICADE	REMOVE EXIST. WATER BAR
SPECIFICATION NO. →				200	300		400				500						900	1200	1200	1400	1800	2100	2300	8000					
UNITS →	MP	MP	MILE	ACRE	CY	CY	LF	LF	LF	EA	MILE	MILE	MILE	MILE	CY	MILE	CY	CY	CY	CY	ACRE	ACRE	STA	EA	EA	EA	EA	EA	EA
39-6-11.00 (A-D)	0.00	7.49	7.49	9.96			314		70	4	7.49		1.00			5.97		320			2.50	4.91		6					
39-6-11.03	0.00	0.16	0.16	0.39								0.16	0.16				517	268			0.10	0.23					1		
39-6-12.01	0.00	0.66	0.66	0.60							0.66		0.20								0.15	0.75							
39-6-12.02	0.00	0.22	0.22	0.53							0.22		0.22					316			0.15	0.20					1		
39-6-12.03	0.00	0.16	0.16								0.16		0.16									0.23							
39-6-12.04	0.00	0.13	0.13								0.13		0.13					180				0.19							
39-6-23.00	0.00	0.31	0.31	0.40								0.31	0.31			0.23	907	424			0.10	0.21					2	1	
39-6-23.02	0.00	0.23	0.23								0.23		0.23					330				0.33					1		
39-6-25.00 (A)	0.00	0.61	0.61	0.90							0.61		0.30			0.40		1320			0.25	0.35		1			3		
39-6-25.01	0.00	0.76	0.76	1.45			130		20	2	0.76		0.50			0.60		1631			0.40	0.24					3		
39-6-25.04 (A-E)	0.00	1.13	1.13								1.13		0.50									1.64						1	11
39-6-25.05	0.00	0.26	0.26	0.63								0.26	0.10				492	231			0.15	0.10			1		2		
39-6-26.00 (A-B)	0.00	0.71	0.71								0.71		0.50									1.03						1	4
39-6-36.00 (A-B)	0.00	1.27	1.27								1.27		0.50	0.53								1.23							
FS 4609-940	0.00	0.18	0.18								0.18		0.18									0.26							
SEE PAGE 3 FOR PROJECT TOTALS			46.83	26.92			1450	50	150	27	44.97	1.86	13.97	12.63	290	11.89	2715	7227	629	650	6.95	48.40		25	1		19	7	17

RENOVATION NOTES

1. ROADS LISTED FOR SURFACE RESHAPING SHALL CONSIST OF BLADING, WATERING, & ROLLING PER CONTRACT SPECIFICATIONS & DRAWINGS.

2. DITCH/CULVERT CLEANING SHALL CONSIST OF DITCH BLADING AND RESHAPING, CLEARING DEBRIS, VEGETATION, SEDIMENT, ROCK AND ALL OTHER MATERIAL HINDERING THE FLOW OF RUNOFF PER CONTRACT SPECIFICATIONS & DRAWINGS.

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AGGREGATE GRADATION REQUIREMENTS

ITEM 900

SIZE	GRADATION
4 inch	A
3 inch	B
2 inch	C
1 1/2 inch	D

ITEM 1000

SIZE	GRADATION
3 inch	A,C,F
2 inch	B,D,G,H

ITEM 1200

SIZE	GRADATION
1 1/2 inch	C,C-1
1 inch	D,D-1
3/4 inch	E,E-1

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

CEDAR FLAT
TIMBER SALE
ESTIMATE OF QUANTITIES*

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 3 OF 4

EXHIBIT C3-4

TEMP ROUTE NUMBER	FROM	TO	LENGTH	CLEARING & GRUBBING			EXCAVATION		DRAINAGE SIZE			IMPROVEMENT			AGGREGATE						MISCELLANEOUS							
				TOTAL ACRES	CLEARING CLASS	CLEARING WIDTH (AVG)	COMMON	ROCK (INCLUDES RIPPABLE ROCK)	18"	24"	36"	BLADING	DITCH AND/OR CULVERT CLEANING	HEAVY ROAD REPAIR	BASE COURSE SCREENED ROCK (4"-minus)	SURF. COURSE CRUSHED ROCK (1-1/2"-minus)	SLOPE PROTECTION	SOIL STABILIZATION	ROADSIDE BRUSHING AND/OR CHIPPING	ENGINEERING	INSTALL BMPs @ HYDRO POINTS OF CONCERN	CONSTRUCT WATER DIPS	RECONSTRUCT WATER DIPS	CONSTRUCT TURNAROUND	RECONSTRUCT TURNAROUND	REMOVE EXIST. BERM	REMOVE EXIST. WATER-BAR	MEGA GATE REPLACEMENT
SPECIFICATION NO. →				200			300		400			500			900	1200	1400	1800	2100	2300	8000							
UNITS →	STA	STA	MILE	ACRE	L/M/H	FEET	CY	CY	LF	LF	LF	MILE	MILE	MILE	CY	CY	CY	ACRE	ACRE	STA	EA	EA	EA	EA	EA	EA	EA	EA
TR 03-03B	0+00	17+40	0.33	1.60	M	40	1130											0.40						1				
TR 12-05	0+00	19+50	0.37	2.24	M	50	1560	390										0.60						1				
TR 17-01	0+00	3+50	0.07	0.40	M	50	500											0.10										
TR 17-02A	0+00	12+10	0.23	1.30	M	45	1000	100										0.35						2				
TR 17-03A	0+00	9+60	0.18	0.88	M	40	385											0.20						1				
TR 26-01A	0+00	6+10	0.12	0.56	M	40	470	60										0.20										
TR 26-01B	0+00	1+65	0.03	0.15	M	40	30	30										0.05										
TR 26-01E	0+00	2+00	0.04	0.18	M	40	80											0.05										
TR 34-03	0+00	6+00	0.11	0.55	M	40	420	180										0.15										
TEMP ROUTE TOTALS			1.48	7.86			5575	760										2.10						5				

CONSTRUCTION NOTES

1. ALL TEMP ROUTE SUBGRADE OR RUNNING SURFACE WIDTHS SHALL NOT EXCEED 15 FEET.

2. TURNOUTS ARE AUTHORIZED BUT SHALL BE CONSTRUCTED AT THE AUTHORIZED OFFICERS DISCRETION AND KEPT TO A MINIMUM QUANTITY TO AVOID UNNECESSARY DISTURBANCE.

3. STA's = 100 LINEAR FEET.

4. TURNAROUND AREAS SHALL NOT EXCEED 0.25 ACRES OR 60 FOOT RADIUS.

*FOR INFORMATIONAL USE ONLY.
QUANTITIES SHOWN ARE NOT PAY ITEMS.

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

CEDAR FLAT
TIMBER SALE
ESTIMATE OF QUANTITIES*

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 4 OF 4

EXHIBIT C4-1

ROAD NUMBER	FROM (MP or STA)	TO (MP or STA)	LENGTH (MILES)	TYPICAL SECTION TYPE	ALIGNMENT	ROAD WIDTH [1-3]		GRADIENT		CLEARING WIDTH				SURFACING [4]								REMARKS
										BEYOND		EXISTING ROAD(S)		BASE COURSE				SURFACE COURSE				
					MAXIMUM DEGREE OF CURVE	SUBGRADE	DITCH	MAXIMUM FAVORABLE	MAXIMUM ADVERSE	TOP CUT	TOE FILL	L	R	MINIMUM WIDTH	COMPACTION DEPTH	TYPE [2]	GRADATION	MINIMUM WIDTH	COMPACTION DEPTH	TYPE [2]	GRADATION	
EXISTING ROAD SURFACING																						
39-5-17.00	0.00	0.54	0.54	6	-	15'	3'	-	-									15'	4"	D	C-1	1 1/2"-minus
	0.54	1.08	0.54	4	-	15'	0'	-	-									15'	4"	D	C-1	1 1/2"-minus
39-5-17.05	0.00	0.05	0.05	4	-	15'	0'	-	-									15'	4"	D	C-1	1 1/2"-minus
39-5-17.06	0.00	0.28	0.28	4	-	15'	0'	-	-					15'	8"	C	A	14'	4"	D	C-1	4" minus and 1 1/2"-minus
39-6-11.03	0.00	0.16	0.16	4	-	15'	0'	-	-					15'	8"	C	A	14'	4"	D	C-1	4" minus and 1 1/2"-minus
39-6-12.02	0.00	0.22	0.22	6	-	15'	3'	-	-									15'	4"	D	C-1	1 1/2"-minus
39-6-12.04	0.00	0.13	0.13	6	-	15'	3'	-	-									15'	4"	D	C-1	1 1/2"-minus
39-6-23.00	0.00	0.31	0.31	4	-	15'	0'	-	-					15'	8"	C	A	14'	4"	D	C-1	4" minus and 1 1/2"-minus
39-6-23.02	0.00	0.23	0.23	6	-	15'	3'	-	-									15'	4"	D	C-1	1 1/2"-minus
39-6-25.00	0.00	0.61	0.61	6	-	15'	3'	-	-									15'	6"	D	C-1	1 1/2"-minus
39-6-25.01	0.00	0.76	0.76	6	-	15'	3'	-	-									15'	6"	D	C-1	1 1/2"-minus
39-6-25.05	0.00	0.16	0.16	4	-	15'	0'	-	-					15'	8"	C	A	14'	4"	D	C-1	4" minus and 1 1/2"-minus

NOTES

1. EXTRA SUB-GRADE WIDTHS
   TO EACH FILL SHOULDER, ADD 1 FOOT FOR FILLS OF 1-6 FEET AND 2 FEET FOR FILLS OVER 6 FEET. 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.
   - 36-48 ADD 3 FT.
   - 49-64 ADD 4 FT.
   - 65-96 ADD 5 FT.

MATERIALS	CUT SLOPE	FILL SLOPE
COMMON	1/2 : 1	1 1/2 : 1
SOFT ROCK & SHALE	1/2 : 1	1 1/2 : 1
SOLID ROCK	1/2 : 1	angle of repose

2. SURFACING TYPES
   - A. PIT RUN ROCK
   - B. GRID ROLLED ROCK MATERIAL
   - C. SCREENED ROCK MATERIAL
   - D. CRUSHED ROCK MATERIAL

3. TURNOUTS
   - A. WIDTH 10 FT. IN ADDITION TO SUB-GRADE WIDTH, OR AS SHOWN ON THE PLANS.
   - B. LOCATED APPROXIMATELY, AS SHOWN ON THE ROAD PLANS.
   - C. INVISIBLE AND NOT MORE THAN 750 FT. APART.

4. SURFACING
   TURNOUTS, CURVE WIDENING, AND ROAD APPROACH APRONS SHALL BE SURFACED.

5. CLEARING WIDTH
   SEE SUBSECTION 200

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

CEDAR FLAT TIMBER SALE SPECIFICATION SHEET

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 3

EXHIBIT C4-2

ROAD NUMBER	FROM (STA)	TO (STA)	LENGTH (MILES)	TYPICAL STATION TYPE	ALIGNMENT	ROAD WIDTH [1-3]		GRADIENT		CLEARING WIDTH				SURFACING [4]								REMARKS
										BEYOND		EXISTING ROAD(S)		BASE COURSE				SURFACE COURSE				
					MAXIMUM DEGREE OF CURVE	SUBGRADE	DITCH	MAXIMUM FAVORABLE	MAXIMUM ADVERSE	TOP CUT	TOE FILL	L	R	MINIMUM WIDTH	COMPACTION DEPTH	TYPE [2]	GRADING	MINIMUM WIDTH	COMPACTION DEPTH	TYPE [2]	GRADING	
TR 03-03B	0+00	17+40	0.33	3		15'	-	12%	5%	5'	5'											
TR 12-05	0+00	19+50	0.37	3		15'	-	12%	12%	5'	5'											
TR 17-01	0+00	3+50	0.07	3		15'	-	10%	-	5'	5'											
TR 17-02A	0+00	12+10	0.23	3		15'	-	15%	5%	5'	5'											
TR 17-03A	0+00	9+60	0.18	3		15'	-	15%	-	5'	5'											
TR 26-01A	0+00	6+10	0.12	3		15'	-	5%	5%	5'	5'											
TR 26-01B	0+00	1+65	0.03	3		15'	-	-	5%	5'	5'											
TR 26-01E	0+00	2+00	0.04	3		15'	-	7%	-	5'	5'											
TR 34-03	0+00	6+00	0.11	3		15'	-	-	7%	5'	5'											

NOTES

1. EXTRA SUB-GRADE WIDTHS
   TO EACH FILL SHOULDER, ADD 1 FOOT FOR FILLS OF 1-6 FEET AND 2 FEET FOR FILLS OVER 6 FEET. 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.
   - 36-48 ADD 3 FT.
   - 49-64 ADD 4 FT.
   - 65-96 ADD 5 FT.

MATERIALS	CUT SLOPE	FILL SLOPE
COMMON	1/2 : 1	1 1/2 : 1
SOFT ROCK & SHALE	1/2 : 1	1 1/2 : 1
SOLID ROCK	1/2 : 1	angle of repose

2. SURFACING TYPES
   - A. PIT RUN ROCK
   - B. GRID ROLLED ROCK MATERIAL
   - C. SCREENED ROCK MATERIAL
   - D. CRUSHED ROCK MATERIAL

3. TURNOUTS
   - A. WIDTH 10 FT. IN ADDITION TO SUB-GRADE WIDTH, OR AS SHOWN ON THE PLANS.
   - B. LOCATED APPROXIMATELY, AS SHOWN ON THE ROAD PLANS.
   - C. INVISIBLE AND NOT MORE THAN 750 FT. APART.

4. SURFACING
   TURNOUTS, CURVE WIDENING, AND ROAD APPROACH APRONS SHALL BE SURFACED.

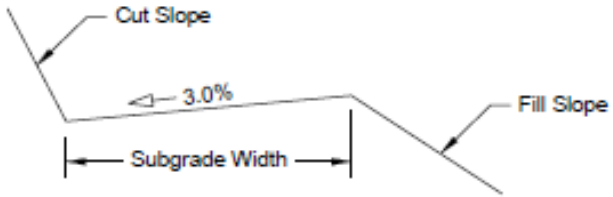
5. CLEARING WIDTH
   SEE SUBSECTION 200

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

CEDAR FLAT
TIMBER SALE
SPECIFICATION SHEET

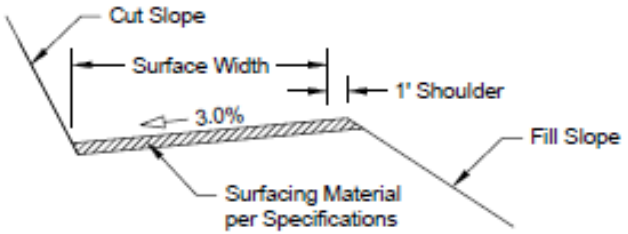
DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 2 OF 3

EXHIBIT C4-3



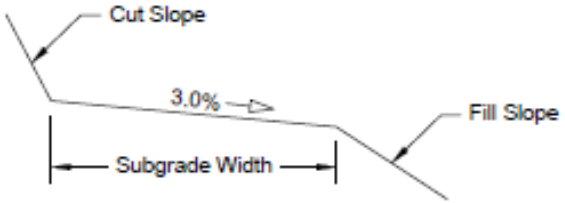
TYPICAL GRADING SECTION

TYPE 1



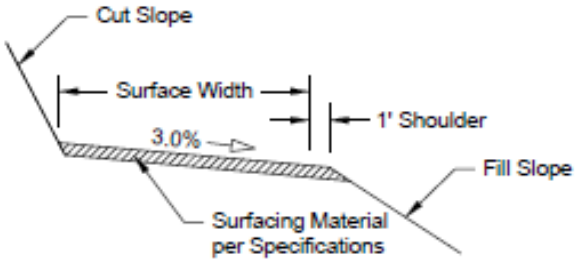
TYPICAL SURFACING SECTION

TYPE 2



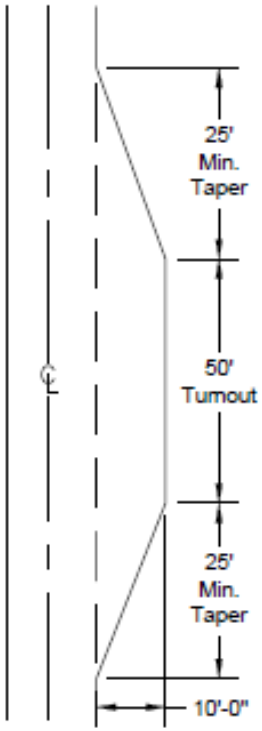
TYPICAL GRADING SECTION

TYPE 3



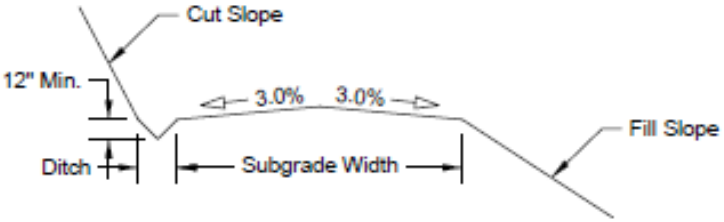
TYPICAL SURFACING SECTION

TYPE 4



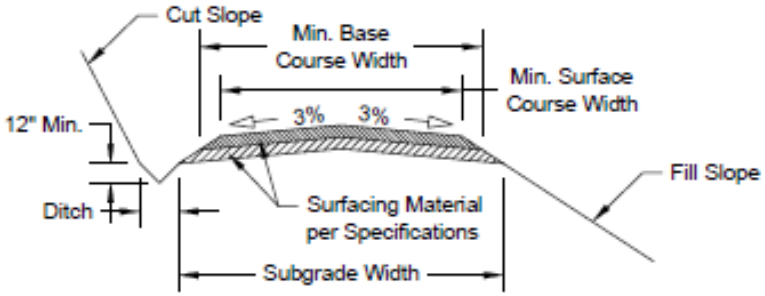
TYPICAL TURNOUT

PLAN VIEW



TYPICAL GRADING SECTION

TYPE 5



TYPICAL SURFACING SECTION

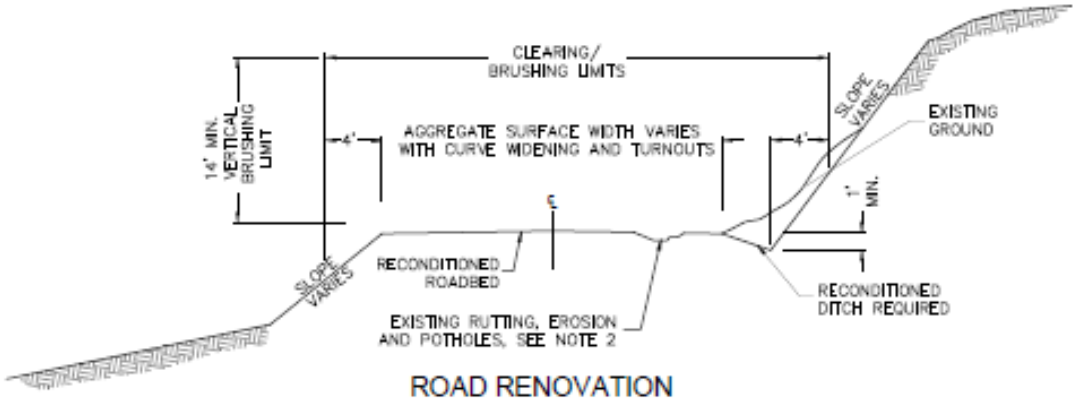
TYPE 6

UNITED STATES DEPARTMENT OF THE INTERIOR
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MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE SPECIFICATION SHEET

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 3 OF 3

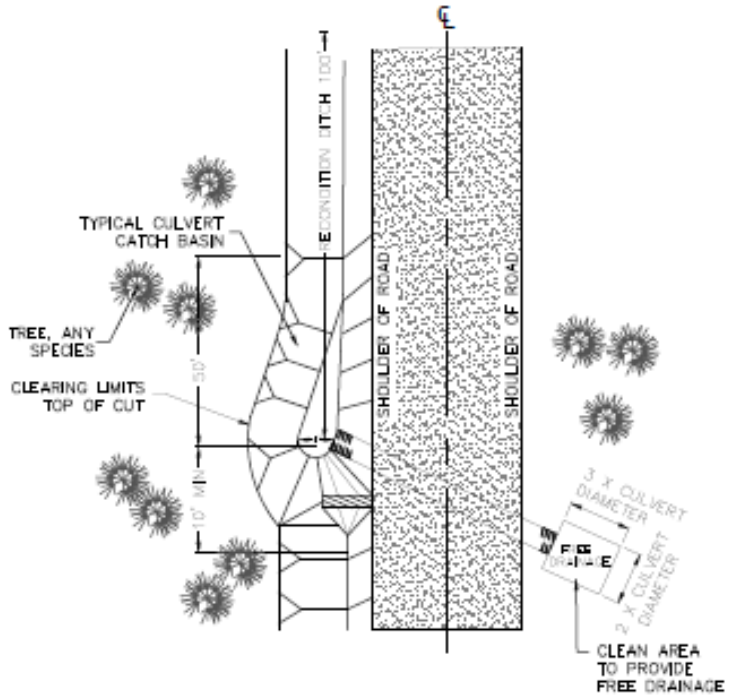
EXHIBIT C5



ROAD RENOVATION

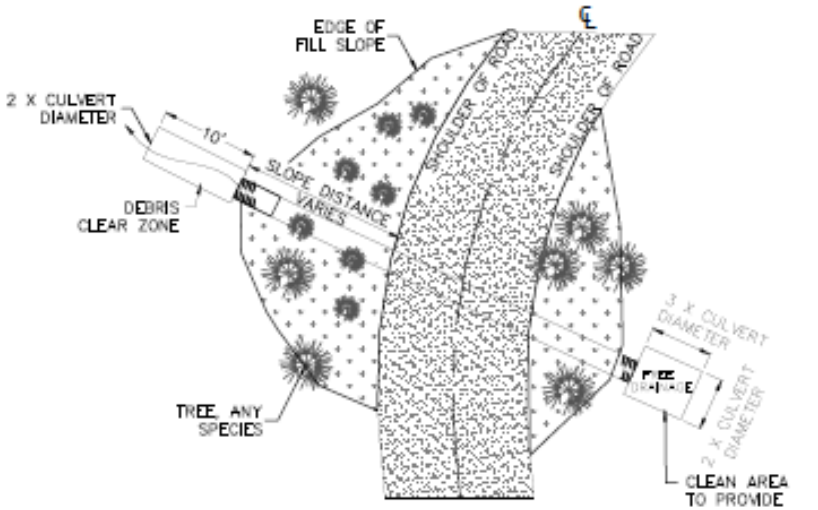
NOTES:

1. RECONDITION ROADS AS SHOWN AND IN ACCORDANCE WITH SECTION 500 OF THE SPECIFICATIONS. REQUIRED RECONDITIONING INCLUDES CURVE WIDENING AND TURNOUTS. DITCH RECONDITIONING INCLUDES CLEANING CULVERT INLETS AND OUTLETS.
2. WHERE RUTTING, EROSION AND POTHOLES EXIST, SCARIFY TO DEPTH OF RUT/EROSION/POTHOLE, BLADE, SHAPE AND COMPACT EXISTING AGGREGATE OR NATIVE SURFACE MATERIAL.
3. REMOVE AND DISPOSE OF SLIDE, DITCH, AND CATCH BASIN MATERIAL. DISPOSAL SITE LOCATIONS ARE LISTED IN THE EXHIBIT C ROAD RENOVATION WORKLIST. DISPOSAL/WASTE SITES SHALL BE APPROVED BY THE AUTHORIZED OFFICER PRIOR TO USE.
4. MATCH EXISTING TRAVEL WAY CROSS SLOPE. THE TRAVELED WAY SHALL BE SHAPED TO THE EXISTING CROSS SLOPE. EXISTING ROADS WHICH ARE CROWNED SHALL BE AT 3% FROM CENTERLINE ROAD, INSLOPED AS IS, OUTSLOPED AS IS.



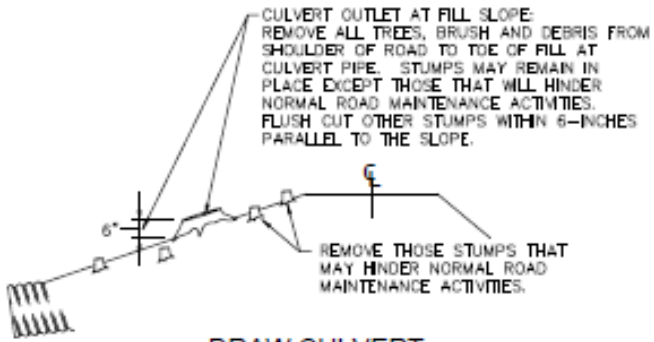
CROSS DRAIN CULVERT PLAN VIEW

CLEARING NOTES:
1. NO GRUBBING OR ROOT DISTURBANCE UNLESS NOTED
2. REMOVE VEGETATION BY CUTTING OR MOWING
3. RECONDITION CULVERT CATCH BASIN A MINIMUM OF 4' FROM CULVERT INLET



DRAW CULVERT PLAN VIEW

CLEARING NOTES:
1. NO GRUBBING OR ROOT DISTURBANCE UNLESS NOTED
2. REMOVE VEGETATION BY CUTTING OR MOWING
3. RECONDITION INLET CHANNEL, REMOVE ALL DEBRIS AND OBSTRUCTION A MINIMUM OF 2 X CULVERT DIAMETER & 10 FEET LONG



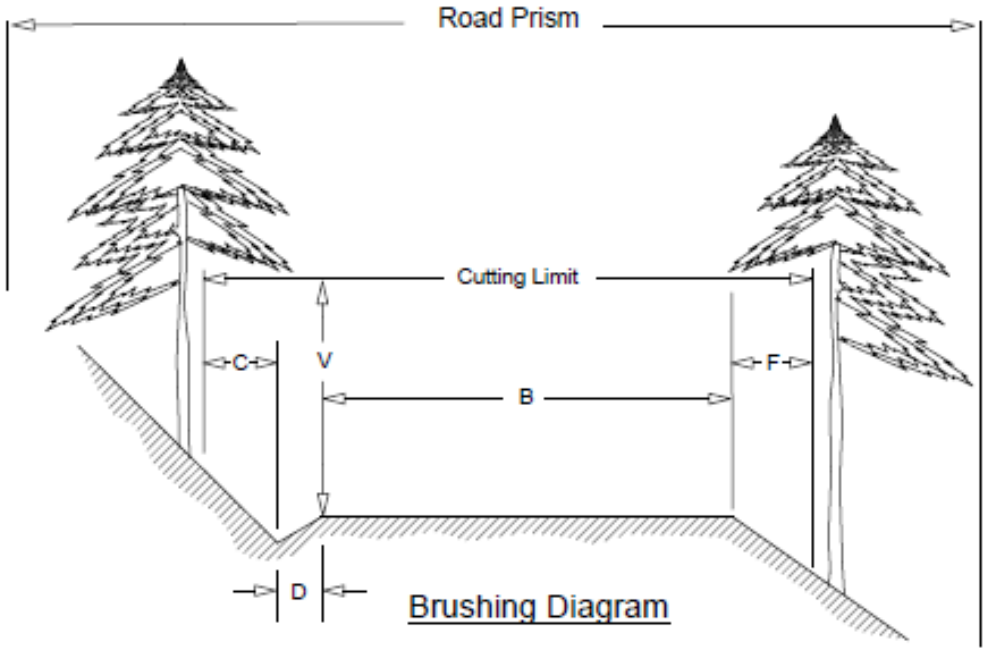
DRAW CULVERT PROFILE

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

CEDAR FLAT TIMBER SALE TYPICAL ROAD RENOVATION

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 1

EXHIBIT C6



Brushing Diagram

Cutting Limit = C + D + B + F

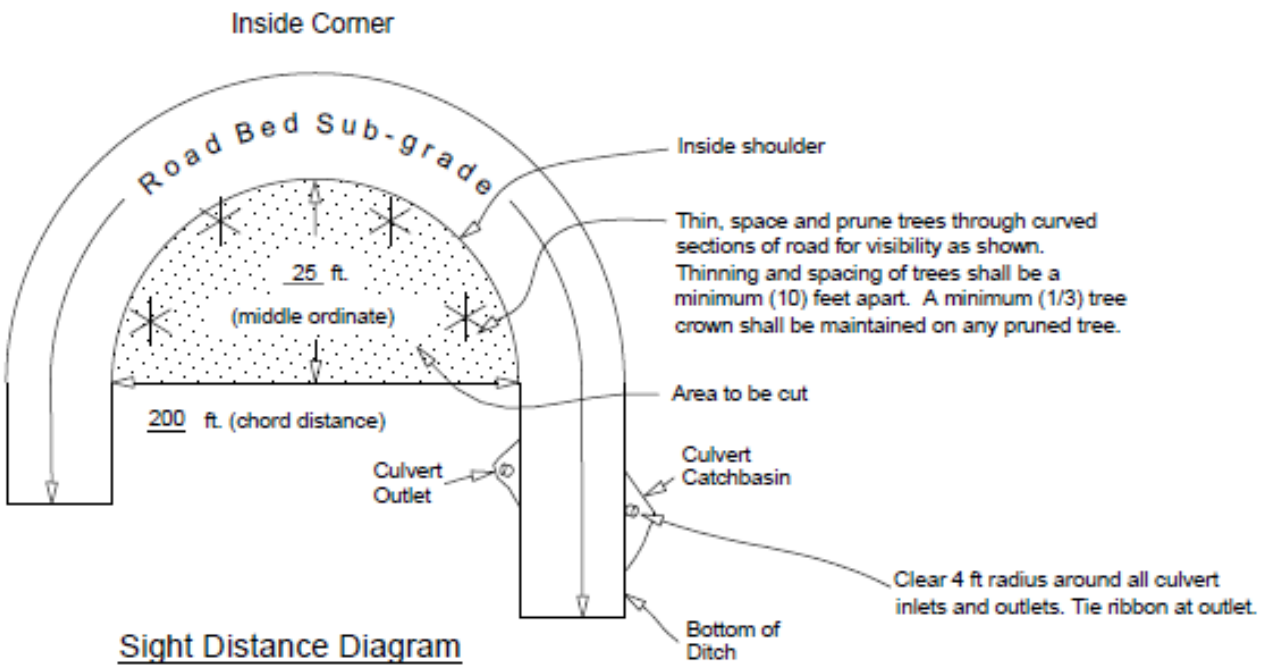
B = Road Bed Subgrade (includes turnouts)
Cut all vegetation to maximum height of 1" flush with the running surface.

C = 4 ft - Distance to be brushed on cut slope beyond centerline of ditch. Cut all vegetation to maximum height of 4".

D = Centerline of ditch to inside shoulder. Cut all vegetation to maximum height of 1".

F = 4 ft - Distance to be brushed on fill slope beyond outside shoulder
Cut all vegetation to maximum height of 4".

V = 14 ft - Height of vertical cutting limit



Sight Distance Diagram

revised 08/2010

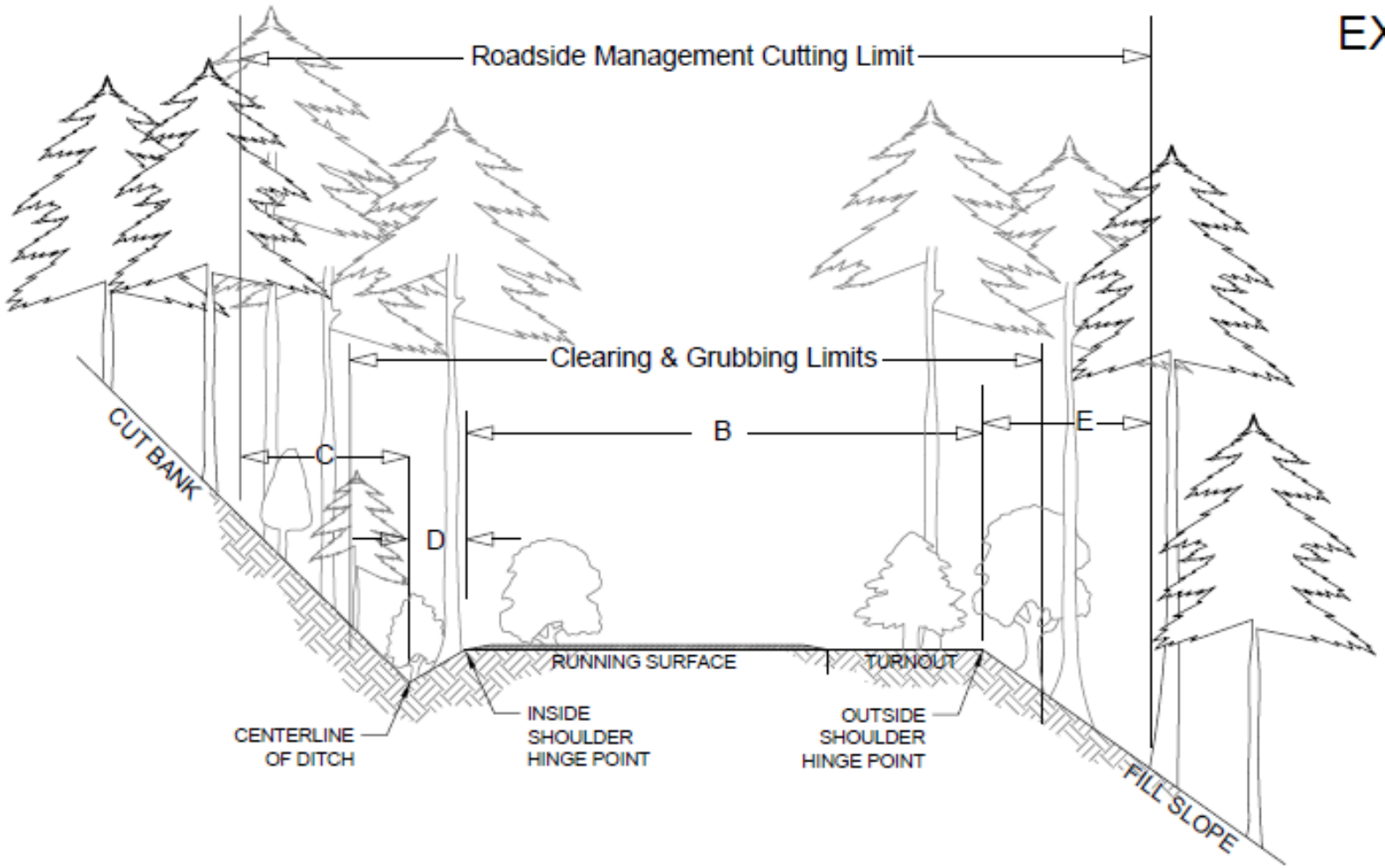
All distances shown are horizontal except for V

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

CEDAR FLAT TIMBER SALE
TYPICAL ROADSIDE
BRUSHING DETAIL

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 1

EXHIBIT C7



Roadside Management Unit Cutting Limits = C + D + B + E

C = 15 ft - Distance to remove all trees on cut slope beyond centerline of ditch. Variable slope distance as specified in timber sale specifications. Cut all trees. Remove all tree stumps from centerline of ditch to 4 ft slope distance up the cut bank (grind or pop stump bowl).

D = Centerline of ditch to inside shoulder hinge point. Cut all trees. Remove all tree stumps from inside shoulder hinge point to centerline of ditch (grind/pop).

B = Road Running Surface (includes turnouts). Cut all trees. Remove all tree stumps from road running surface and turnouts.

E = 15 ft - Distance to remove all trees on fill slope beyond outside shoulder hinge point. Variable slope distance as specified in timber sale specifications. Cut all trees. Remove all tree stumps from outside shoulder hinge point to 4 ft slope distance down the fill slope (grind or pop stump bowl).

NOTES:

1. All stumps shall be grubbed and disposed of at a waste disposal site or other approved locations. Stump holes shall be filled (if needed) with suitable material and compacted.
2. Any stumps along cut banks and fill slopes that will impede road maintenance equipment shall be removed (grind/pop).
3. Seed and mulch disturbed areas along cut banks and fill slopes in accordance with the Soil Stabilization Specifications (1800).

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

CEDAR FLAT TIMBER SALE ROADSIDE MANAGEMENT UNIT DETAIL

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 1

EXHIBIT C8-1

CULVERT LOCATIONS										DOWNSPOUTS					
DESIGNED						AS BUILT				1/2 ROUND		FULL ROUND*			
ROAD NO.	STATION OR M.P.	SIZE	GAUGE	LENGTH	SKEW ANGLE	STATION OR M.P.	SIZE	GAUGE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SPLASH PADS NEEDED YES/NO	REMARKS
39-5-06.02 A	0.57	24"	16	44'								24"	20'	NO	
	0.66	36"	14	50'										YES	
	0.86	24"	16	40'										YES	
39-5-07.00 A-C2	0.16	24"	16	46'										YES	
	0.23	24"	16	46'										YES	
	0.32	24"	16	40'								24"	10'	NO	
	0.39	24"	16	36'								24"	10'	NO	
	0.61	24"	16	40'										YES	
	1.05	24"	16	46'										YES	
	1.65	24"	16	40'										YES	
	1.78	24"	16	46'										YES	
	1.89	24"	16	50'										YES	
	2.91	24"	16	40'										YES	
39-5-07.01	0.19	24"	16	40'										YES	
	0.30	24"	16	40'										YES	
	0.63	24"	16	40'										YES	
	0.65	24"	16	36'										YES	
39-5-17.00	0.20	24"	16	40'								24"	10'	NO	
	0.24	24"	16	36'								24"	10'	NO	
	0.32	24"	16	34'										YES	
	0.39	24"	16	34'										YES	
	0.55	24"	16	36'										YES	
39-5-19.00 A-C	0.67	24"	16	40'										YES	
	0.77	24"	16	40'										YES	
39-5-19.02	0.39	24"	16	40'										YES	
	0.91	24"	16	36'										YES	

CMP AND DOWNSPOUT TOTALS ON PAGE 2 OF 2

NOTES:

A. Designed culvert lengths and locations are approximate. Actual lengths and locations will be measured in the field.

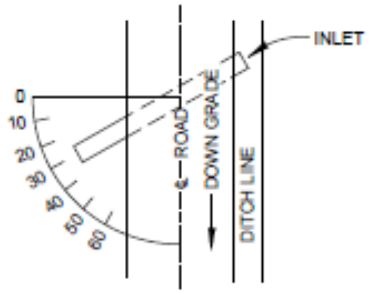
B. Summary of Quantities are shown on Exhibit C3

C. All downspout pipes are 16 gauge unless otherwise noted.

ELBOW TYPES:*

1. Turner Type

SKEW DETAIL



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

CEDAR FLAT
TIMBER SALE
CULVERT LIST

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 2

EXHIBIT C8-2

CULVERT LOCATIONS										DOWNSPOUTS				SPLASH PADS NEEDED YES/NO	REMARKS
DESIGNED						AS BUILT				1/2 ROUND		FULL ROUND*			
ROAD NO.	STATION OR M.P.	SIZE	GAUGE	LENGTH	SKEW ANGLE	STATION OR M.P.	SIZE	GAUGE	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
39-6-11.00 A-D	0.52	24"	16	36'								24"	20'	NO	
	1.21	24"	16	36'								24"	10'	NO	
	1.44	24"	16	46'										YES	
	1.94	24"	16	30'								24"	20'	NO	
	2.29	24"	16	40'								24"	20'	NO	
	3.27	24"	16	46'										YES	
	5.12	24"	16	40'										YES	
	5.51	24"	16	40'										YES	
39-6-25.01	0.23	24"	16	50'								24"	20'	NO	
	0.32	24"	16	40'										YES	
	0.41	24"	16	40'										YES	

TOTAL 18" CMP:	TOTAL 24" 1/2 Round:
TOTAL 24" CMP: 1,450 LF	TOTAL 30" 1/2 Round:
TOTAL 30" CMP:	TOTAL 24" Full Round: 150 LF
TOTAL 36" CMP: 50 LF	TOTAL 30" Full Round:
TOTAL 48" CMP:	TOTAL 36" Full Round:

NOTES:

A. Designed culvert lengths and locations are approximate. Actual lengths and locations will be measured in the field.

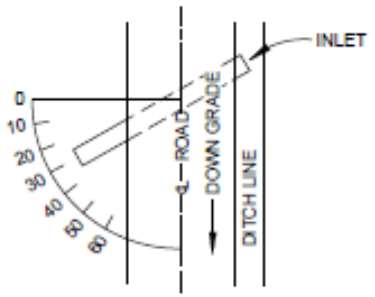
B. Summary of Quantities are shown on Exhibit C3

C. All downspout pipes are 16 gauge unless otherwise noted.

ELBOW TYPES:*

1. Turner Type

SKEW DETAIL



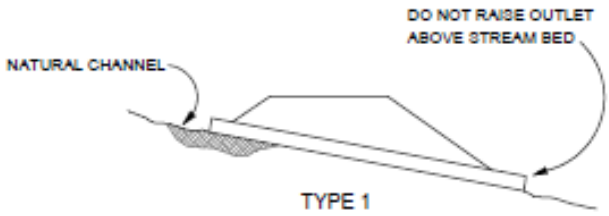
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE CULVERT LIST

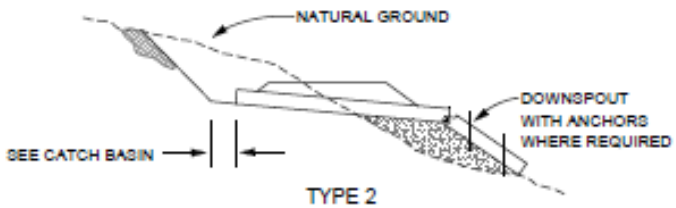
DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 2 OF 2

EXHIBIT C9-1

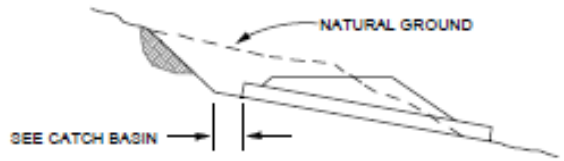
CULVERT INSTALLATION TYPES



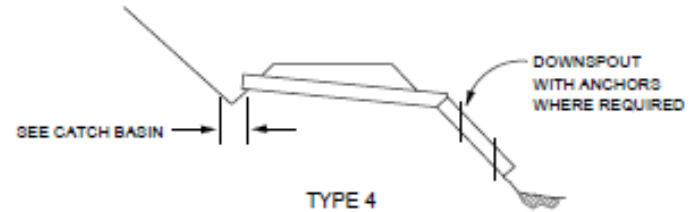
TYPE 1



TYPE 2

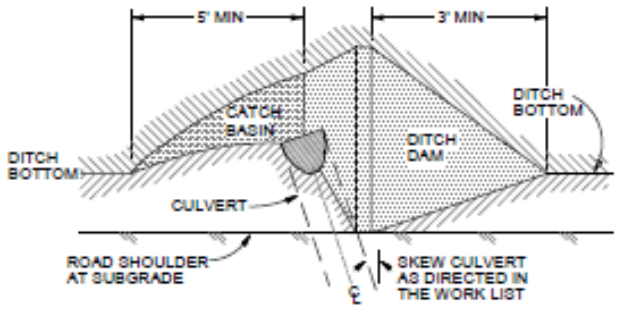


TYPE 3

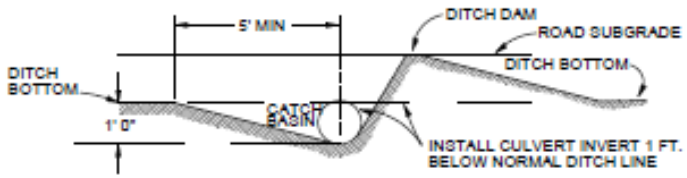


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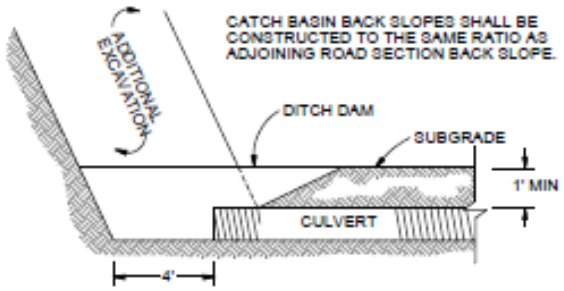
CATCH BASIN



PLAN VIEW

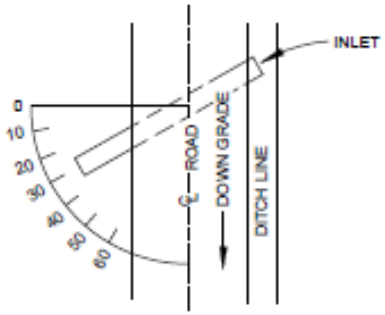


ELEVATION



CROSS SECTION AT CATCH BASIN

SKEW DIAGRAM



THE GRADE OF CROSSDRAINS SHALL BE AT LEAST 2% GREATER THAN THE GRADE OF THE DITCH.

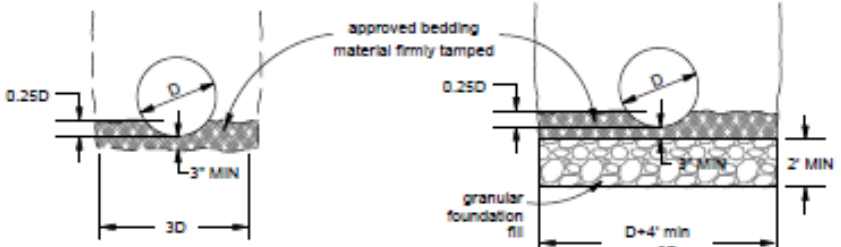
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE CULVERT INSTALLATION DETAILS

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 2

EXHIBIT C9-2

BEDDING OF CULVERTS



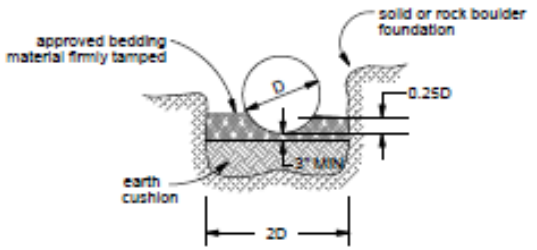
BEDDING MATERIAL SHALL BE SHAPED TO FIT THE BOTTOM OF THE CULVERT.

BEDDING OF CULVERTS ON STABLE NATURAL GROUND FOUNDATION OR COMPACTED EMBANKMENT

BEDDING MATERIAL SHALL BE SHAPED TO FIT THE BOTTOM OF THE CULVERT.

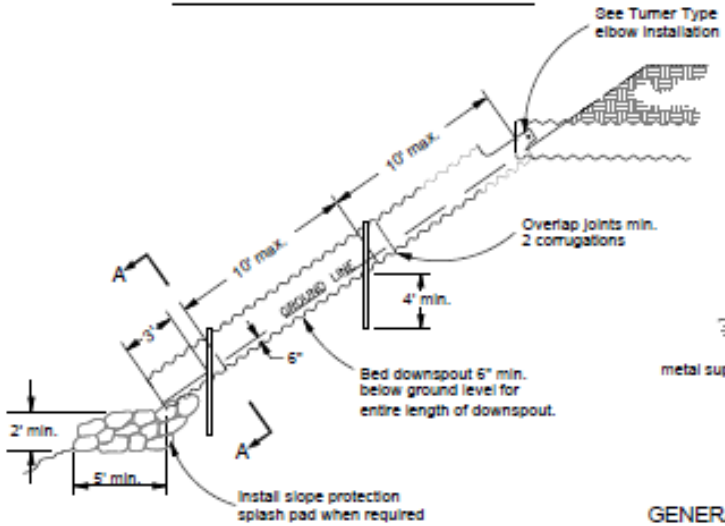
BEDDING OF CULVERTS ON SOFT SPONGY OR UNSTABLE SOIL FOUNDATION

BEDDING OF CULVERT IN SOLID ROCK OR BOULDER FOUNDATION

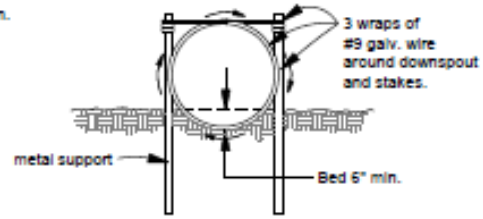


BEDDING MATERIAL SHALL BE SHAPED TO FIT THE BOTTOM OF THE CULVERT. EARTH CUSHIONING OF SILTY CLAY LOAM OR SAND MAY BE USED IF MATERIAL CAN BE PLACED IN THE DRY CONDITION. IF THE EXCAVATION IS WET, USE GRANULAR FOUNDATION FILL MATERIAL. MAINTAIN 8" DEPTH BETWEEN HIGH POINTS OF ROCKS AND/OR BOULDERS AND THE BOTTOM OF THE CULVERT.

FULL ROUND DOWNSPOUT



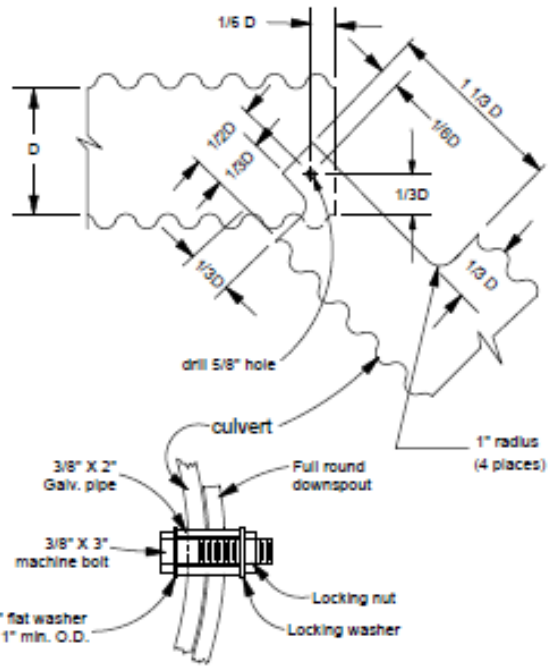
SECTION A-A



GENERAL NOTES:

1. The full round downspout shall be the same diameter, material, and coating as the culvert it is attached to.
2. The full round downspout shall be fabricated from 16 gauge metal with 2 2/3" x 1/2" corrugations.
3. Supports may be steel bar, angle iron, or approved equivalent metal posts and shall be a minimum of 6 feet long.

TURNER TYPE ELBOW



BOLT DETAIL

Join pipe culvert to downspout as shown. Field drill 5/8" dia. thru downspout and culvert and install 3/8" x 2" bolts, flat washers, lock washers and locking nuts.

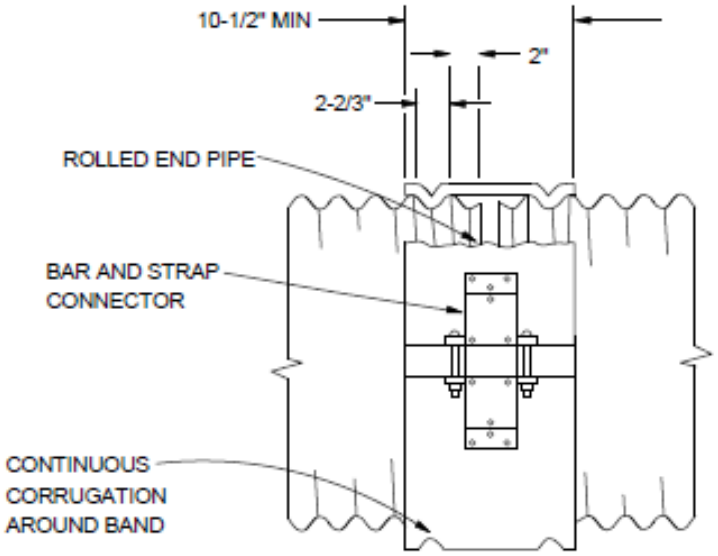
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE CULVERT INSTALLATION DETAILS

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 2 OF 2

EXHIBIT C10

CSP "HUGGER" COUPLER BANDS



STANDARD CONSTRUCTION IS A ONE PIECE BAND FOR 12" THRU 48" PIPES AND A TWO PIECE BAND FOR 54" PIPES AND ABOVE

THE HUGGER COUPLER BAND OR AN APPROVED EQUIVALENT COUPLER BAND SHALL BE MADE OF THE SAME MATERIAL AND FINISH AS THE PIPES JOINED. THE COUPLER BANDS SHALL BE A MINIMUM OF 10-1/2 INCHES WIDE AND BE 16 GUAGE OR HEAVIER. THE BAND SHALL BE DESIGNED TO BE DRAWN TOGETHER WITH A MINIMUM OF TWO (2) 1/2 INCH BOLTS THROUGH USE OF A BAR AND STRAP SUITABLY WELDED TO THE BAND. THE BAND SHALL ENGAGE AND MESH WITH THE SECOND ANNULER CORRUGATION INWARD FROM THE END OF EACH OF THE CONDUIT SECTIONS JOINED.

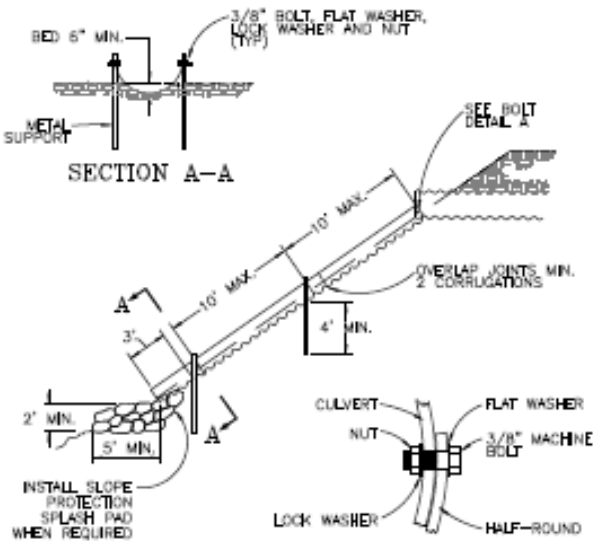
WHEN DESIGNATED ON THE PLANS OR IN THE SPECIAL PROVISIONS, GASKETS SHALL BE INSTALLED WHEN THE "HUGGER" TYPE, OR AN APPROVED EQUIVALENT COUPLER BAND IS INSTALLED ON SPILLWAY, OVERSIDE OR DOWN DRAINS.

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

CEDAR FLAT
TIMBER SALE
CULVERT BAND DETAIL

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 1

EXHIBIT C11

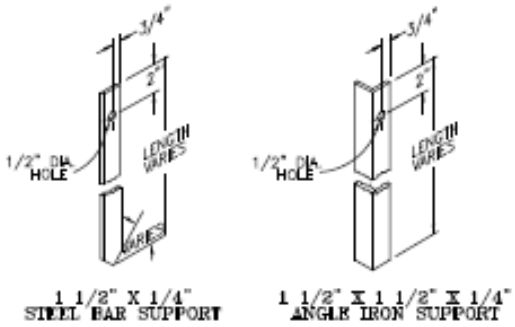


BOLT DETAIL A

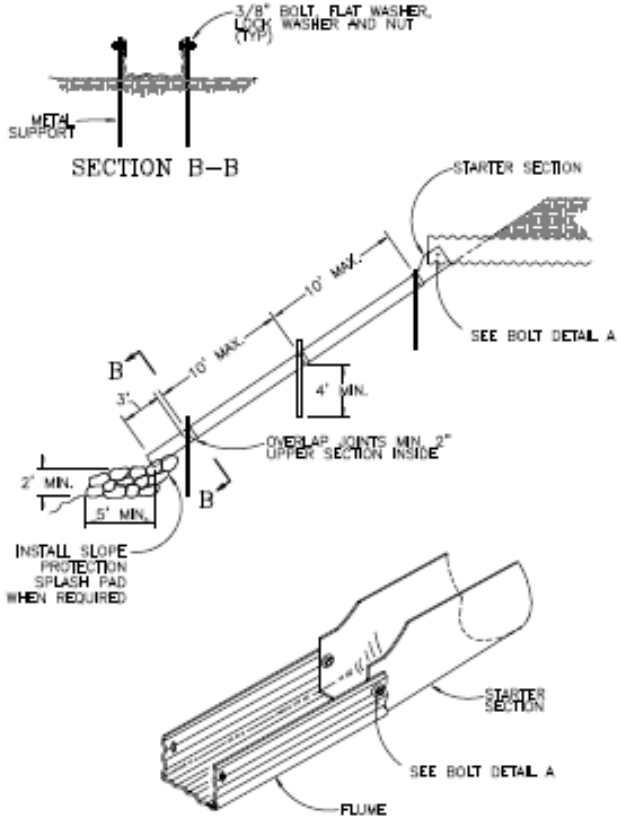
JOIN PIPE CULVERT TO STARTER SECTION AS SHOWN. FIELD DRILL 5/8" DIA. THRU STARTER SECTION AND CULVERT AND INSTALL 3/8" X 2" BOLTS, FLAT WASHERS, LOCK WASHERS AND NUTS.

HALF ROUND DOWNSPOUT

NOTES:
1. THE HALF ROUND SHALL BE ONE DIAMETER SIZE LARGER AND OF THE SAME MATERIAL AND COATING AS THE CULVERT IT IS ATTACHED TO.
2. THE HALF ROUND SHALL BE FABRICATED FROM 16 GAUGE METAL WITH 2 2/3" X 1/2" CORRUGATIONS.
3. SUPPORTS MAY BE STEEL BAR, ANGLE IRON OR APPROVED EQUIVALENT METAL POSTS.

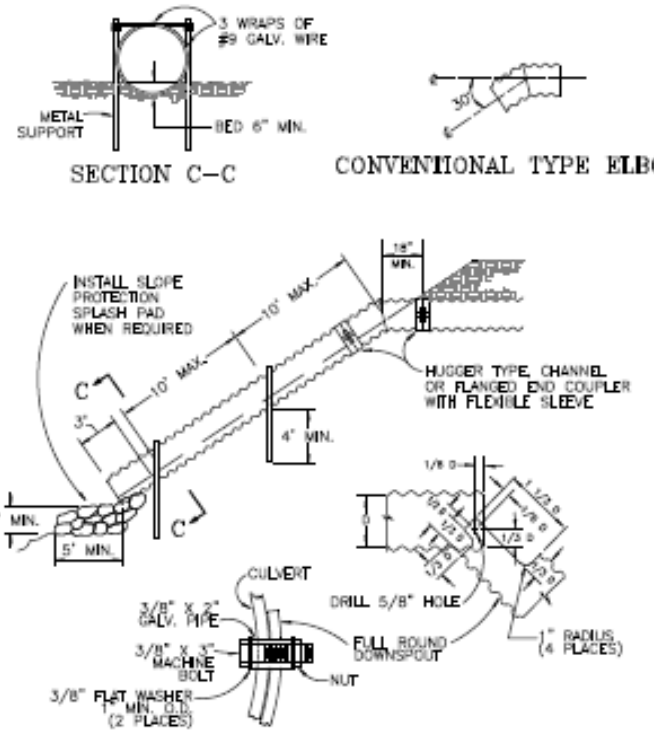


METAL SUPPORT DETAIL



RECTANGULAR FLUME

NOTES:
1. THE FLUME SHALL BE FABRICATED FROM 16 GAUGE CULVERT STOCK WITH 2 2/3" X 1/2" CORRUGATIONS.
2. THE STARTER SECTION SHALL BE FABRICATED FROM 16 GAUGE NON–CORRUGATE CULVERT STOCK
3. ADJUSTABLE WIDTH FLUMES ARE AVAILABLE FOR APPLICATIONS OVER 24" WIDE. INSTALL ACCORDING TO MANUFACTURER.
4. SUPPORTS MAY BE STEEL BAR, ANGLE IRON OR APPROVED EQUIVALENT POSTS.



FULL ROUND DOWNSPOUT

NOTES:
1. THE ELBOW AND SPILLWAY SECTION SHALL BE OF THE SAME DIAMETER, MATERIAL AND COATING AS THE CULVERT IT IS ATTACHED TO.
2. THE SPILLWAY SECTION SHALL BE FABRICATED FROM 16 GAUGE METAL WITH 2 2/3" X 1/2" CORRUGATIONS.
3. SUPPORTS MAY BE COMMERCIAL STEEL FENCE POSTS, STEEL BAR, ANGLE IRON OR EQUIVALENT METAL POSTS.
4. CONNECTION BETWEEN HELICALLY CORRUGATED AND ANNULAR PIPE SHALL REQUIRE A SPECIAL ADAPTER COUPLING BAND.

GENERAL NOTES

1. THE LENGTH OF THE DOWNSPOUT SHALL BE DETERMINED AT THE TIME OF INSTALLATION.
2. FABRICATION AND INSTALLATION OF ALL GALVANIZED STEEL DOWNSPOUTS SHALL CONFORM TO AASHTO M36, M218; ALUMINUM ALLOY TO AASHTO M196; ALUMINIZED TYPE II TO AASHTO 36, M196.
3. ALL STEEL NUTS, BOLTS AND WASHERS SHALL BE GALVANIZED. (ASTM A307, A153)
4. SLOPE PROTECTION SPLASH PADS, WHEN REQUIRED, SHALL BE A MIN. 2' WIDE X 5' LONG X 2' DEEP. INDIVIDUAL ROCKS SHALL BE 10" – 14" IN SIZE.
5. SLOPE PROTECTION SPLASH PADS SHALL EXTEND TO UNDISTURBED GROUND.

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

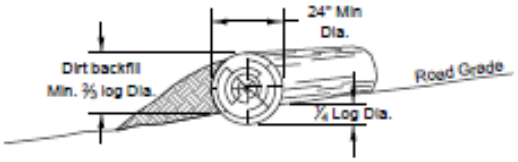
CEDAR FLAT TIMBER SALE DOWNSPOUT INSTALLATION DETAILS

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 1

EXHIBIT C12-1



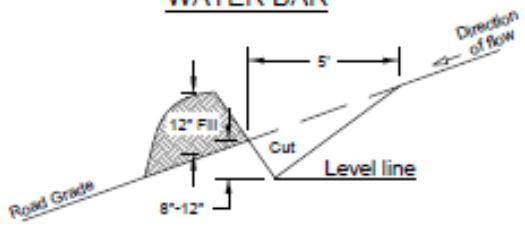
LOG BARRICADE



1. Log barricade shall be constructed as shown above.
2. Exact location is listed in Roads Work List.
3. All barricades shall be skewed 30 degrees.
4. The log length shall extend from the cut bank to the fill slope.
5. The minimum small end diameter of the log barricade shall be 24".



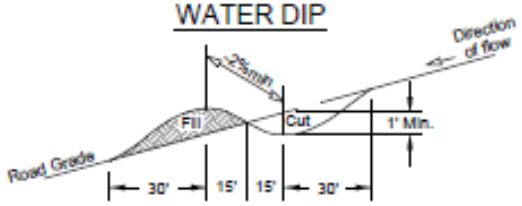
WATER BAR



1. Water bars shall be constructed as shown above.
2. Exact location will be flagged by the Authorized Officer prior to construction.
3. All water bars shall be skewed 30 degrees.
4. Upon completion of skidding logs, for the logging season, each skid road will have cross drainage constructed as shown above.



WATER DIP



1. Water dips shall be constructed as shown above.
2. Exact location is listed in Exhibit C Roads Work List.
3. All water dips shall be skewed 30 degrees.
4. The width shall extend across entire road running surface, from the cut bank to the fill slope.
5. Armor outlet of water dip on fill slope. Riprap material will be securely placed at outlet a minimum of 10 LF wide by 8 LF down fill slope by 1 FT in depth. Key-in toe of Riprap apron for stability. See Slope Protection specifications (1400).
6. Seed and mulch fill slope upon completion to stabilize side-cast material. See Soil Stabilization specifications (1800).

WATER BAR SPACING* BY EROSION CLASS^

ROAD GRADE	HIGH	MODERATE	LOW
%	FEET	FEET	FEET
2-5	200	300	400
6-10	150	200	300
11-15	100	150	200
16-20	75	100	150
21-35	50	75	100
35+	50	50	50

* Spacing is determined by slope distance and is the maximum allowed for the grade.

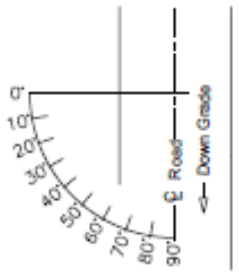
^ The erosion classes include the following rock types:
High: Granite, sandstone, andesite porphyry, glacial or alluvial deposits, soft matrix conglomerate, volcanic ash, and pyroclastics.
Moderate: Basalt, andesite, quartzite, hard matrix conglomerate, and rhyolite.
Low: Metasediments, metavolcanics, and hard shale.

WATER DIP SPACING*

ROAD GRADE	SANDY LOAM LOAM	DECOMPOSED GRANITE/SAND	CLAY & SILTY SOILS
%	FEET	FEET	FEET
2-3	-	2000-1000	1200-600
4-7	1200-600	950-450	600-300
8-10	550-450	450-350	300-200
11-15	450-300	350-200	200-100
16+	300-250	200-150	100

* Spacing is determined by slope distance and is the maximum allowed for the grade.

SKEW DIAGRAM



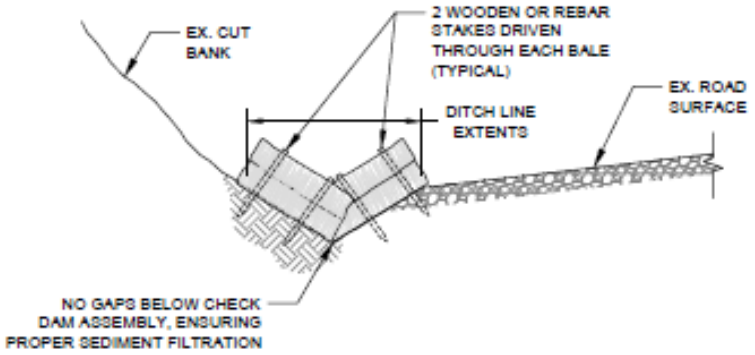
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE DRAINAGE & EROSION CONTROL DETAILS

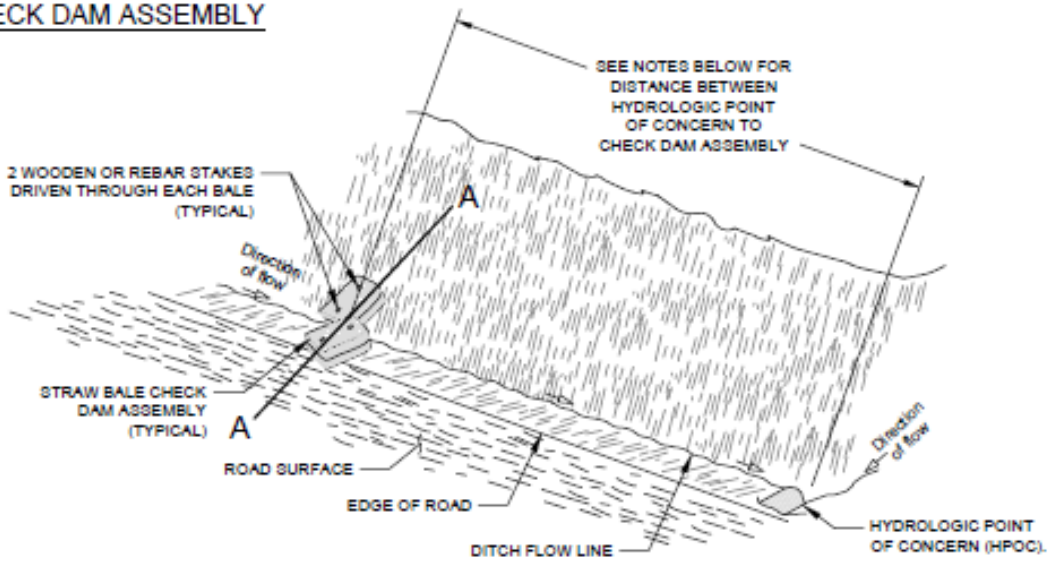
DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 2

EXHIBIT C12-2

STRAW BALE CHECK DAM ASSEMBLY



SECTION A-A



PLAN

NOTES:

1. **All straw bales will be from a weed free certified source.**

2. Hydrologic Points of Concern (HPOC) are natural drainage features (ie. streams, creeks, draws) that intersect with existing or proposed roads.

3. If the HPOC is a bridge spanning across a noted or listed critical fish habitat (Coho) waterway, install check dam assembly, or other approved BMP, in road ditch line 150 LF up-grade from top of creek bank or edge of bridge.

4. If the HPOC is a draw culvert, install check dam assembly, or other approved BMP, in road ditch line 100 LF up-grade from inlet of culvert.

INSTALLATION NOTES:

1. Do not construct the check dam assembly more than one bale high.

2. Bales shall be placed tightly together and snug to the ground to ensure no gaps between bales or underneath the assembly.

3. Securely anchor the bales in place with two wooden or rebar stakes driven through the bales. Drive the stakes in the second bale toward the previously laid bale to force the bales tightly together. Ensure stakes are driven 12 inches minimum into the ground.

4. The assemblies do not need to be anchored if the terrain is relatively flat, less than 2% ditch line grade.

INSPECTION/MAINTENANCE NOTES:

1. Inspect each assembly before, during, and after each rain event.

2. Repair and/or replace damaged assemblies or decomposed bales promptly. Replacement bales shall be in good condition to ensure sediment trapping.

3. Trapped sediment shall be removed when it reaches 6-8 inches in depth.

4. Sediment shall be removed and placed in a stable area outside of wetlands, riparian reserves, floodplains, and waters of the State.

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

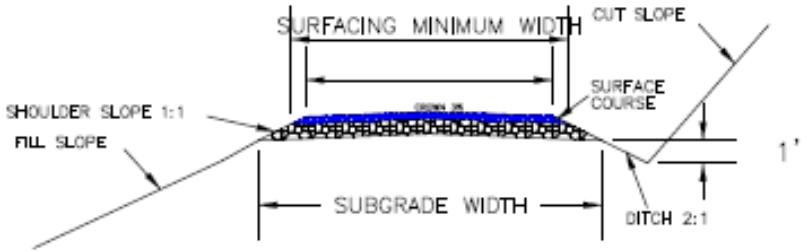
CEDAR FLAT
TIMBER SALE
DRAINAGE & EROSION
CONTROL INSTALLATION

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 2 OF 2

EXHIBIT C–13

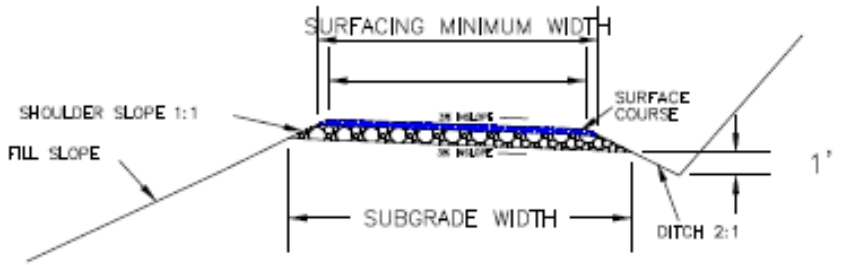
TYPICAL CROWNED SURFACE

EXISTING MIN. BASE COURSE WIDTH



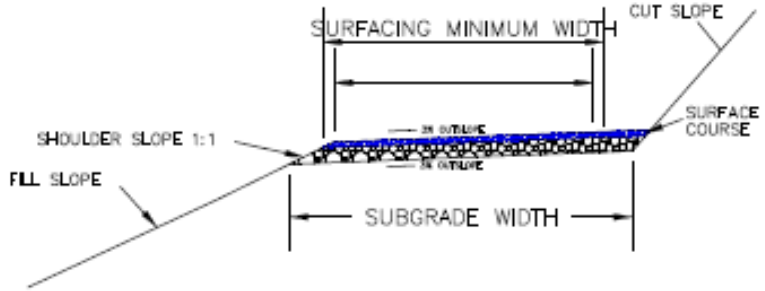
TYPICAL INSLOPED SURFACE

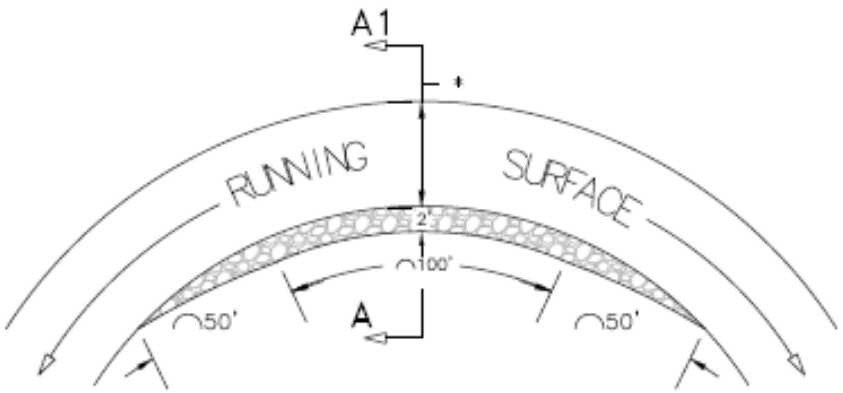
EXISTING MIN. BASE COURSE WIDTH



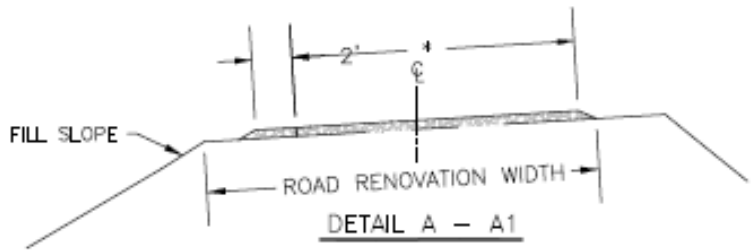
TYPICAL OUTSLOPED SURFACE

EXISTING MIN. BASE COURSE WIDTH





TYPICAL CURVE WIDENING DETAIL



DETAIL A – A1

NOTES:

SURFACING SHALL BE THE COMPACTED DEPTH AS SPECIFIED IN THE WORKLIST.

CURVE WIDENING SHALL BE SURFACED TO A LENGTH OF 100' WITH 50' TAPERS.

APPLY THE WIDENING ON THE INSIDE OF THE CURVES THROUGHOUT THE RADIUS OF THE CORNER TO MATCH THE EXISTING ROAD TEMPLATE.

MAINTAIN EXISTING CROSS SLOPE AT CURVES

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

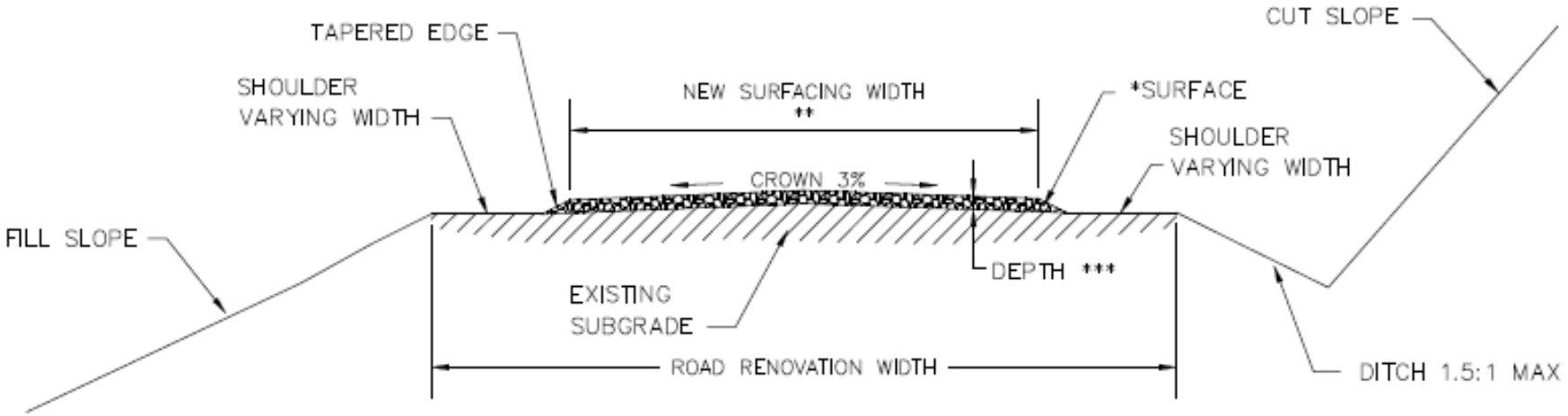
CEDAR FLAT TIMBER SALE ROAD SURFACING AND CURVE WIDENING SECTIONS

DRAWN: BLM	SCALE: AS SHOWN
DATE: JULY 2026	SHEET 1 OF 1

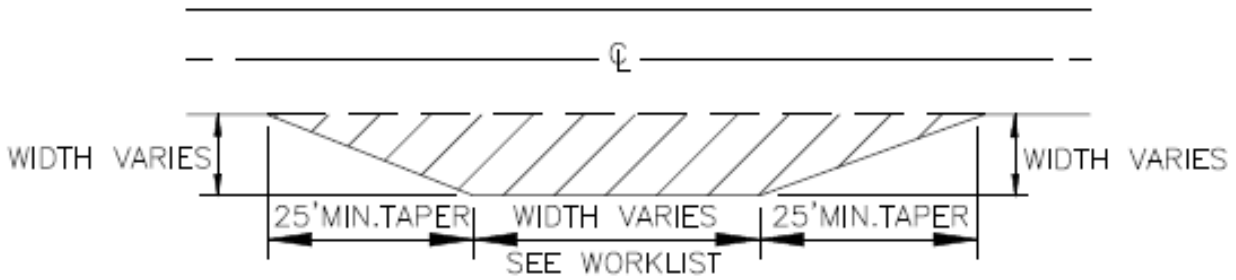
EXHIBIT C–14

NOTES:

SURFACING WIDTH EDGES SHALL BE TAPERED TO SUBGRADE. TAPERS SHALL BE SMOOTH AND TRANSITION TO SUBGRADE AS TO NOT CAUSE A SUDDEN DROP OR STEEP EDGE.



TYPICAL SURFACING SECTION
DITCHED ROAD



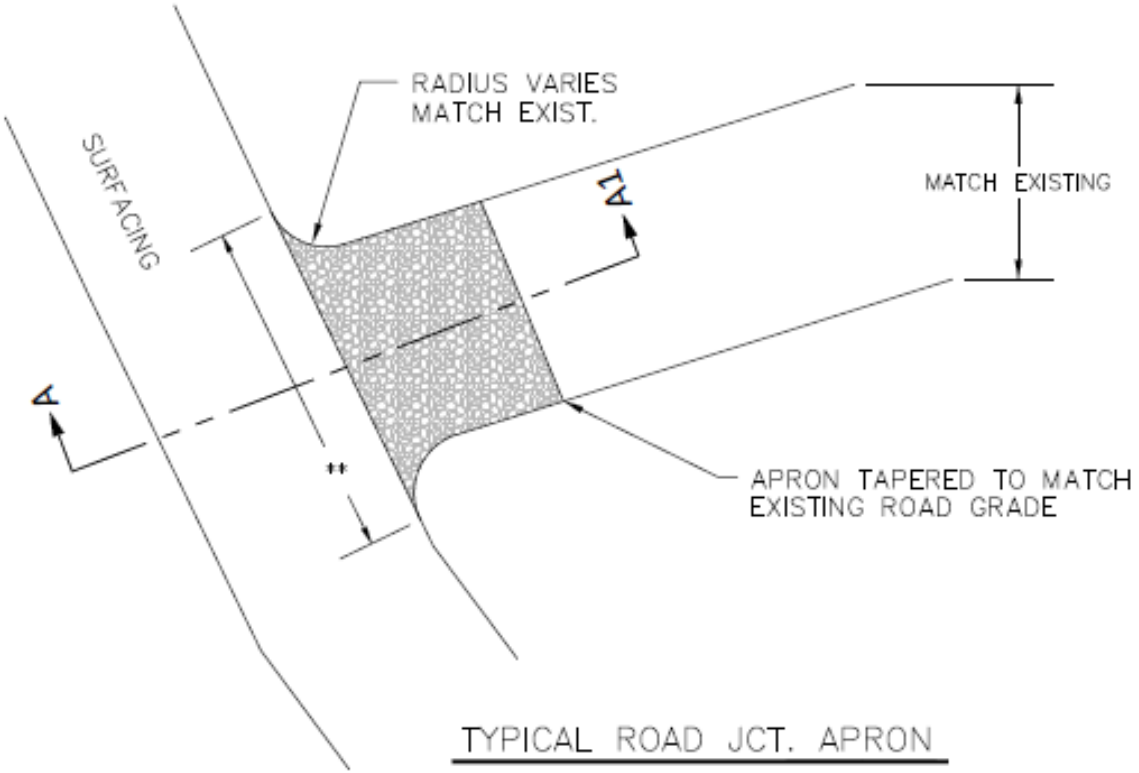
TYPICAL TURNOUT SECTION

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

CEDAR FLAT TIMBER SALE
TYPICAL TURNOUT SECTION

DRAWN: BLM	SCALE: AS SHOWN
DATE: JULY 2026	SHEET 1 OF 1

EXHIBIT C–15



TYPICAL ROAD JCT. APRON

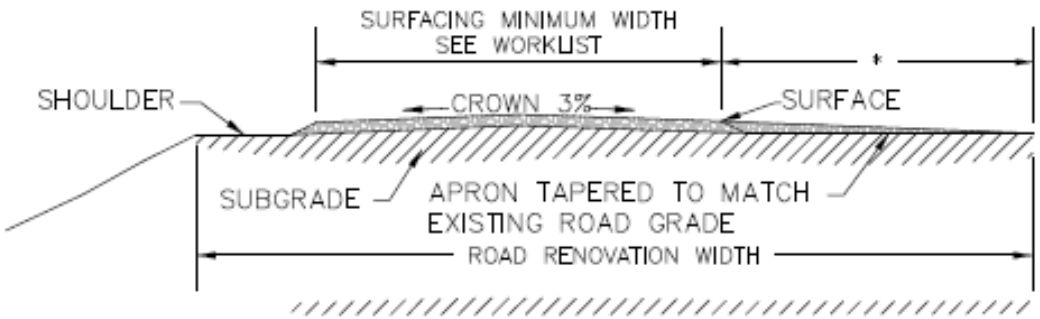
NOTES:

APRONS SHALL BE PLACED AT THE JUNCTIONS SPECIFIED IN THE WORK LIST.

TAPER DEPTH TO MATCH EXISTING ROAD GRADE.

*APRON LENGTHS VARY. EACH APRON SHALL BE CONSTUCTED WITH 10 CUBIC YARDS OF COMPACTED, IN–PLACE AGGREGATE.

**JUNCTION WIDTHS VARY; MATCH EXISTING.



TYPICAL SURFACING SECTION A–A1

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT – MEDFORD, OREGON	
CEDAR FLAT TIMBER SALE ROAD JUNCTION SURFACING APRON SECTION	
DRAWN: BLM	SCALE: AS SHOWN
DATE: JULY 2026	SHEET 1 OF 1

Definitions:

AGG = Aggregate Rock Surface
BST = Bituminous Surface
CL = Center Line of Road
CMP = Corrugated Metal Pipe
CY = Cubic Yard
Jct. = Junction/Intersection
MP = Mile Post
NAT = Natural or Native Surface
Pvt = Private (Industry or Citizen)
Seg = Segment
WDS = Waste Disposal Site

Road Renovation/Improvement Construction

The road renovation/improvement construction work list consists of road work to be performed by the Purchaser's Representative and/or Contractor **prior** to timber hauling per Section 42(B)(2) of the contract Special Provisions. This work includes, but not limited to, clearing and grubbing; excavation for road construction; widening as needed; compacting, watering, blading and/or rolling the road surface; scarifying rutted road surface as needed; clearing and reshaping ditch lines; cleaning or enlarging catch basins and outlets; cleaning the entire barrel of all culverts; furnishing and replacing corrugated metal pipes (culverts); regrading and/or constructing water-dips; surfacing or resurfacing roads with crushed rock aggregate; slide removal; seeding and mulching; and removing all down trees from roadways. All road work shall comply with the contract Special Provisions, Specifications, and Exhibits.

Roadside Brushing

This consists of work to be performed by the Purchaser's Representative and/or Contractor prior to timber hauling per Section 42(B)(2) of the contract Special Provisions. This work includes, but not limited to, brushing 4 horizontal feet up the cut bank slope from the centerline of the ditch and 4 horizontal feet down the fill slope from the outside shoulder hinge point of the road; removing brush at the inlet and outlet of existing culverts; and removing brush, limbs, and small diameter trees along the roadway to improve sight distance. All roadside vegetation to be cut and disposed of will be less than 8 inches in diameter at breast height (≤ 8" DBH). Disposal from roadside brushing will be chipped unless otherwise noted as lop and scatter in the work list. In areas where the road crosses through private (industry or civilian) property, conifer trees shall be pruned rather than cut down. Brush shall be cut to meet regular specifications. All work shall comply with the contract Special Provisions, Specifications, and Exhibits.

Roadside Vegetation Management Units

This work includes, but not limited to, removing merchantable and non-merchantable trees 15 feet up the cut bank slope from the centerline of ditch and 15 feet down the fill slope from the outside shoulder hinge point of the road as designated in the contract as Roadside Management Units (RMUs). All vegetation to be cut and removed will be greater than 12 inches in height and *generally less than 25 inches in diameter at breast height (DBH). All RMUs have been tagged and marked with beginning and ending locations. Merchantable trees in sections outside of identified timber sale units are marked with blue tracer paint. Sections within timber sale units will not be marked with paint but will have tags identifying beginning and ending locations of units. See Exhibit A for additional information.

All stumps remaining after the removal of the RMU timber that may hinder normal road renovation and maintenance operations as identified on Exhibit C7 as the 'Clearing and Grubbing Limits', will be grubbed and removed or cut below subgrade per Clearing and Grubbing Specifications (200). Any damage that occurs to the road subgrade during stump removal will be properly repaired. **Do not grub any stumps along BST roads.** Any loose material that remains on site shall be compacted or disposed of at areas designated by the Authorized Officer. Stumps that will not hinder normal road maintenance operations can be left in place.

All disturbed areas shall be seeded and mulched per Erosion Control Specifications (1700) and Soil Stabilization Specifications (1800). All remaining brush and limbs from tree removal operations shall

either be chipped or piled and burned in locations designated by the Authorized Officer or lopped and scattered below the road in accordance with roadside brushing disposal methods in the Roadside Brushing Specifications (2100). No debris, brush, or limbs shall be placed or stacked on the cut-bank. All work shall comply with the contract Special Provisions, Specifications, and Exhibits.
*Generally: refers to any tree ≤ 24" DBH hindering road renovation/construction activities (typically within the 4' Roadside Brushing extents) can be cut and removed.

37-6-36.00 Road Seg J – Spencer Creek – AGG – Sub: 15Ft – Ditch: 0Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping.
0.06	Begin unit 03-01 boundary on right.
0.15	End unit 03-01 boundary on right.
0.19	End pre-haul road renovation.

39-5-06.00 Road Seg A-E – Cedar Flat – BST – Sub: 16Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ Cedar Flat County Road and Jct. w/ BLM Road #39-5-06.01 on right. Begin pre-haul road renovation which includes clearing and reshaping ditch lines; clearing all culvert inlets and outlets; and cleaning all debris or obstructions from inside culverts. Ditch material should be bunched, loaded, and hauled to waste disposal sites approved by the Authorized Office. **Be aware of buried utilities on this road – have locates performed prior to any excavations.**
0.09	Existing culvert.
0.20	Existing culvert.
0.22	Existing culvert.
0.31	Jct. w/ private unnumbered road on left.
0.37	Existing culvert.
0.41	Existing culvert.
0.52	Existing culvert.
0.59	Jct. w/ private unnumbered road right (gated).
0.62	Existing culvert.
0.69	Existing culvert.
0.74	Jct. w/ BLM Road #39-5-06.02 on left.
0.83	Property line (into BLM). End segment A.
0.84	Exiting culvert.
0.97	Existing culvert. Wildcat Creek.
1.01	Waste Disposal Site on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
1.09	Existing culvert.
1.12	Existing culvert.
1.28	Existing culvert.
1.44	Existing culvert.
1.51	Existing culvert.
1.64	Existing culvert.
1.80	Existing culvert.
1.99	Existing culvert.
2.04	Begin unit 12-05 boundary on right.

2.07 Jct. w/ BLM Road #39-6-12.02 on left.
2.09 Begin unit 12-05 boundary on left.
2.13 Existing culvert.
2.25 Existing culvert.
2.33 End unit 12-05 boundary on right.
2.34 End unit 12-05 boundary on left.
2.40 Existing culvert.
2.48 Jct. w/ BLM Road #39-6-12.03 on left.
2.55 Jct. w/ BLM Road #39-6-12.04 on right. Begin unit 12-01 boundary on right.
2.64 Existing culvert.
2.67 End segment B.
2.70 End unit 12-01 boundary on right.
2.71 Existing culvert.
2.83 Existing culvert.
2.98 Existing culvert.
3.06 Existing culvert.
3.15 Existing culvert.
3.17 Jct. w/ BLM Road #39-6-01.05 on right.
3.20 Existing culvert.
3.25 Existing culvert.
3.33 Existing culvert.
3.36 Existing culvert.
3.45 Existing culvert.
3.58 Existing culvert.
3.69 Existing culvert.
3.75 Existing culvert.
3.80 Existing culvert.
3.88 End Segment C. Waste Disposal Site on right. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
3.93 Existing culvert.
3.97 Jct. w/ BLM Road #39-6-01.07 on right.
4.00 Begin unit 01-02 boundary on right.
4.05 Existing culvert.
4.16 Existing culvert.
4.19 End unit 01-02 boundary on right.
4.27 Existing culvert.
4.39 Existing culvert.
4.45 Existing culvert.
4.51 Jct. w/ BLM Road #39-6-01.00 on right and jct. w/ BLM Road #39-6-12.01 on left.
4.59 Existing culvert.
4.67 Begin unit 12-02 boundary on left.
4.69 Jct. w/ BLM Road #39-6-12.00 on right.
4.70 Existing culvert.
4.75 End unit 12-02 boundary on left.
4.79 Existing culvert.
4.80 Jct. w/ BLM road #39-6-11.00 on left.
4.86 Existing culvert.
5.00 Existing culvert.
5.16 Existing culvert.

5.22 Property line (into Private).
5.30 Existing culvert.
5.39 Existing culvert.
5.48 Jct. w/ private unnumbered road on left.
5.51 Existing culvert.
5.61 Jct. w/ private unnumbered road on right.
5.88 Existing culvert.
6.19 Jct. w/ BLM Road #39-6-02.02 on left.
6.21 Property line (into BLM). End segment D. Begin unit 03-01 boundary on right and begin unit 03-03 boundary on left.
6.35 End unit 03-03 boundary on left.
6.45 Existing culvert.
6.48 End unit 03-01 boundary on right.
6.50 Existing culvert.
6.60 Existing culvert.
6.66 Begin unit 03-01 boundary on right.
6.71 End unit 03-01 boundary on right.
6.73 Jct. w/ BLM Road #37-6-36.00 on right. Waste Disposal Sight (WDS) on right. Place any waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
6.96 Jct. w/ BLM Road #39-6-03.00 on left. End pre-haul road renovation.

39-5-06.02 Road Seg A – Cedar Bill – AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.06	Existing culvert.
0.18	Existing culvert. Wildcat Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
0.26	Property line (into BLM).
0.31	Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
0.42	Existing culvert.
0.57	Jct. w/ BLM Road #39-5-07.01 on left. Existing 18" culvert. Remove and replace with a 24" x 44' Aluminized 16-gauge CMP with a 20' aluminized full round downspout per contract details and specifications. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.66	Existing 18" culvert. Remove and replace with a 36" x 50' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.71	Begin unit 07-01 boundary on left.

0.80 End unit 07-01 boundary on left.
0.86 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.90 End pre-haul road renovation.

39-5-07.00 Road Seg A-C2 – Lone Creek – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description
0.00 Jct. w/ Caves Camp County Road. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. **Be aware of buried utilities on this road – have locates performed prior to any excavations.**
0.00 Existing culvert.
0.01 Jct. w/ private unnumbered road on right.
0.03 Existing culvert.
0.07 Jct. w/ private unnumbered road on left.
0.09 Existing BLM pipe gate (seasonally closed), Gate 037.
0.10 Jct. w/ private unnumbered road on left.
0.11 **Overhead powerlines.**
0.13 Existing culvert.
0.16 Existing 18" culvert. Remove and replace with a 24" x 46' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.23 Existing 18" culvert. Remove and replace with a 24" x 46' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.32 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP with a 10' aluminized full round downspout per contract details and specifications. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.39 Existing 18" culvert. Remove and replace with a 24" x 36' Aluminized 16-gauge CMP with a 10' aluminized full round downspout per contract details and specifications. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in

place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.

0.50 Existing culvert. Tree Branch Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.

0.56 Property line (into BLM). Existing cattleguard.

0.61 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.

0.62 Begin unit 17-03 boundary on right.

0.63 Jct. w/ Temporary Road 17-03A on right (to be constructed).

0.68 End unit 17-03 boundary on right.

0.70 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.

0.83 Jct. w/ BLM Road #39-5-17.00 on left.

0.98 Existing culvert.

1.00 Begin unit 17-03 boundary on right.

1.04 End unit 17-03 boundary on right.

1.05 Existing 18" culvert. Remove and replace with a 24" x 46' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.

1.10 Begin unit 17-03 boundary on right.

1.11 Existing culvert.

1.16 End unit 17-03 boundary on right.

1.19 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.

1.21 Jct. w/ BLM Road #39-5-17.01 on left. End segment A.

1.26 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.

1.29 Begin unit 17-03 boundary on right.

1.37 Existing culvert.

1.43 End unit 17-03 boundary on right.

1.46 Jct. w/ BLM Road #39-5-18.00 on right.

1.49 Waste Disposal Site on right. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.

1.52 Existing culvert.

1.55 Begin unit 17-03 boundary on left.

1.58 Begin unit 17-03 boundary on right.

1.64 End unit 17-03 boundary on right.

1.65 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract

specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.

1.68 End unit 17-03 boundary on left.
1.71 Property line (into Private).
1.72 Jct. w/ private unnumbered road on left.
1.73 Existing culvert. Tree Branch Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
1.78 Existing 18" culvert. Remove and replace with a 24" x 46' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
1.81 Existing culvert.
1.82 Jct. w/ private unnumbered road on left.
1.85 Existing culvert.
1.89 Existing 18" culvert. Remove and replace with a 24" x 50' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
2.00 Property line (into BLM). End segment B.
2.01 Existing culvert. Jct. w/ BLM Road #39-5-19.02 on right.
2.09 Existing culvert.
2.16 Existing culvert.
2.17 Begin unit 19-01 boundary on left.
2.21 Existing culvert.
2.30 Begin unit 19-01 boundary on right.
2.31 Existing culvert.
2.38 End Unit 19-01 boundary on right. Begin Roadside Management Unit (RMU) on the right.
2.41 Existing culvert.
2.47 Existing culvert.
2.52 End unit 19-01 boundary on left. End segment C1.
2.53 Begin unit 19-01 boundary on left.
2.54 Existing culvert.
2.65 Existing culvert.
2.71 Existing culvert.
2.72 End Roadside Management Unit (RMU) on the right.
2.89 End unit 19-01 boundary on left.
2.90 Jct. w/ BLM road #39-5-19.07 on left.
2.91 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement,

properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.

2.92 End pre-haul road renovation.

39-5-07.01 Road – Cedar Bill Spur A – AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.02. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.04	Existing culvert.
0.07	Waste Disposal Site on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.08	Begin unit 07-01 boundary on right.
0.18	End unit 07-01 boundary on right.
0.19	Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.29	Jct. w/ BLM Road #39-5-07.03 on left.
0.30	Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.35	Existing culvert.
0.37	Remove 50CY slide and haul to WDS located at milepost 0.07 or 0.60 on BLM Road #39-5-07.01.
0.42	Existing culvert. Remove 100CY slide and haul to WDS located at milepost 0.07 or 0.60 on BLM Road #39-5-07.01.
0.48	Existing culvert.
0.50	Remove 20CY slide and haul to WDS located at milepost 0.07 or 0.60 on BLM Road #39-5-07.01.
0.55	Begin unit 07-01 boundary on right.
0.56	Existing culvert.
0.60	Waste Disposal Site on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.63	Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall

consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.

0.65 Existing 18" culvert. Remove and replace with a 24" x 36' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.

0.66 End unit 07-01 boundary on right.

0.71 Major slide that blocks road. End pre-haul road renovation.

39-5-14.00 Road Seg A – Rock Creek – BST – Sub: 16Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ East Fork County Road. Begin road renovation which includes clearing and reshaping ditch lines; clearing all culvert inlets and outlets; and cleaning all debris or obstructions from inside culverts. Ditch material should be bunched, loaded, and hauled to waste disposal sites approved by the Authorized Office. **Be aware of buried utilities on this road – have locates performed prior to any excavations.**
0.08	Jct. w/ private unnumbered road on left.
0.15	Jct. w/ private unnumbered road on left.
0.18	Existing culvert.
0.24	Property line (into BLM).
0.47	Jct. w/ unnumbered road on left.
0.51	Jct. w/ BLM Road #39-5-15.02 on right.
0.53	Existing culvert.
0.58	Property line (into Private).
0.61	Jct. w/ private unnumbered road on right.
0.70	Jct. w/ private unnumbered road on right.
0.70	Existing culvert.
0.82	Jct. w/ private unnumbered road on left.
0.86	Jct. w/ private unnumbered road on right.
0.88	Jct. w/ private unnumbered road on right.
0.93	Jct. w/ private unnumbered road on left.
0.99	Existing culvert.
1.10	Jct. w/ private unnumbered road on right.
1.12	Jct. w/ private unnumbered road on left.
1.17	Property line (into BLM).
1.27	Existing culvert.
1.33	Jct. w/ BLM Road #39-5-22.00 on left.
1.34	End pre-haul road renovation.

39-5-17.00 Road – Lone Creek East – AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-07.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Upon completion of all other road renovation items and approval of the road subgrade, properly surface,

water, and roll a 15' wide by a 4" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 5 turnouts approximately 10' wide by 50' long with 25' tapers.

0.04 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.

0.16 Existing culvert. Lone Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.

0.20 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP with a 10' aluminized full round downspout per contract details and specifications. No individual surfacing required as road is scheduled to have maintenance lift of aggregate placed on it after culvert replacement.

0.24 Existing 18" culvert. Remove and replace with a 24" x 36' Aluminized 16-gauge CMP with a 10' aluminized full round downspout per contract details and specifications. No individual surfacing required as road is scheduled to have maintenance lift of aggregate placed on it after culvert replacement.

0.32 Existing 18" culvert. Remove and replace with a 24" x 34' Aluminized 16-gauge CMP and lower new culvert outlet 2' per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. No individual surfacing required as road is scheduled to have maintenance lift of aggregate placed on it after culvert replacement.

0.34 Jct. w/ BLM Road #39-5-17.02 on left.

0.39 Existing 18" culvert. Remove and replace with a 24" x 34' Aluminized 16-gauge CMP and lower new culvert outlet 2' per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. No individual surfacing required as road is scheduled to have maintenance lift of aggregate placed on it after culvert replacement.

0.49 Existing culvert.

0.52 Jct. w/ BLM Road #39-5-17.04 on right

0.53 Jct. w/ BLM Road #39-5-17.03 on left. Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.

0.55 Existing 18" culvert. Remove and replace with a 24" x 36' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. No individual surfacing required as road is scheduled to have maintenance lift of aggregate placed on it after culvert replacement.

0.59 Existing culvert.

0.62 Existing culvert.

0.67 Existing culvert.

0.77 Jct. w/ BLM Road #39-5-17.05 on left. Existing culvert. End unit 17-01 boundary on left.

0.78 Begin Roadside Management Unit (RMU) on the left.

0.85 End Roadside Management Unit (RMU) on the left.

0.87 Existing culvert.

0.89 Begin Roadside Management Unit (RMU) on the left.

0.92 End Roadside Management Unit (RMU) on the left.

0.95 Existing culvert.

0.97 Existing culvert.

0.99 Existing culvert.

1.01 Begin Roadside Management Unit (RMU) on the left.

1.06 End Roadside Management Unit (RMU) on the left.
1.08 End pre-haul road renovation and surfacing.

39-5-17.03 Road – Lone Creek Spur – AGG – Sub: 15Ft – Ditch: 0Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-17.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping.
0.05	Jct. w/ Temporary Road 17-01 on right (to be constructed).
0.06	End unit 17-01 boundary on right
0.07	End pre-haul road renovation.

39-5-17.04 Road – Lone Creek Spur – AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-17.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.08	Existing culvert.
0.13	Existing culvert.
0.22	Existing culvert.
0.28	Begin unit 17-02 boundary on left.
0.32	Existing culvert.
0.42	End unit 17-02 boundary on left.
0.48	Existing culvert.
0.54	Existing culvert.
0.55	Remove 10CY slide and haul to WDS located at milepost 0.53 on BLM Road #39-5-17.00.
0.59	Existing culvert.
0.64	Fill Slope Failure approximately 20ft x 10ft x 15ft. Repair failing shoulder. Rebuild fill failure by benching out and rebuilding fill with 150CY of Class 3 riprap.
0.70	Jct. w/ Temporary Road 17-02A on left (to be constructed).
0.71	Existing culvert.
0.80	Remove 10CY slide and haul to WDS located at milepost 0.53 on BLM Road #39-5-17.00.
0.82	Begin unit 17-04 boundary on left.
0.86	End unit 17-04 boundary on left.
0.91	Existing culvert.
0.94	End pre-haul road renovation.

39-5-17.05 Road – Lone Creek Spur – AGG – Sub: 15Ft – Ditch: 0Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-17.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping. Upon completion of all other road renovation items and approval of the road subgrade, properly surface, water, and roll a 15’ wide by a 4” compacted depth aggregate surface course using gradation C-1 (1.5” minus) from Table 1204 in Exhibit C18. No turnouts need to be surfaced.
0.04	End unit 17-01 boundary on left.
0.05	End pre-haul road renovation and surfacing.

39-5-17.06 Road – Lone Creek Spur – NAT – Sub: 15Ft – Ditch: 0Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-07.00. Begin pre-haul road improvement which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping. Clear and grub all trees growing on road prism. Upon completion of all other road improvement items and approval of the road subgrade, properly surface, water, and roll a 15' wide by an 8" compacted depth aggregate base course using gradation A (4" minus) from Table 903 in Exhibit C18. Surface 1 turnout approximately 10' wide by 50' long with 25' tapers. Upon completion of base aggregate placement and approval, properly surface, water, and roll a 14' wide by a 4" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 1 turnout approximately 10' wide by 50' long with 25' tapers.
0.03	Begin unit 17-03 boundary on right.
0.06	Begin heavy rutting.
0.11	End heavy rutting. Remove 100CY slide and haul to WDS located at milepost 1.49 on BLM Road #39-5-07.00.
0.12	Fill Slope failure, 40ft x 10ft x 10ft. Repair failing shoulder. Rebuild fill failure by benching out and rebuilding fill with 200 CY of riprap.
0.13	Fill Slope failure, 40 ft x 5ft x 15ft. Repair failing shoulder. Rebuild fill failure by benching out and rebuilding fill with 150 CY of riprap.
0.14	Fill Slope failure, 30 ft x 5ft x 20ft. Repair failing shoulder. Rebuild fill failure by benching out and rebuilding fill with 150 CY of riprap.
0.15	Jct. w/ Temporary Road 17-03B on right (to be constructed).
0.28	End unit 17-03 boundary on right. End pre-haul road improvement and surfacing.

39-5-18.01 Road Seg A-D – Low Divide – BST – Sub: 16Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ Caves Camp County Road. Jct. w/ old Caves Camp County Road on left. Begin pre-haul road renovation which includes clearing and reshaping ditch lines; clearing all culvert inlets and outlets; and cleaning all debris or obstructions from inside culverts. Ditch material should be bunched, loaded, and hauled to waste disposal sites approved by the Authorized Office. **Be aware of buried utilities on this road – have locates performed prior to any excavations. DO NOT GRUB STUMPS WITHIN ROADSIDE MANAGAMENT UNITS (RMUs).**
0.02	Jct. w/ old Caves Camp County Road on left.
0.03	Existing culvert.
0.04	Large 3-sided box. West Fork Williams Creek.
0.06	Jct. w/ private unnumbered road on left.
0.08	Jct. w/ private unnumbered road on right.
0.20	Large 3-sided box. Right Hand Fork West Fork Williams Creek.
0.22	Property line (into BLM). Begin unit 13-02 boundary on left.
0.24	Jct. w/ unnumbered road on left.
0.30	Existing culvert.
0.34	Existing culvert.
0.39	Jct. w/ BLM Road # 39-6-13.00 on right. End segment A.
0.41	Jct. w/ BLM Road # 39-6-13.00 on right.
0.48	Existing culvert.
0.54	Existing culvert.
0.57	Jct. w/ unnumbered road on left.
0.59	Existing culvert.

0.61 End unit 13-02 boundary on left.
0.62 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.64 Existing culvert.
0.69 Existing culvert.
0.73 Existing culvert.
0.81 Existing culvert.
0.87 Existing culvert.
0.91 Existing culvert.
0.96 Existing culvert.
1.03 Jct. w/ unnumbered road on right.
1.07 Existing culvert.
1.13 Existing culvert.
1.18 Jct. w/ unnumbered road on left.
1.19 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic. Do not pile on private property.
1.24 Property line (into Private). Existing culvert.
1.33 Existing culvert.
1.37 Existing culvert.
1.44 Existing culvert.
1.46 Jct. w/ private unnumbered road on left.
1.52 Existing culvert.
1.56 Existing culvert.
1.60 Property line (into BLM).
1.65 Existing culvert.
1.67 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
1.70 Existing culvert.
1.79 Existing culvert.
1.81 Property line (into Private).
1.85 Existing culvert.
1.88 Existing culvert.
1.91 Existing culvert.
1.96 Existing culvert.
1.99 Jct. w/ private unnumbered road on left.
2.02 Existing culvert.
2.04 Existing culvert.
2.19 Existing culvert.
2.23 Jct. w/ BLM Road #39-6-11.00 on right.
2.25 Existing culvert.
2.34 Existing culvert.
2.39 Existing culvert.
2.45 Existing culvert.
2.46 Property line (into BLM). End segment B.
2.49 Begin Roadside Management Unit (RMU) on left. Do not grub stumps within this RMU.
2.52 Existing culvert.
2.56 End Roadside Management Unit (RMU) on left. Jct. w/ BLM Road #39-6-25.05 on left. Begin unit 25-02 boundary on left.

2.61 Existing culvert.
2.65 Existing culvert.
2.71 End unit 25-02 boundary on left.
2.79 Existing culvert.
2.83 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
2.84 Existing culvert.
2.89 Existing culvert.
2.91 Existing culvert.
2.94 Begin unit 25-04 boundary on left.
3.01 End unit 25-04 boundary on left.
3.05 Existing culvert.
3.08 Jct. w/ unnumbered road on left.
3.09 Begin unit 25-04 boundary on left.
3.17 End unit 25-04 boundary on left.
3.19 Existing culvert.
3.23 Jct. w/ BLM Road #39-6-25.00 on left.
3.30 Begin Roadside Management Unit (RMU) on the left. Do not grub stumps within this RMU.
3.32 Jct. w/ BLM Road #39-6-25.04 on right.
3.33 Existing culvert.
3.39 Existing culvert.
3.48 Existing culvert.
3.62 End Roadside Management Unit (RMU) on the left.
3.63 Existing culvert
3.64 Property line (into Private). End segment C.
3.69 Existing culvert.
3.74 Existing culvert.
3.75 Jct. w/ private unnumbered road on left.
3.80 Jct. w/ BLM Road #39-6-36.00 straight. End pre-haul road renovation.

39-5-19.00 Road Seg A-C – S/M P line – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description
0.00 Jct. w/ old Caves Camp County Road. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.01 Existing BLM pipe gate (open).
0.04 Waste Disposal Site (WDS) on right. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.08 Bridge. West Fork Williams Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
0.19 Existing culvert.
0.24 Begin unit 19-02 boundary on left.
0.28 End unit 19-02 boundary on left.
0.33 Existing culvert.
0.35 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
0.46 Existing culvert.
0.49 Jct. w/ BLM Road #39-5-19.03 road on left.

0.54 Existing culvert.
0.61 Begin unit 19-02 boundary on left.
0.67 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.77 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.84 Jct. w/ BLM Road #39-5-19.04 on right.
0.95 Existing culvert.
1.00 Existing culvert.
1.07 End unit 19-02 boundary on left and right.
1.09 Existing culvert.
1.18 Existing culvert.
1.24 Existing culvert.
1.25 Property line (into Private). Jct. w/ private unnumbered road on left. End segment A.
1.30 Existing culvert.
1.36 Existing culvert.
1.47 Jct. w/ private unnumbered road on right.
1.62 Existing culvert. Property line (into BLM). Begin unit 19-02 boundary on left. End segment B.
1.66 End unit 19-02 boundary on the left.
1.74 Existing culvert.
1.76 Jct. w/ BLM Road #39-5-19.05 on left. End pre-haul road renovation.

39-5-19.02 Road – Lone Creek C Spur – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description
0.00 Jct. w/ BLM Road #39-5-07.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.05 Existing culvert.
0.07 Water dip.
0.20 Water dip.
0.28 Existing culvert.
0.33 Existing culvert.
0.39 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall

consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.

0.43 Waste Disposal Site (WDS) on right. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.52 Existing culvert.
0.55 Begin unit 19-01 boundary on left.
0.60 Water dip.
0.63 Water dip.
0.71 Water dip.
0.78 Existing culvert.
0.83 Existing culvert.
0.86 Existing culvert.
0.88 Existing culvert.
0.91 Existing 18" culvert. Remove and replace with a 24" x 36' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 120' long by 4" depth aggregate cap which shall consist of 3/4"-minus crushed rock (40 CYs) compacted in place from BLM stockpile at milepost 0.50 on BLM Road #39-5-22.00 per contract specifications and details.
0.96 Water dip.
1.01 End unit 19-01 boundary on left.
1.02 Water dip.
1.09 Existing culvert.
1.12 End pre-haul road renovation.

39-5-19.04 Road – S/M A Line – AGG – Sub: 15Ft – Ditch: 0Ft

MP Description

0.00 Jct. w/ BLM Road #39-5-19.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Existing culvert.
0.14 New private road staked to be constructed by private on right.
0.25 End unit 19-02 boundary on left.
0.31 Waste Disposal Site (WDS) on right. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic. End pre-haul road renovation.

39-5-19.05 Road – S/M C Line – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description

0.00 Jct. w/ BLM Road #39-5-19.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.06 Existing culvert.
0.07 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.

0.09 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
0.13 Existing culvert.
0.16 Jct. w/ BLM Road #39-5-19.6 on left. End pre-haul road renovation.

39-5-19.06 Road – S/M D Line – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description
0.00 Jct. w/ BLM Road #39-5-19.05. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.08 Existing culvert.
0.16 Existing culvert.
0.17 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.27 End pre-haul road renovation.

39-5-19.07 Road – Private Spur – NAT – Sub: 15Ft – Ditch: 0Ft

MP Description
0.00 Jct. w/ BLM Road #39-5-07.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping.
0.01 Earth barricade. Replace after use.
0.04 End unit 19-01 boundary on left.
0.05 Water bar.
0.10 Water bar. Property line (into Private). End pre-haul road renovation.

39-5-22.00 Road Seg A-B – Glade Fork – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description
0.00 Jct. w/ BLM Road #39-5-14.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. **Be aware of buried utilities on this road – have locates performed prior to any excavations.**
0.06 Bridge, Rock Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
0.13 Reshape ditch out on right.
0.17 Jct. w/ BLM Road #39-5-22.01 on left.
0.35 Existing culvert.
0.50 BLM stockpile on left, approximately 5,000CY. Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.51 Existing culvert.
0.62 Existing culvert.
0.63 Begin Roadside Management Unit (RMU) on the left.
0.64 Existing culvert. Existing BLM pipe gate (seasonally closed), gate 028. Begin Roadside Management Unit (RMU) on the right.
0.70 Existing culvert.
0.76 Existing culvert.

0.82 Existing culvert.
0.90 Existing culvert.
0.94 End Roadside Management Unit (RMU) on the left.
0.95 Existing culvert. End Roadside Management Unit (RMU) on the right.
1.00 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
1.02 Begin Roadside Management Unit (RMU) on the left.
1.03 Begin Roadside Management Unit (RMU) on the right.
1.10 Existing culvert.
1.21 Existing culvert.
1.28 Existing culvert.
1.33 Jct. w/ BLM Road #39-5-27.00 on right. End segment A.
1.37 End Roadside Management Unit (RMU) on the right.
1.38 End Roadside Management Unit (RMU) on the left.
1.40 Existing culvert. Glade Fork Rock Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
1.43 Begin Roadside Management Unit (RMU) on the left.
1.44 Existing culvert.
1.48 Begin Roadside Management Unit (RMU) on the right.
1.54 Existing culvert.
1.63 Jct. w/ BLM Road #39-5-27.01 on left.
1.75 Existing culvert.
1.87 Existing culvert.
1.92 End Roadside Management Unit (RMU) on the left and right.
1.93 Existing culvert.
1.94 Begin Roadside Management Unit (RMU) on the left and right.
2.02 Existing culvert.
2.13 Existing culvert.
2.22 End Roadside Management Unit (RMU) on the left and right.
2.25 Existing culvert.
2.36 Existing culvert. Glade Fork Rock Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
2.39 Begin Roadside Management Unit (RMU) on the left and right.
2.41 Existing culvert.
2.43 End Roadside Management Unit (RMU) on the left. Begin unit 34-02 boundary on left.
2.51 Existing culvert. Begin unit 34-02 boundary on right. End Roadside Management Unit (RMU) on the right.
2.55 Jct. w/ BLM Road #39-05-27.02 on right.
2.62 End unit 34-02 boundary on left. Begin Roadside Management Unit (RMU) on the left.
2.64 Existing culvert.
2.66 End unit 34-02 boundary on right. Begin Roadside Management Unit (RMU) on the right.
2.70 Existing culvert.
2.76 Existing culvert. End Roadside Management Unit (RMU) on the left and right.
2.80 Existing culvert.
2.81 Existing culvert.
2.82 Begin Roadside Management Unit (RMU) on the left and right.
2.85 Existing culvert.
2.91 Existing culvert.
2.94 Existing culvert.

2.97 Water dip.
2.98 End Roadside Management Unit (RMU) on the left.
3.03 End Roadside Management Unit (RMU) on the right.
3.06 Water dip.
3.07 Existing culvert. Glade Fork Rock Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
3.11 Begin Roadside Management Unit (RMU) on the left and right.
3.20 End Roadside Management Unit (RMU) on the right. Begin unit 34-01 boundary on right.
3.23 Existing culvert.
3.27 Existing culvert.
3.35 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
3.37 Existing culvert.
3.44 Waste Disposal Site (WDS) on right. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
3.45 Junction w/ BLM Road #39-5-34.02 on left.
3.47 End unit 34-01 boundary on right. Begin Roadside Management Unit (RMU) on the right.
3.50 Existing culvert.
3.60 Existing culvert.
3.74 Existing culvert.
3.81 Existing culvert.
3.88 Existing culvert.
3.94 Existing culvert.
4.00 Existing culvert.
4.06 Existing culvert.
4.07 End Roadside Management Unit (RMU) on the left and right.
4.09 Existing culvert. Glade Fork Rock Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
4.13 Begin Roadside Management Unit (RMU) on the left and right.
4.22 Existing culvert.
4.30 Existing culvert.
4.37 Existing culvert. Jct. w/ BLM Road #39-5-34.00 on right.
4.39 Jct. w/ BLM Road #39-5-34.01 on right.
4.41 End Roadside Management Unit (RMU) on the right.
4.42 End Roadside Management Unit (RMU) on the left. End pre-haul road renovation.

39-5-27.02 Road – Pandora – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description
0.00 Jct. w/ BLM Road #39-5-22.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.01 Existing culvert.
0.02 End unit 34-02 boundary on right.
0.03 End pre-haul road renovation.

39-5-31.01 Road – Little Sugarloaf Spur – AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-6-36.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.01	BLM stockpile on right, approximately 200CY.
0.05	Existing culvert.
0.06	End unit 31-01 boundary on right.
0.07	End pre-haul road renovation.

39-5-34.00 Road – Pandora Spur – AGG – Sub: 15Ft – Ditch: 0Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-22.00. Begin pre-haul road improvement which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping. Begin Roadside Management Unit (RMU) on the left and right.
0.02	Earth barricade. Replace after use.
0.20	End Roadside Management Unit (RMU) on the right. Begin unit 34-03 boundary on right.
0.30	End unit 34-03 boundary on right. End Roadside Management Unit (RMU) on the left.
0.35	Begin unit 34-03 boundary on left.
0.38	Begin unit 34-03 boundary on right.
0.50	End unit 34-03 boundary on right.
0.52	End unit 34-03 boundary on left.
0.56	Existing culvert.
0.59	End pre-haul road improvement.

39-5-34.01 Road – Pandora Spur – AGG – Sub: 15Ft – Ditch: 0Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-22.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping. Begin Roadside Management Unit (RMU) on the left and right.
0.02	Earth barricade. Replace after use.
0.14	Jct. w/ Temporary Road 34-03 on left (to be constructed).
0.15	End Roadside Management Unit (RMU) on the left and right. End pre-haul road renovation.

39-6-01.00 Road – Swamp Creek A – AGG – Sub: 15Ft – Ditch: 0Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping. Existing culvert.
0.01	Jct. w/ BLM Road #39-6-01.01 on left.
0.03	Private mega-gate.
0.04	Water dip.
0.06	Water dip.
0.10	Water dip.
0.15	Water dip.
0.22	Begin unit 01-02 boundary on left.

0.24 Begin unit 01-02 boundary on right.
0.28 Water dip.
0.36 Water dip.
0.38 End unit 01-02 boundary on right.
0.41 Water dip.
0.45 End unit 01-02 boundary on left.
0.46 Existing culvert.
0.47 Begin unit 01-02 boundary on left and right.
0.49 Property line (into Private). End unit 01-02 boundary on left and right. End pre-haul road renovation.

39-6-01.01 Road – NAT – Sub: 15Ft – Ditch: 0Ft

MP	Description
0.00	Jct. w/ BLM Road #39-6-01.00. Begin pre-haul road improvement which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; and roadside brushing and chipping. Minor road widening and grade control may be needed. Clear and grub all trees growing on road prism.
0.02	Remove slash pile barricade. Replace with earth barricade after use.
0.21	Begin unit 01-02 boundary on right.
0.26	Property line (into Private). End unit 01-02 on right. End pre-haul road improvement.

39-6-02.02 Road – Cedar Flat P Spur – NAT – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Existing culvert.
0.03	Property line (into BLM). Begin unit 03-03 boundary on left and right.
0.10	Water dip.
0.19	Existing culvert. End unit 03-03 boundary on left.
0.33	Existing culvert.
0.37	Existing culvert.
0.43	End unit 03-03 boundary on right.
0.45	Water dip.
0.56	Water dip.
0.68	Existing culvert.
0.73	Water dip.
0.80	Water dip.
0.87	Begin unit 03-03 boundary on left.
0.89	End unit 03-03 boundary on left. End pre-haul road renovations.

39-6-03.00 Road - Holcomb Peak – AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Existing culvert.

0.10 Existing culvert.
0.17 Existing culvert.
0.20 Existing culvert.
0.30 Existing culvert.
0.41 Existing culvert.
0.46 Existing culvert.
0.53 Existing culvert.
0.68 Property line (into Private).
0.73 Existing culvert.
0.79 Existing culvert.
0.83 Existing culvert.
0.89 Existing culvert.
1.00 Property line (into BLM).
1.05 Existing culvert.
1.07 Jct. w/ BLM Road #39-6-09.02 on left.
1.09 Existing culvert.
1.22 Existing culvert.
1.31 Begin unit 09-03 boundary on right.
1.32 Existing culvert.
1.34 Unit 09-03 boundary on right.
1.43 Existing culvert.
1.47 Jct. w/ FS4609-940 road on left.
1.51 End unit 09-03 boundary on right.
1.53 Existing culvert.
1.58 Existing culvert.
1.63 Existing culvert.
1.74 End unit 09-03 boundary on left. End pre-haul road renovation.

39-6-09.02 Road – Bear Wallow – NAT – Sub: 15Ft – Ditch: 0Ft

0.00 Jct. w/ BLM Road #39-6-03.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.02 Mega-gate.
0.05 Property line (into Private).
0.06 Jct. w/ private unnumbered road on right.
0.09 Existing culvert.
0.22 Existing culvert.
0.38 Jct. w/ private unnumbered road on right.
0.56 Property line (into BLM). Begin unit 03-03 boundary on left and right.
0.68 End unit 03-03 boundary on left. Begin Roadside Management Unit (RMU) on the left.
0.70 End unit 03-03 boundary on right. Begin Roadside Management Unit (RMU) on the right.
0.77 Jct. w/ unnumbered road on right (barricaded).
0.95 Jct. w/ Temporary Road 03-03B on right (to be constructed). End Roadside Management Unit (RMU) on the left and right. End pre-haul road renovation.

39-6-11.00 Road Seg A-D – Bear Wallow –AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Begin Roadside Management Unit (RMU) on the left and right.
0.06	Exiting culvert.
0.10	Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.16	Existing culvert.
0.22	Jct. w/ BLM Road #39-6-11.01 on right. Existing culvert.
0.26	Existing culvert.
0.34	Existing culvert.
0.52	Existing 18" culvert. Remove and replace with a 24" x 36' Aluminized 16-gauge CMP with a 20' aluminized full round downspout per contract details and specifications. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 60' long by 4" depth aggregate cap which shall consist of 1-1/2"-minus crushed rock (20 CYs) compacted in place from an approved weed free commercial source per contract specifications and details.
0.58	End Roadside Management Unit (RMU) on the left and right.
0.59	Existing culvert.
0.60	Begin Roadside Management Unit (RMU) on the left.
0.63	End Roadside Management Unit (RMU) on the left.
0.65	Existing culvert.
0.67	Begin Roadside Management Unit (RMU) on the left.
0.75	BLM quarry on right.
0.78	Begin Roadside Management Unit (RMU) on the right.
0.82	BLM stockpile on left, approximately 200CY. Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.83	End Roadside Management Unit (RMU) on the left. Begin unit 11-01 boundary on left.
0.90	Jct. w/ BLM Road #39-6-11.03 on left.
0.91	Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.94	Existing culvert.
1.00	End Roadside Management Unit (RMU) on the right.
1.06	End unit 11-01 boundary on left. Existing culvert.
1.07	Begin Roadside Management Unit (RMU) on the left.
1.10	Begin Roadside Management Unit (RMU) on the right.
1.13	End Roadside Management Unit (RMU) on the left.
1.15	End Roadside Management Unit (RMU) on the right.
1.17	Existing culvert.
1.21	Existing 18" culvert. Remove and replace with a 24" x 36' Aluminized 16-gauge CMP with a 10' aluminized full round downspout per contract details and specifications. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 60' long by 4" depth aggregate cap which shall consist of 1-1/2"-minus crushed rock (20 CYs) compacted in place from an approved weed free commercial source per contract specifications and details.
1.23	Begin Roadside Management Unit (RMU) on the left and right.
1.25	Existing culvert.

1.27 End Roadside Management Unit (RMU) on the left. Begin unit 11-01 boundary on left.
1.29 End Roadside Management Unit (RMU) on the right.
1.31 End unit 11-01 boundary on left.
1.36 Existing culvert.
1.38 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
1.40 Begin Roadside Management Unit (RMU) on the left.
1.44 Existing 18" culvert. Remove and replace with a 24" x 46' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 60' long by 4" depth aggregate cap which shall consist of 1-1/2"-minus crushed rock (20 CYs) compacted in place from an approved weed free commercial source per contract specifications and details.
1.47 Property line (into Private). End Roadside Management Unit (RMU) on the left. End segment A.
1.56 Existing culvert. Bear Wallow Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
1.64 Existing culvert. Jct. w/ BLM Road #39-6-10.00 on left.
1.69 Property line (into BLM). Begin Roadside Management Unit (RMU) on the left.
1.73 Existing culvert.
1.84 Existing culvert.
1.94 Existing 18" culvert. Remove and replace with a 24" x 30' Aluminized 16-gauge CMP with a 20' aluminized full round downspout per contract details and specifications. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 60' long by 4" depth aggregate cap which shall consist of 1-1/2"-minus crushed rock (20 CYs) compacted in place from an approved weed free commercial source per contract specifications and details.
2.05 Existing culvert.
2.06 Jct. w/ BLM Road 39-6-11.04 on left.
2.15 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
2.16 Begin Roadside Management Unit (RMU) on the right.
2.24 Existing culvert.
2.26 Jct. w/ new private unnumbered road on right.
2.29 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP with a 20' aluminized full round downspout per contract details and specifications. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 60' long by 4" depth aggregate cap which shall consist of 1-1/2"-minus crushed rock (20 CYs) compacted in place from an approved weed free commercial source per contract specifications and details.
2.30 Property line (into Private). End Roadside Management Unit (RMU) on the left and right.
2.36 Existing culvert.
2.46 Existing culvert.
2.51 Existing culvert.
2.52 Property line (into BLM). Begin Roadside Management Unit (RMU) on the left.
2.68 Existing culvert. Bill Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
2.69 Begin Roadside Management Unit (RMU) on the right.
2.71 Jct. w/ unnumbered road on left.
2.74 End Roadside Management Unit (RMU) on the right.
2.77 Existing culvert.

2.81 Jct. w/ BLM Road #39-6-15.00 on left.
2.95 Existing culvert.
2.99 Existing culvert.
3.05 Begin Roadside Management Unit (RMU) on the right.
3.20 Existing culvert.
2.21 End Roadside Management Unit (RMU) on the right.
3.27 Existing 18" culvert. Remove and replace with a 24" x 46' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 60' long by 4" depth aggregate cap which shall consist of 1-1/2"-minus crushed rock (20 CYs) compacted in place from an approved weed free commercial source per contract specifications and details.
3.29 Begin Roadside Management Unit (RMU) on the right.
3.36 Existing culvert.
3.43 Existing culvert.
3.50 Existing culvert. End Roadside Management Unit (RMU) on the right.
3.51 End segment B.
3.55 Jct. w/ unnumbered road on left.
3.63 Existing culvert.
3.69 End Roadside Management Unit (RMU) on the left.
3.70 Property line (into Private).
3.71 Property line (into BLM). Begin Roadside Management Unit (RMU) on the left.
3.72 Begin Roadside Management Unit (RMU) on the right.
3.73 Existing culvert.
3.82 Existing culvert.
3.84 End Roadside Management Unit (RMU) on the right.
3.87 Existing culvert.
3.88 Begin Roadside Management Unit (RMU) on the right.
3.92 End Roadside Management Unit (RMU) on the right.
3.94 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic. End segment C.
4.07 Existing culvert.
4.18 Begin Roadside Management Unit (RMU) on the right.
4.21 Existing culvert.
4.23 Existing culvert.
4.25 End Roadside Management Unit (RMU) on the left and right.
4.26 Existing culvert.
4.28 Existing culvert.
4.30 Begin Roadside Management Unit (RMU) on the left and right.
4.31 End Roadside Management Unit (RMU) on the left. Begin unit 23-01 boundary on left.
4.32 Existing culvert.
4.36 Jct. w/ BLM Road #39-6-23.03 on right.
4.45 End unit 23-01 boundary on left. Begin Roadside Management Unit (RMU) on the left.
4.47 Existing culvert.
4.50 End Roadside Management Unit (RMU) on the left. Begin unit 23-01 boundary on left.
4.56 Existing culvert.
4.60 End unit 23-01 boundary on left. Begin Roadside Management Unit (RMU) on the left.
4.68 Existing culvert.

4.71 End Roadside Management Unit (RMU) on the left. Begin unit 23-04 boundary on left.
4.80 Existing culvert.
4.85 End unit 23-04 boundary on left. Begin Roadside Management Unit (RMU) on the left.
4.87 End Roadside Management Unit (RMU) on the left.
4.90 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
4.95 Begin Roadside Management Unit (RMU) on the left.
5.02 Existing culvert.
5.07 End Roadside Management Unit (RMU) on the left. Begin unit 23-04 boundary on left.
5.09 End Roadside Management Unit (RMU) on the right. Begin unit 23-04 boundary on right.
5.11 End unit 23-04 boundary on left. Begin Roadside Management Unit (RMU) on the left.
5.12 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 60' long by 4" depth aggregate cap which shall consist of 1-1/2"-minus crushed rock (20 CYs) compacted in place from an approved weed free commercial source per contract specifications and details.
5.13 End Roadside Management Unit (RMU) on the left. Begin unit 23-04 boundary on left.
5.15 End unit 23-04 boundary on right.
5.17 Property line (into Private). End unit 23-04 boundary on left. Existing culvert.
5.24 Property line (into BLM). Begin unit 23-04 boundary on left.
5.25 Jct. w/ BLM Road #39-6-26.00 on right.
5.35 Jct. w/ BLM Road #39-6-25.04 on right.
5.37 Begin Roadside Management Unit (RMU) on the right.
5.39 Existing culvert.
5.50 End unit 23-04 boundary on left.
5.51 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. Upon approval of the roadbed after the culvert replacement, properly place, water, and roll a 15' wide by 60' long by 4" depth aggregate cap which shall consist of 1-1/2"-minus crushed rock (20 CYs) compacted in place from an approved weed free commercial source per contract specifications and details.
5.53 End Roadside Management Unit (RMU) on the right.
5.54 Existing culvert.
5.55 Existing culvert.
5.56 Begin Roadside Management Unit (RMU) on the right.
5.59 End Roadside Management Unit (RMU) on the right.
5.61 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
5.62 Begin Roadside Management Unit (RMU) on the right.
5.67 Existing culvert.
5.68 Begin Roadside Management Unit (RMU) on the left.
5.73 Existing culvert.
5.75 Existing culvert.
5.81 Existing culvert.
5.90 Existing culvert.
5.98 Existing culvert.

6.01 End Roadside Management Unit (RMU) on the left and right.
6.05 Jct. w/ BLM road #39-6-23.00 on right and Jct. w/ BLM Road #39-6-23.02 on left.
6.13 Existing culvert.
6.15 End unit 23-05 boundary on right. Begin Roadside Management Unit (RMU) on the right.
6.19 End unit 23-05 boundary on left.
6.24 Existing culvert.
6.37 Existing culvert.
6.50 Begin Roadside Management Unit (RMU) on the left.
6.53 Jct. w/ BLM Road #39-6-23.01 on left.
6.61 Existing culvert.
6.67 Existing culvert.
6.74 Existing culvert.
6.83 Existing culvert.
6.91 Existing culvert.
6.92 End Roadside Management Unit (RMU) on the right.
6.96 End Roadside Management Unit (RMU) on the left.
6.98 Existing culvert. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
6.99 Property line (into Private).
7.05 Existing culvert.
7.06 Jct. w/ private unnumbered road on right.
7.14 Existing culvert.
7.24 Existing culvert.
7.27 Existing culvert.
7.42 Existing culvert.
7.49 Existing culvert. Jct. w/ BLM Road #39-5-18.01 left and right. End pre-haul road renovation.

39-6-11.03 Road – Bear Wallow F Spur – AGG – Sub: 15Ft – Ditch: 0Ft

MP Description
0.00 Jct. w/ BLM Road #39-6-11.00. Begin pre-haul road improvement which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; and roadside brushing and chipping. Clear and grub all trees growing on road prism. Upon completion of all other road improvement items and approval of the road subgrade, properly surface, water, and roll a 15' wide by an 8" compacted depth aggregate base course using gradation A (4" minus) from Table 903 in Exhibit C18. Surface 1 turnout approximately 10' wide by 50' long with 25' tapers. Upon completion of base aggregate placement and approval, properly surface, water, and roll a 14' wide by a 4" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 1 turnout approximately 10' wide by 50' long with 25' tapers.
0.07 Water dip.
0.13 Water dip.
0.16 End pre-haul road improvement and surfacing.

39-6-12.01 Road – Cedar Flat Spur – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description
0.00 Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.

0.07 Existing culvert.
0.14 Existing culvert.
0.19 Begin unit 12-02 boundary on right.
0.21 Existing culvert.
0.24 Jct. w/ BLM Road #39-6-12.05 on left. Begin clear and grub all trees growing on road prism.
0.38 Existing culvert.
0.47 Existing culvert.
0.50 Begin unit 12-02 boundary on left.
0.53 Existing culvert.
0.56 Existing culvert.
0.60 Existing culvert.
0.61 End unit 12-02 boundary on right.
0.63 End unit 12-02 boundary on left.
0.66 End pre-haul road renovation.

39-6-12.02 Road – Lower Bear Wallow –AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Clear and grub all trees growing on road prism. Upon completion of all other road renovation items and approval of the road subgrade, properly surface, water, and roll a 15' wide by a 4" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 1 turnout approximately 10' wide by 50' long with 25' tapers.
0.05	Begin unit 12-05 boundary on left and right.
0.13	Existing culvert.
0.16	End unit 12-05 boundary on left.
0.18	End unit 12-05 boundary on right.
0.22	Existing culvert. End pre-haul road renovation and surfacing.

39-6-12.03 Road – Upper Bear Wallow – AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.04	Begin unit 12-03 boundary on right.
0.07	Existing culvert.
0.15	End unit 12-03 boundary on right.
0.16	End pre-haul road renovation.

39-6-12.04 Road – Cedar Flat Spur – AGG – Sub: 15Ft – Ditch: 3Ft

MP	Description
0.00	Jct. w/ BLM Road #39-5-06.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Upon completion of all other road renovation items and approval of the road subgrade, properly surface,

water, and roll a 15' wide by a 4" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. No turnouts need to be surfaced.

0.01 Jct. w/ Temporary Road 12-05 on right (to be constructed).
0.08 Existing culvert.
0.12 End unit 12-01 boundary on left.
0.13 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic. End pre-haul road renovation and surfacing.

39-6-23.00 Road – Low Divide West – AGG – Sub: 15Ft – Ditch: 0Ft

MP Description

0.00 Jct. w/ BLM Road #39-6-11.00. Begin pre-haul road improvement which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Upon completion of all other road improvement items and approval of the road subgrade, properly surface, water, and roll a 15' wide by an 8" compacted depth aggregate base course using gradation A (4" minus) from Table 903 in Exhibit C18. Surface 2 turnouts approximately 10' wide by 50' long with 25' tapers. Upon completion of base aggregate placement and approval, properly surface, water, and roll a 14' wide by a 4" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 2 turnouts approximately 10' wide by 50' long with 25' tapers.
0.03 Earth barricade. Begin Roadside Management Unit (RMU) on the right.
0.05 End unit 23-05 boundary on left. Begin Roadside Management Unit (RMU) on the left.
0.06 Existing culvert.
0.15 End Roadside Management Unit (RMU) on the left. Begin unit 26-01 boundary on left.
0.26 Existing culvert. End Roadside Management Unit (RMU) on the right.
0.31 End unit 26-01 boundary on straight. End pre-haul road improvement and surfacing.

39-6-23.02 Road – Low Divide Spur – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description

0.00 Jct. w/ BLM Road #39-6-11.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Upon completion of all other road renovation items and approval of the road subgrade, properly surface, water, and roll a 15' wide by a 4" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 1 turnout approximately 10' wide by 50' long with 25' tapers.
0.15 Water dip.
0.18 Existing culvert.
0.21 End unit 23-05 boundary on right.
0.23 End pre-haul road renovation and surfacing.

39-6-25.00 Road Seg A – Low Divide E –AGG – Sub: 15Ft – Ditch: 3Ft

MP Description

0.00 Jct. w/ BLM Road #39-5-18.01. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning

all debris or obstructions from inside culverts; and roadside brushing and chipping. Upon completion of all other road renovation items and approval of the road subgrade, properly surface, water, and roll a 15' wide by a 6" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 3 turnouts approximately 10' wide by 50' long with 25' tapers. Begin Roadside Management Unit (RMU) on the left and right.

0.07 End Roadside Management Unit (RMU) on the left and right.
0.09 Existing culvert.
0.11 Existing culvert. Begin Roadside Management Unit (RMU) on the left and right.
0.18 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.23 Existing culvert.
0.26 Waste Disposal Site (WDS) on left. Place waste material on stable area well off running surface of road and outside of turnoff area so not to impede drivability of traffic.
0.29 Existing culvert.
0.32 End Roadside Management Unit (RMU) on the left and right.
0.37 Existing culvert.
0.41 Existing culvert.
0.42 Begin unit 25-05 boundary on right. Begin Roadside Management Unit (RMU) on the left.
0.48 End unit 25-05 boundary on right. End Roadside Management Unit (RMU) on the left.
0.51 Existing culvert. Right Hand Fork West Fork Williams Creek. Hydrologic point of concern. Install check dams or other approved BMPs per Exhibit C12-2 details and specifications.
0.55 Begin Roadside Management Unit (RMU) on the left and right.
0.58 Existing culvert.
0.61 Jct. w/ BLM Road #39-6-25.01 on right. End Roadside Management Unit (RMU) on the left and right. End pre-haul road renovation and surfacing.

39-6-25.01 Road – Low Divide E – AGG – Sub: 15Ft – Ditch: 3Ft

MP Description

0.00 Jct. w/ BLM Road #39-6-25.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Upon completion of all other road renovation items and approval of the road subgrade, properly surface, water, and roll a 15' wide by a 6" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 3 turnouts approximately 10' wide by 50' long with 25' tapers. Begin Roadside Management Unit (RMU) on the left and right.
0.06 Existing culvert.
0.13 Existing culvert.
0.23 Existing 18" culvert. Remove and replace with a 24" x 50' Aluminized 16-gauge CMP with a 20' aluminized full round downspout per contract details and specifications. No individual surfacing required as road is scheduled to have maintenance lift of aggregate placed on it after culvert replacement.
0.25 Jct. w/ BLM Road #39-6-25.03 on right.
0.26 Existing culvert.
0.28 Existing culvert.
0.32 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract

specifications and drawings. No individual surfacing required as road is scheduled to have maintenance lift of aggregate placed on it after culvert replacement.

0.35 Jct. w/ unnumbered road on left.
0.36 Existing culvert.
0.41 Existing 18" culvert. Remove and replace with a 24" x 40' Aluminized 16-gauge CMP per project details and specifications. Supply and properly place 2 CY of Class 2 riprap material form an approved weed-free commercial source at pipe outlet for fill-slope protection per contract specifications and drawings. No individual surfacing required as road is scheduled to have maintenance lift of aggregate placed on it after culvert replacement.
0.45 Existing culvert.
0.53 Existing culvert.
0.57 Existing culvert.
0.60 End Roadside Management Unit (RMU) on the left and right. Begin unit 25-01 boundary on left and right.
0.76 Property line (into Private). End unit 25-01 boundary on left and right. Double earth barricade. End pre-haul road renovation and surfacing.

39-6-25.04 Road Seg A-E – NAT – Sub: 15Ft – Ditch: 0Ft

0.00 Jct. w/ BLM Road #39-5-18.01. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.06 Existing culvert. Earth barricade. Replace after use. Subgrade is subsiding. Reshape to make passable.
0.10 Existing culvert.
0.13 Existing culvert.
0.15 Existing culvert.
0.17 Water bar.
0.21 Water Bar. Begin unit 25-03 boundary on left.
0.23 Water bar.
0.25 Water bar. Begin unit 25-03 boundary on right.
0.27 Water bar.
0.30 Property line (into Private). End segment A. End Unit 25-03 boundary on left and right.
0.33 Jct. w/ BLM Road #39-6-26.01 on right.
0.37 Jct. w/ private unnumbered road on left.
0.43 Water bar.
0.47 Water bar.
0.49 Jct. w/ BLM Road #39-6-26.02 on right.
0.53 Water dip.
0.58 Water bar.
0.59 Property line (into BLM). End segment B.
0.64 Water dip.
0.66 Jct. w/ Temporary Road 26-01E on right (to be constructed).
0.69 Property line (into Private). End segment C. Begin corner of unit 26-01boundary on right.
0.71 Jct. w/ private unnumbered road on left.
0.73 Water dip.
0.75 Property line (into BLM). End segment D. Begin unit 26-01 boundary on right.
0.76 Water bar.
0.79 End unit 26-01 boundary on right. Water bar.

0.81 Water bar.
0.84 Water dip.
0.87 Water dip.
0.91 Water dip.
0.95 Water dip.
0.99 Water dip.
1.06 Water dip.
1.08 Water dip.
1.09 Water dip.
1.13 Junction w/ BLM Road # 39-6-11.00 left and right. End pre-haul road renovation.

39-6-25.05 Road – NAT – Sub: 15Ft – Ditch: 0Ft

0.00 Jct. w/ BLM Road #39-5-18.01. Begin pre-haul road improvement which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; and roadside brushing and chipping. Clear and grub all trees growing on road prism. Upon completion of all other road improvement items and approval of the road subgrade, properly surface, water, and roll a 15' wide by an 8" compacted depth aggregate base course using gradation A (4" minus) from Table 903 in Exhibit C18. Surface 2 turnouts approximately 10' wide by 50' long with 25' tapers. Upon completion of base aggregate placement and approval, properly surface, water, and roll a 14' wide by a 4" compacted depth aggregate surface course using gradation C-1 (1.5" minus) from Table 1204 in Exhibit C18. Surface 2 turnouts approximately 10' wide by 50' long with 25' tapers. Begin unit 25-02 boundary on left.
0.02 Begin unit 25-02 boundary on left.
0.16 End unit 25-02 boundary on left. End surfacing.
0.20 Existing culvert. Re-establish existing ditch.
0.22 Construct water dip to drain ditches in direction of lower water hole.
0.24 End re-establishing existing ditch.
0.26 End unit 25-02 boundary on right. End pre-haul road improvement.

39-6-26.00 Road Seg A-B – NAT – Sub: 15Ft – Ditch: 0Ft

MP Description
0.00 Jct. w/ BLM Road #39-6-11.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping. Existing culvert.
0.03 Earth barricade. Replace after use.
0.05 Water dip.
0.08 Water dip.
0.12 Water dip.
0.14 Existing culvert.
0.18 Water dip.
0.22 Jct. w/ private unnumbered road on right.
0.31 Existing double water bar.
0.39 Jct. w/ private unnumbered road on right.
0.44 Property line (into BLM). Begin unit 26-01 boundary on right. Water bar.
0.48 Water bar.
0.50 Jct. w/ unnumbered road on left.

0.56 Begin unit 26-01 boundary on left.
0.57 Water bar.
0.58 Jct. w/ Temporary Road 26-01A on left (to be constructed).
0.62 Water dip.
0.64 Water dip.
0.68 Water dip.
0.70 Water dip.
0.71 Property line (into Private). End unit 26-01 boundary on both left and right. End pre-haul road renovation.

39-6-36.00 Road Seg A-B – Little Sugarloaf – BST/AGG – Sub: 15Ft – Ditch: 3Ft

0.00 Jct. w/ BLM Road #39-5-18.01. Begin road renovation which includes clearing and reshaping ditch lines; clearing all culvert inlets and outlets; and cleaning all debris or obstructions from inside culverts. Ditch material should be bunched, loaded, and hauled to waste disposal sites approved by the Authorized Office. Existing culvert.
0.09 Existing culvert.
0.29 Property line (into another private parcel).
0.31 Existing culvert.
0.34 Jct. w/ private unnumbered road on left (barricaded).
0.41 Existing culvert.
0.50 Jct. w/ private unnumbered road on right.
0.53 End BST surface, begin aggregate surface – begin reshaping road surface (blading, watering, and rolling) to road specifications.
0.61 Existing culvert.
0.69 Existing culvert.
0.72 Property line (into another private parcel).
0.77 Existing culvert.
0.81 Existing culvert.
0.92 Existing culvert.
0.97 Property line (into BLM). Jct. w/ BLM Road #39-5-31.00 on left. End segment A.
1.05 Existing CMP.
1.10 Jct. w/ BLM Road #39-5-31.01 on left. BLM stockpile on left, approximately 200CY.
1.15 Existing culvert.
1.26 End unit 31-02 boundary on left.
1.27 Jct. w/ FS4611 Road on the right. Pump chance on right. End pre-haul road renovation.

FS 4609-940 – Nat – Sub: 15Ft – Ditch: 0Ft

MP Description
0.00 Jct. w/ BLM Road #39-6-03.00. Begin pre-haul road renovation which includes reshaping road surface (blading, watering, and rolling) to road specifications; scarify rutted road surface as needed; clearing and reshaping existing ditch lines; clearing all culvert inlets and outlets; cleaning all debris or obstructions from inside culverts; and roadside brushing and chipping.
0.06 Water Dip.
0.17 Property line (into Forest Service). End unit 09-03 boundary on right.
0.18 End pre-haul road renovation.

Temporary Roads

All temporary roads are native surface and out-sloped, unless noted otherwise. Subgrade width shall not exceed 16 feet (not including turnouts and landings). All temp roads shall be winterized by October 15th if access is needed over two dry seasons. Winterization includes water barring, seeding, mulching, and temporarily barricading per Exhibit D details and specifications.

Temporary Road 03-03B (See Exhibit C2-5 for Map)

Station	Description
0+00	Jct. w/ BLM Road #39-6-09.02. Begin temporary road construction.
8+25	Begin unit 03-03 boundary on left and right.
10+80	Construct truck turnaround.
17+05	End unit 03-03 boundary on left and right.
17+40	End temporary road construction.

Temporary Road 12-05 (See Exhibit C2-4 for Map)

MP	Description
0+00	Jct. w/ BLM road #39-6-12.04 road. Begin temporary road construction.
10+20	Construct truck turnaround.
13+00	Begin unit 12-05 boundary on left and right.
19+50	End temporary road construction.

Temporary Road 17-01 (See Exhibit C2-10 for Map)

MP	Description
0+00	Jct. w/ BLM Road #39-5-17.03 road. Begin temporary road construction.
3+50	End temporary road construction.

Temporary Road 17-02A (See Exhibit C2-11 for Map)

MP	Description
0+00	Jct. w/ BLM Road #39-5-17.04 road. Begin temporary road construction.
3+25	Construct truck turnaround.
4+25	Begin unit 17-02 boundary on left and right.
8+70	Construct truck turnaround.
12+10	End unit 17-02 boundary on left and right. End temporary road construction.

Temporary Road 17-03A (See Exhibit C2-12 for Map)

MP	Description
0+00	Jct. w/ BLM Road #39-5-07.00. Begin temporary road construction.
6+75	Construct truck turnaround.
9+60	End temporary road construction.

Temporary Road 26-01A (See Exhibit C2-7 for Map)

MP	Description
0+00	Jct. w/ BLM Road #39-6-26.00. Begin temporary road construction.
0+80	Jct. w/ Temporary Road 26-01B on left (to be constructed).
6+10	End temporary road construction.

Temporary Road 26-01B (See Exhibit C2-7 for Map)

MP	Description
0+00	Jct. w/ temporary road 26-01A. Begin temporary road construction.
1+65	End temporary road construction.

Temporary Road 26-01E (See Exhibit C2-8 for Map)

MP	Description
0+00	Jct. w/ BLM Road #39-6-25.04. Begin temporary road construction.
1+00	Begin unit 26-01 boundary on left and right.
2+00	End temporary road construction.

Temporary Road 34-03 (See Exhibit C2-14 for Map)

MP	Description
0+00	Jct. w/ BLM Road #39-5-34.01. Begin temporary road construction.
2+80	Unit 34-03 boundary on both sides.
6+00	End temporary road construction.

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SPECIAL PROVISIONS - ROADS

1. GENERAL:
   - Before the initial start of road renovation, improvement, construction, or surfacing operations, or after a shutdown of 7 or more days, the Purchaser, or the Purchaser's Representative, shall notify the Authorized Officer 48 hours in advance of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer if they intend to cease operations for any period of 30 or more days.

2. BRIDGE LOAD RESTRICTIONS:
   - 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 (See R-4).
   - Bridges and/or structures without weight restrictions are located at:
     1) Road Number 39-5-18.01 (M.P. 0.04) Low Divide
     2) Road Number 39-5-18.01 (M.P. 0.20) Low Divide
     3) Road Number 39-5-19.00 (M.P. 0.08) S/M P Line
     4) Road Number 39-5-22.00 (M.P. 0.06) Glade Fork
   - BLM haul authorization form for weight restricted structures and/or oversize loads can be obtained from the Authorized Officer and can be found at the bottom of this section. This form shall be properly filled out and submitted for approval a minimum of 30 days prior to driving oversized loads across the bridge.

3. DAMAGE:
   - The Purchaser's Representative/Contractor shall protect, and is responsible for, any damage to existing telephone lines, transmission lines, fiber optic lines, fences, ditches, and other existing improvements as required in Section 14. Damage to utilities and other existing improvements shall be promptly paid for or repaired to a condition which is, in the opinion of the Authorized Officer and the governing utility company, as good or better condition than just prior to such damage occurring.

4. PERMITS:
   - All required permits are the responsibility of the Purchaser.

5. SEASONAL RESTRICTION. - Waivers may be granted if conditions are favorable.

ACTIVITY	START DATE	END DATE
Road renovation	May 15	Oct. 15
In-stream work	July 1	Sept. 15

6. STREAMS:
   - All stream channel culverts and inlets shall be cleared and cleaned between **July 1st and September 15th** in accordance with Oregon Department of Fish and Wildlife (ODFW) in-stream work period guidelines, updated January 2022.
   - Construct silt fences, or approved equal, 25 and 50 feet below culvert replacement sites (on live streams) to trap sediment and prevent it from entering nearby stream channels.

- Live streams shall be diverted around or through the work area in a manner that will minimize sedimentation downstream. Keep excavation site dewatered so that installation of culverts can be carried out only under dry conditions. Dispose of excess water by using natural drainage ways or devices near the site to the extent of their natural capacity and in a manner that will avoid damage to adjacent property. Utilize dewatering methods such as temporary sediment traps and/or silt fences for areas to be excavated. Provide for downstream water flow without significant transport of excavated material or sediment during construction. At no time shall turbidity limits exceed DEQ's water quality standards.
- Ensure that all large wood is retained in the stream channel during culvert cleaning activities by moving logs which had accumulated on the upstream side of a culvert to the downstream side of the culvert.

7. DUST ABATEMENT:
   - The application of dust abatement materials such as Lignin or approved petroleum-based dust abatement products shall be restricted from application just after severely wet weather, at stream crossings to be designated by the Authorized Officer, or other locations that could result in direct delivery to a water body.
   - All dust abatement applications shall be approved by the Authorized Officer prior to application.

8. WATER SOURCE:
   - The Purchaser is responsible for obtaining water. Water sources shall be approved by the Authorized Officer prior to use. The Purchaser is responsible for all permits and fees from water sources on private or commercial sources.

9. EQUIPMENT
   - Construction equipment shall be washed prior to entering BLM lands. Removal of all dirt, grease, and plant parts that may carry noxious weed seeds or vegetative parts is required. Equipment shall be inspected by the Authorized Officer or Project Engineer prior to entering BLM lands. Provide a 48 hours' notice of inspection to the Authorized Officer or Project Engineer prior to mobilization.

10. SOIL STABILIZATION:
    - The Purchaser's Representative/Contractor shall apply native grass seed and certified weed free straw mulch to all disturbed soil for soil stabilization operations per Exhibit C18, Section 1800. Native seed mixture shall be prescribed by the BLM project botanist. Native seed and straw mulch may be purchased from the BLM, **if available**, or purchased from a source approved by the BLM project botanist.

11. ROAD RENOVATION:
    - Road renovation shall generally take place between May 15th and October 15th of the same year. Waivers may be granted from the Authorized Officer for working outside of this timeline. Seasonal restrictions for stream work and wildlife will still apply.
    - Loose material cleaned from ditch lines and/or slide material shall not be placed where it can enter wetlands, riparian reserves, floodplains, and waters of the State.

12. ROADSIDE BRUSHING:
    - While roadside brushing, there shall be no scarring or other damage of the tree trunk or bole allowed. All debris resulting from roadside brushing activities shall be chipped downslope according to specifications per Exhibit C18, Section 2100. Use of Excavators for brush removal will be at the discretion of the Authorized Officer. **All culvert inlets and outlets shall be brushed for a radius of 4 feet. All bridges shall be brushed 8' horizontal feet from the outer-most portion of the structure.**
    - While roadside brushing through private industry lands, conifer trees at the edges of the cleared area (see cutting limit, Exhibit C6) shall have the branches pruned rather than being felled.
    - All stumps, designated by the Authorized Officer, which would interfere with normal blading and road renovation/maintenance operations (including turnouts), shall be removed in such a way as to not cause damage to the drainage ditch or the roadbed. If such damage does occur, the Purchaser's Representative/Contractor shall properly repair the road damage immediately.

13. TEMPORARY ROUTES:
    - All temp routes and native surfaced roads (that were previously closed before timber sale activities began) shall be winterized by October 15th if access is needed over two dry seasons. Winterization includes water barring, seeding, mulching, and temporarily barricading. All temp routes shall be water barred, barricaded, seeded, and mulched after use, unless otherwise specified.
    - Clearing, grubbing, and excavation activities of temp routes shown on Exhibit C maps shall be performed in accordance with specifications. Temp routes shall be constructed to the minimum necessary width (maximum 15ft) for safe timber harvest activities.

14. COMMERCIAL AGGREGATE:
    - Aggregate supplied/furnished for this work shall be direct from an accredited commercial source and can be stockpiled during the period between November 1st and June 15th immediately prior to application. Aggregate which has been stockpiled between June 16th and October 31st of prior years will not be accepted. Aggregate crushed between June 16th and October 31st of the same application year shall not be stockpiled for more than two weeks before application.

15. WILDLIFE RESTRICTIONS:
    - Seasonally restrict mechanical roadside brushing activities (including chainsaws) and heavy equipment use to avoid disturbance to nesting NSOs and raptors from March 1st through September 30th within 200 feet of known NSO and raptor nests. This seasonal restriction could be waived if non-nesting status is determined.

16. WET SEASON HAUL:
    - The Purchaser may wet season haul, with the Authorized Officer's approval, on roads with durable rock surfacing and sufficient rock depth to resist rutting or development of sediment on road surfaces that drain directly to wetlands, floodplains, and waters of the State.
    - If hauling activities during the wet season causes or begins to cause road damage or the transport of sediment into streams, the Authorized Officer shall 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. 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.

- No hauling shall occur on native surface roads during the wet season (generally Oct. 15 – May 15); exceptions can be made during dry conditions of the wet season pending approval from a BLM Authorized Officer.

17. Port Orford Cedar (POC):
    - Vehicle and Equipment Cleaning: Cleaning shall consist of the removal of soil by washing with a high-pressure hose or steam cleaning as directed by the Authorized Officer in accordance with the requirements shown on Exhibit P. Vehicles and equipment shall be cleaned and inspected at washing stations designated by the Authorized Officer. Washing at project site will require that water is treated with Clorox® bleach at a ratio of 1 gallon of bleach to 1,000 gallons of water. Water source for site washing will be designated by the Authorized Office.
    - Seasonal Restriction: No road construction, road improvement, or road maintenance/renovation shall be conducted on road numbers 39-5-07.01, 39-5-17.00, 39-5-17.04, 39-5-17.06, 39-5-18.01, 39-5-19.02, 39-5-19.05, 39-5-19.06, 39-5-19.07, 39-5-31.01, 39-5-34.00, 39-6-12.02, 39-6-12.04, 39-6-23.00, 39-6-23.02, 39-6-36.00 and TR 12-05 between October 15 of one calendar year and May 15 of the following calendar year both days inclusive where soil movement may take place such as road blading, ditch cleaning, culvert cleaning, or excavations of any sort. This includes wet periods during the dry season, that receive one-half (½) inch or more precipitation within a twenty-four (24) hour period, where continuous mud splash may occur. Road work shall not resume for a minimum of forty-eight (48) hours following any storm event, or until road surface is sufficiently dry, as approved by the Authorized Officer. Purchaser may request, in writing, a conditional waiver of this restriction. If the first fall rain has not yet occurred, puddles are not present in roads, water is not running in ditches, and the likelihood of spreading *phytophthora lateralis* (Port-Orford-cedar root disease) is low, the Contracting Officer may approve a conditional waiver. If the first fall rain is forecasted to occur and/or the moisture conditions described above resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked, unless the Purchaser washes all equipment prior to entering the un-infested roads/units as described in Exhibit P. See Exhibit P and seasonal restriction matrix for full restrictions, including waiver requirements.
    - Cleaning of Project Equipment: All project equipment that comes into contact with soils, as designated by the Authorized Office, shall be cleaned prior to entering un-infested areas on road numbers 39-5-07.01, 39-5-17.00, 39-5-17.04, 39-5-17.06, 39-5-18.01, 39-5-19.02, 39-5-19.05, 39-5-19.06, 39-5-19.07, 39-5-31.01, 39-5-34.00, 39-6-12.02, 39-6-12.04, 39-6-23.00, 39-6-23.02, 39-6-36.00 and TR 12-05 or prior to leaving infested areas.
    - Water for Non-Washing Use: Water for roadwork, dust abatement, or fire prevention will be approved by the Authorized Officer and shall be from un-infested water sources or shall be treated with Clorox® bleach at a ratio of 1 gallon of bleach to 1,000 gallons of water.

BLM Haul Authorization Request

1. BLM Office:								2**. Date:**				
3. Company Name:												
4. Description of the Load or Equipment and Model No.:								**Haul**	**Drive**	**Tow**		
5. Dimensions of Load:												
6. Description of Hauling Equipment:												
7. Vehicle Width:		**8. Kingpin to Last Axle:**				**10. Semi-Trailer Length:**			**11. Comb Vehicle Length**:			
12. Axle Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
13. Number Of Tires Per Axle												
14. Distance Between Axles												
15. Width of Axles at Tire Side Wall												
16. Weight per Axle (kips)												
17. Loaded Height:	**18. Loaded Width:**			**19. Loaded Overall Length:**			**20. Loaded Overhang:**			**21. FHWA Weight Class:**		
22. Origin:					**23. Destination:**							
24. List all BLM Roads and Bridges that you are requesting authorization to cross (*provide road number and milepost, legal location, or lat/long of each bridge*):												
25. Requested haul date (*or time frame*).												

Fill out one form per haul vehicle.
Box 1. Enter name of person requesting haul authorization

Box 2. Enter date of request

Box 3. Enter company name

Box 4. Enter a description of the load or equipment that will cross BLM lands and mark the box on hoe that load/equipment will be traveling on the roads (hauled, driven or towed).

Box 5. Provide dimensions of the load (off the truck).

Box 6. Provide a description of the truck/equipment that will be used for hauling.

Box 7 -11. Provide the vehicle width and length measurements.

Box 12. Axle number 1 is the front axle and all other axles are numbered sequentially from front to back.

Box 13. Enter the number of tires for each axle on the hauling vehicle.

Box 14. Enter the distance between each axle on the hauling vehicle.

Box 15. Enter the axle widths for each axle on the hauling vehicle.

Box 16. Enter the weight of each axle on the hauling vehicle in kips (1 kip = 1,000 pounds).
Boxes 17-20. Enter the height, width, overall length and overhang of the loaded hauling vehicle (truck and load).

Box 21. Enter the Federal Highway Administration (FHWA) weight class of the loaded hauling vehicle.

Box 22. Enter the origin of the loaded hauling vehicle.

Box 23. Enter the destination of the loaded hauling vehicle.

Box 24. List all BLM roads and bridge that will be crossed with the hauling vehicle. Provide road numbers and mileposts, legal location, or latitude/longitude of each bridge or a map of the proposed haul route.

Box 25. Enter date of requested haul. If haul requires more than one trip enter the range of dates requested for hauling.

BLM Policy: It is BLM's policy to approve or reject a Haul Authorization Request within 30 days of receiving a completed request form. The BLM will issue the requestor a Haul Authorization Letter either approving or denying the request. All approved haul requests will have hauling instructions within the Haul Authorization Letter that all trucks must follow while traveling on BLM roads.

TIMBER SALE ROAD SPECIFICATIONS

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GENERAL – 100

101 - Prework Conference(s):

A prework conference will be held prior to the start of new construction, improvement, renovation, and surfacing operations. The Purchaser shall request the conference at least 72 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.

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.

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 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 (Road Prism) - 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.

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.

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.

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.

102a - Tests Used in These Specifications:

AASHTO T 11 - Quantity of rock finer than No. 200 sieve.

AASHTO T 27 - Sieve analysis of fine and coarse aggregate using sieves with square openings; gradation.

AASHTO T 89 - Liquid limit of material passing the No. 40 sieve. Water content at which the soil passes from a plastic to a liquid state.

AASHTO T 90 - Plastic limits and plasticity index of soil.

a. Plastic limit - lowest water content at which the soil remains plastic.
b. Plasticity index - range of water content, within which the material is in a plastic state. Numerical difference between the liquid and plastic limits of the soil.

AASHTO T 96 - Resistance to abrasion of small size coarse aggregate by use of the Los Angeles machine.

AASHTO T 99 - Relationship between soil moisture and density of soil.

a. Method A - 4" mold, soil passing a No. 4 sieve 25 blows/layer & 3 layers.
b. Method C - 4" mold, soil passing a 3/4 inch sieve 25 blows/layer & 3 layers.
c. Method D - 6" mold, soil passing a 3/4 inch sieve. 56 blows/layer & 3 layers.

AASHTO T 119 - Slump of hydraulic cement concrete.

AASHTO T 152 - Air content of freshly mixed concrete.

AASHTO T 166 - Specific Gravity of compacted Bituminous Mixtures.

AASHTO T 176 - Shows relative portions of fine dust or claylike materials in soil or graded aggregate.

AASHTO T 180 - (OSHD 106-71) moisture density relationship of soil same as AASHTO

T 99 proctor but uses a 10-lb rammer & 18-in drop height.

AASHTO T 191 - Sand Cone. Density of soil in place: For subgrade use 6-inch or 12-inch cone. For rock surfacing for 1-1/2-inch minus to 3-inch minus use 12-inch cone.

AASHTO T 205 - Rubber balloon. Density of soil in place. Use for compacted or firmly bonded soil.

AASHTO T 209 - Maximum Specific Gravity of Bituminous Paving Mixtures.

AASHTO T 210 - Durability of aggregates based on resistance to produce fines.

AASHTO T 224 - Correction for coarse particles in the soil.

AASHTO T 238 - Density of Soil and Soil-Aggregate in place by nuclear methods.

AASHTO T 248 - Reducing field samples of aggregate to testing size by mechanical splitter, quartering, or miniature stockpile sampling.

ASTM D 4564 - Determination of relative density of cohensionless soils.

DMSO (dimethyl sulfide) - Determines volume of expanding clays in aggregates. Usually associated with marine basalts.

103 - Compaction equipment shall meet the following requirements:

103b - (Sheepfoot) (Tamping) rollers - A tamping roller unit shall consist of two watertight metal drums mounted in frames in such manner as to be fully oscillating, together with a tractor having sufficient weight and power under actual working conditions to pull the roller drums at a minimum speed of 2.5 miles per hour. The drums shall be no less than 60 inches in diameter and no less than 54 inches in length, measured at the drum's surface, and shall be studded with tamping feet projecting not less than 7 inches from the face of the drums.

The distance between circumferential rows of tamper feet shall be such that the diagonal distance from any foot to the nearest foot in each adjacent row shall be not more than 12 inches. The cross-sectional area of the face of each tamper foot, measured perpendicular to the axis of the stud, shall be not less than 5-1/2 square inches nor more than 8 square inches.

The weight of the tamping-roller unit shall be such as to exert a minimum pressure of 250 pounds per square inch on the ground area in contact with the tamping feet, and the roller shall be so designed that the weight may be increased to exert a pressure up to 500 pounds per square inch on the ground area in contact with the tamping feet. The ground pressure shall be determined by dividing the total weight of the roller unit, not including the weight

of the tractor, by the total cross-sectional area of the tamping feet in one row of tamping feet parallel to the axis of the roller.

103e - Grid roller - A grid roller shall consist of two or more cylindrical drums independently mounted on a common shaft in a rigid frame. Each drum shall have a minimum outside diameter of 5 feet and a minimum width of 2 feet 6 inches. The overall width of the roller exclusive of frame shall be not less than 5 feet 6 inches of which not more than 6 inches shall be used for center spacing between two roller drums. The face of the drums shall have the appearance of woven open-mesh made by interlacing bars of not less than 1-1/4 inches nor more than 1-3/4 inches diameter space spaced on 4-1/2 inches to 5-1/2 inches center.

Net opening between the bars shall be not less than 3 inches nor more than 4 inches. The roller shall be so constructed that counterweights can be used to adjust the gross weight of the roller to not less than 27,000 pounds. The grid roller shall be drawn by a power unit capable of propelling the fully loaded roller through 6 inches of loose embankment material at a speed of at least 4 miles per hour.

103f - Vibratory roller - The drum diameter shall be not less than 48 inches, the drum width not less than 58 inches, and have a turning radius of 15 feet or less. Vibration frequency shall be regulated in steps to 1400, 1500, and 1600 vibrations per minute (VPM), corresponding to engine speeds of 1575, 1690, and 1800 RPM. The centrifugal force developed shall be 7 tons at 1600 RPM. It shall be activated by a power unit of not less than 25 horsepower. The vibratory roller shall be self-propelled or drawn by a vehicle of sufficient horsepower to enable the unit to travel through a loose layer of material at a speed ranging from 0.9 mile to 1.8 miles per hour, as directed by the Authorized Officer.

The towing vehicle and roller or self-propelled unit meeting the above requirements shall be considered a vibratory roller unit.

103g - Vibratory compactor - Vibratory compactors shall consist of multiple or gang- type compacting units or pads with a minimum variable width of 2 feet. It shall be self-contained and capable of compacting material as required.

103h - Drum drive self-propelled vibratory grid roller - The unit shall consist of one cylindrical drum with a drum diameter of not less than 56 inches, nor more than 66 inches and the drum width shall be 84 inches. Vibratory frequency shall be regulated in seeps from 1200 to 1800 vibrations per minute (VPM), and the centrifugal force developed shall be at least 40,000 pounds at 1800 RPM. The vibratory grid roller shall be self-propelled and have a power unit of not less than 112 horsepower. The "grid" design shall be a herringbone or z-bar pattern around the circumference of the drum. The grid bars shall be 1 inch in height and spaced not more than 8-1/2 inches apart.

103i - Other - Compaction equipment approved by the Authorized Officer.

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 5 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 as staked on the ground and as posted.

203b - Standing trees and snags to be cleared shall be felled within the limits established for clearing unless otherwise authorized.

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 in accordance with Subsections 204a, 204b, 204c, and 204d between the top of the cut slope and the toe of the fill slope.

204a - Stumps **including those overhanging cut banks**, shall be removed within the required excavation limits.

204b - Stumps and other protruding objects shall be completely removed within the limits of required embankments having heights of less than 4 feet.

204c - On excavated areas, roots and embedded wood shall be removed to a depth not less than 6 inches below the subgrade.

204d - On areas to be occupied by embankments having heights greater than 4 feet, no stump or portion thereof shall remain within 3 feet of embankment subgrades or slope surfaces after grubbing is completed.

205 - Clearing and grubbing debris shall not be placed or permitted to remain in or under road embankment sections.

206 - Clearing and grubbing debris shall be disposed of by piling in accordance with Subsection 211 at the following road locations:

Road No.	From M.P./Sta	To M.P./Sta	Activity Type	Disposal Method
39-5-07.00 C1-C2	2.38	2.72	Roadside Management Unit	Pile
39-5-17.00	0.78	0.85	Roadside Management Unit	Pile
	0.89	0.92	Roadside Management Unit	Pile
	1.01	1.06	Roadside Management Unit	Pile
39-5-17.06	0.00	0.28	Road Improvement	Pile
39-5-18.01 C	2.49	2.56	Roadside Management Unit	Pile
	3.30	3.62	Roadside Management Unit	Pile
39-5-22.00 A-B	0.63	0.95	Roadside Management Unit	Pile
	1.02	1.38	Roadside Management Unit	Pile
	1.43	1.92	Roadside Management Unit	Pile
	1.92	2.22	Roadside Management Unit	Pile
	2.39	2.51	Roadside Management Unit	Pile
	2.62	2.76	Roadside Management Unit	Pile
	2.82	3.03	Roadside Management Unit	Pile
	3.11	4.07	Roadside Management Unit	Pile
	4.13	4.42	Roadside Management Unit	Pile
39-5-34.00	0.00	0.30	Roadside Management Unit	Pile
39-5-34.01	0.00	0.15	Roadside Management Unit	Pile
39-6-01.01	0.00	0.26	Road Improvement	Pile
39-6-09.02	0.68	0.95	Roadside Management Unit	Pile
39-6-11.00 A-D	0.00	0.58	Roadside Management Unit	Pile
	0.60	0.63	Roadside Management Unit	Pile
	0.67	1.00	Roadside Management Unit	Pile
	1.07	1.15	Roadside Management Unit	Pile
	1.23	1.29	Roadside Management Unit	Pile
	1.40	1.47	Roadside Management Unit	Pile
	1.69	2.30	Roadside Management Unit	Pile
	2.52	3.69	Roadside Management Unit	Pile
	3.71	4.25	Roadside Management Unit	Pile
	4.30	5.09	Roadside Management Unit	Pile
	5.11	5.13	Roadside Management Unit	Pile
	5.37	5.53	Roadside Management Unit	Pile
	5.56	5.59	Roadside Management Unit	Pile
	5.62	6.01	Roadside Management Unit	Pile
	6.15	6.96	Roadside Management Unit	Pile
39-6-11.03	0.00	0.16	Road Improvement	Pile
39-6-12.01	0.24	0.66	Road Renovation	Pile
39-6-12.02	0.00	0.22	Road Renovation	Pile
39-6-23.00	0.03	0.26	Roadside Management Unit	Pile
39-6-25.00 A	0.00	0.07	Roadside Management Unit	Pile
	0.11	0.32	Roadside Management Unit	Pile
	0.42	0.48	Roadside Management Unit	Pile
	0.55	0.61	Roadside Management Unit	Pile
39-6-25.01	0.00	0.60	Roadside Management Unit	Pile

39-6-25.05	0.00	0.26	Road Improvement	Pile
TR 03-03B	0+00	17+40	Road Construction	Pile
TR 12-05	0+00	19+50	Road Construction	Pile
TR 17-01	0+00	3+50	Road Construction	Pile
TR 17-02A	0+00	12+10	Road Construction	Pile
TR 17-03A	0+00	9+60	Road Construction	Pile
TR 26-01A	0+00	6+10	Road Construction	Pile
TR 26-01B	0+00	1+65	Road Construction	Pile
TR 26-01E	0+00	2+00	Road Construction	Pile
TR 34-03	0+00	6+00	Road Construction	Pile

211 - Disposal of clearing and grubbing debris and/or 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.

212 - No grading will be permitted prior to completion and approval by the Authorized Officer of the required clearing and grubbing work, except that stump grubbing may proceed with the excavation of the road prism.

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, and typical cross sections shown on the plans.

302 - Excavation shall also consist of the excavation of road and landing cut sections, borrow sites, backfilling, leveling, ditching, grading, compaction, and other earth moving work necessary for the construction of the roadway in accordance with these specifications and conforming to the lines, grades, dimensions, 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 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- moving work necessary for the construction of the roadway and landings in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.

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.

305b - Embankment materials shall be placed in successive parallel layers on areas cleared of stumps, cull logs, brush, sod, and other vegetative and deleterious materials, except as provided under Subsection 204. Roadway embankments of earth material shall be placed in horizontal layers not exceeding 8 inches in depth.

305c - Embankments formed of material containing less than 25 percent rock not larger than 8 inches in the greatest dimension shall be placed in 12-inch layers. Material containing more than 25 percent rock not larger than 12 inches in the greatest dimension shall be placed in successive layers not exceeding 2 feet in thickness.

306 - Layers of embankment material as specified under Subsections 305a and 305b shall be moistened or dried to a uniform optimum moisture content suitable for maximum density and compacted to full width with compacting equipment conforming to requirements of Subsections 103b, 103e, 103f, 103g, 103h, and 103i and in accordance with the following

table:

Road No.	From Sta./M.P.	To Sta./M.P.	Subsection 306
TR 03-03B	0+00	17+40	306f
TR 12-05	0+00	19+50	306f
TR 17-01	0+00	3+50	306f
TR 17-02A	0+00	12+10	306f
TR 17-03A	0+00	9+60	306f
TR 26-01A	0+00	6+10	306f
TR 26-01B	0+00	1+65	306f
TR 26-01E	0+00	2+00	306f
TR 34-03	0+00	6+00	306f

306a - Minimum compaction for each layer of embankment material placed at optimum moisture shall be 6 passes over each full-width layer or fraction thereof.

306f - Compaction of embankment layers placed as specified under Subsection 305b above shall be accomplished by routing construction equipment over full width of embankment structures except as specified in Subsection 306.

306g - All fill slopes shall be compacted to (75) percent of maximum density, either by walking with cat/excavator or by pressing with excavator bucket, to prevent surface erosion and raveling.

308 - In the case of rock fills, placement of material in layers is not required and such material may be placed by end-dumping or other methods approved by the Authorized Officer provided that the rock be reasonably prevented from escaping beyond the embankment toe.

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.

311 - In solid rock cuts where pockets that will not drain are formed by blasting below the subgrade elevation, drainage shall be provided by ditching to the edge of the subgrade and backfilling to grade, and compacting the pockets and the ditch with rock fragments, gravel, or other suitable porous material.

312 - When material, except solid rock, encountered in cuts at subgrade, is suitable for use in forming the finished roadbed, the top 6-inch layer of the subgrade shall be thoroughly scarified for the full width of the roadbed. Roots, sod, and other deleterious material or stones that will not pass a 6-inch square opening shall be removed. The scarified material shall be processed to the optimum moisture content suitable for maximum density and

compacted in accordance with these specifications.

313 - In cut areas where solid rock is encountered at, or near subgrade, the rock shall be excavated to a minimum depth of 6 inches below subgrade elevation and the excavated area backfilled with suitable material. The backfill material shall be processed to the optimum moisture content suitable for maximum density and compacted to full width in accordance with the requirements of Subsection 306.

314 - When heavy clays, muck, clay shale, or other deleterious material for forming the roadbed is encountered in cuts at subgrade, it shall be excavated to a minimum depth of 2 feet below the subgrade elevation and the excavated area backfilled with a selected borrow material approved by the Authorized Officer. The backfill material shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density in accordance with the requirements of Subsection 306. Unsuitable material shall be disposed of as directed by the Authorized Officer.

316 - Borrow material from sources selected at the Purchaser's option shall be inspected and approved in writing by the Authorized Officer prior to placement.

318 - Selected borrow or selected roadway excavation material shall be uniformly spread on the roadbed in lifts not to exceed 6 inches in depth until the required thickness shown on the plans is attained.

Each layer shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width in accordance with the requirements of Subsection 306.

320 - Ditches shall conform to the slope, grade, dimensions, and shape of the required cross section shown on the plans. Roots, stumps, rocks, and other projections shall be removed to form smooth, even slopes.

321 - Excess excavated, unsuitable, or slide materials shall not be disposed of on areas where the material will encroach on a stream course or other body of water. Such materials shall be disposed of in accordance with Subsections 321b and 321c. Materials not disposed of in this manner shall be retrieved and disposed of at the Purchaser’s expense and at the direction of the Authorized Officer.

321b - Excess construction material as specified under Subsection 321 shall be loaded, hauled, and disposed of at disposal sites at the following locations:

Road No.	M.P.
39-5-06.00 A-E	1.01
	3.88
	6.73

39-5-07.00 A-C2	1.49
39-5-07.01	0.07
	0.60
39-5-17.00	0.53
39-5-18.01 A-D	0.62
	1.19
	1.67
	2.83
39-5-19.00 A-C	0.04
39-5-19.02	0.43
39-5-19.04	0.31
39-5-19.05	0.07
39-5-19.06	0.17
39-5-22.00 A-B	0.50
	3.35
	3.44
39-6-11.00 A-D	0.10
	0.82
	0.91
	2.15
	3.94
39-6-12.04	0.13
39-6-25.00 A	0.18
	0.26

321c - End-dumping will be permitted for the placement of excess materials under Subsection 321 in designated disposal areas or within areas approved by the Authorized Officer. Watering, rolling, and placement in layers are required. Materials placed shall be sloped, shaped, and otherwise brought to a visible condition acceptable to the Authorized Officer.

323 - In the construction of channel changes and stream-crossing embankment sections, natural stream flow shall be maintained unless otherwise provided.

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 in segments or for the total project. The Purchaser shall give the Authorized Officer 3 days' notice prior to final inspection of the grading operations.

PIPE CULVERTS – 400

401 - This work shall consist of furnishing and installing pipe culverts, full round downspouts, and splash pads in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Individual lengths and locations are approximate; final lengths and locations will be determined by the Authorized Officer upon installation of the appurtenance structures. Additional pipe, full round downspouts, or splash pads may be required at the option of the Authorized Officer, in which case a reduction in the total purchase price shall be made to offset the cost of furnishing and installing such items. Costs will be based upon the unit prices set forth in the current BLM Timber Appraisal Production Cost Schedule.

403 - Grade culverts shall have a gradient of from 2 percent to 4 percent greater than the adjacent road grade. Grade culverts shall be skewed down grade 30 degrees as measured from the perpendicular to the centerline unless otherwise specified on the plans.

404 - Damage to the spelter, or burn back in excess of 3/8 inch, shall be wire brushed and painted with two coats of zinc-rich paint on zinc-coated, steel pipe and aluminum-rich paint on aluminum or aluminum-coated pipe.

405a - Corrugated-**aluminized** steel-welded pipe culverts and pipe-arch culverts and special sections shall conform to the requirements of AASHTO M 36 and AASHTO M 218, AASHTO M 274, or AASHTO M 289 as specified on the plans.

406 - Coupling bands shall conform to the requirements of AASHTO M 36 and AASHTO M 218 or AASHTO M 274 with the exception of band widths and the "Hugger"-type band which shall conform to the details, dimensions, and typical diagram shown on the plans.

406a - "Hugger"-type coupling bands shall only be used with annular corrugated pipe and pipe-arch culverts, or helically corrugated pipe and pipe-arch culverts having annular reformed ends. Annular reformed ends shall consist of two annular corrugations.

407 - Special sections, such as elbows, branch connections, and flared-end sections, shall be of the same gauge as the pipe to which they are joined, and shall conform to the requirements of AASHTO M 36 and AASHTO M 218 or AASHTO M 274.

407b - Full round culvert downspouts conforming to the material and construction requirements shall be constructed for culverts as shown on the plans at the following locations:

Road No.	M.P.	Connection Type
39-5-06.02 A	0.57	Turner Style
39-5-07.00 A-C2	0.32	Turner Style
	0.39	Turner Style
39-5-17.00	0.20	Turner Style

	0.24	Turner Style
39-6-11.00 A-D	0.52	Turner Style
	1.21	Turner Style
	1.94	Turner Style
	2.29	Turner Style
39-6-25.01	0.23	Turner Style

408 - Pipe culverts and pipe-arch culverts shall be placed on the bed starting at the downstream end with the inside circumferential laps pointing downstream and with the longitudinal laps at the side or quarter points. Coupling bands of the type required under these specifications shall be installed so as to provide the circumferential and longitudinal strength necessary to preserve the pipe alignment, prevent separation of the pipe sections, and minimize infiltration of fill material.

410 - Pipe shall be unloaded and handled with reasonable care. If the Authorized Officer determines any structure is damaged to the extent that it is unsuitable for use in the road construction, it shall be replaced at the Purchaser's expense.

411 - Trenches necessary for the installation of pipe culverts shall conform to the lines, grades, dimensions, and typical diagram included in the plans and in Exhibit C9, the Culvert Installation Detail Sheet.

412 - Where ledge rock, boulders, soft, or spongy soils are encountered, they shall be excavated a minimum of 24 inches below the invert grade for a width of at least one pipe diameter or span on each side of the pipe and shall be backfilled with crushed rock material in accordance with Section 1200 gradation C-1.

413 - Pipe culverts and pipe-arch culverts shall be bedded on a crushed rock material in accordance with Section 1200 gradation C-1, or fine readily compactable soil material having a depth of not less than 6 inches as shown on plans. Foundation material shall be of uniform density throughout the length of the structure and shall be shaped to fit the pipe.

416 - Side-fill material for pipe culverts shall be placed within 1 pipe diameter, or a minimum of 2 feet, of the sides of the pipe barrel, and to 1 foot over the pipe with fine, readily compactable soil, or crushed rock material in accordance with Section 1200 gradation C-1, or granular fill material free of excess moisture, muck, frozen material, roots, sod, or other deleterious or caustic material and devoid of rocks or stones of sizes which may impinge upon and damage the pipe or otherwise interfere with proper compaction.

417 - For pipe culverts, side-fill material conforming to the requirements of Subsection 416 shall be placed and compacted under the haunches of the pipe, and shall be brought up evenly and simultaneously on both sides of the pipe to 1 foot above the pipe, in layers not exceeding 6 inches in depth and 1 pipe diameter/span, or a minimum of 2 feet in width each side of, and adjacent to, the full length of the pipe barrel. Each layer shall be

moistened or dried to a uniform moisture content suitable for maximum compaction and immediately compacted by approved hand or pneumatic tampers until a uniform density of 85 percent of the maximum density, is attained as determined by AASHTO T 99, Method C.

418 - Side fills beyond the compaction limits specified under Subsection 417 shall be compacted as specified under Section 300.

419 - The pipe culverts after being bedded and backfilled as required by these specifications shall be protected by a 2-foot cover of fill before heavy equipment is permitted to cross the drainage structures. Removal of the protective fill shall be as directed by the

424 - Construction of splash pads conforming to lines, grades, dimensions and typical diagram shown on the plans, shall be required for culverts at the following locations:

Road No.	M.P.
39-5-06.02 A	0.66
	0.86
39-5-07.00 A-C2	0.16
	0.23
	0.61
	1.05
	1.65
	1.78
	1.89
	2.91
39-5-07.01	0.19
	0.30
	0.63
	0.65
39-5-17.00	0.32
	0.39
	0.55
39-5-19.00 A-C	0.67
	0.77
39-5-19.02	0.39
	0.91
39-6-11.00 A-D	1.44
	3.27
	5.12
	5.51
39-6-25.01	0.32

	0.41

425 - Where pervious materials are used for backfill and bedding, collars consisting of selected impervious material shall be placed at the inlet and at various intervals along the pipe barrel as shown on the plans and as directed by the Authorized Officer.

427 - Record culvert sizes, lengths and location actually installed on a copy of the culvert list. This culvert list shall be furnished to the Authorized Officer.

428 - Remove and dispose of old culverts in a legal manner, and for any fees required. The Purchaser shall remove the old culverts from the work site within 3 working days of completion of the culvert replacement work for each road.

429 - Keep the excavation site dewatered so that the installation of culverts is completed under dry conditions. Dispose of excess water by using pumping or natural drainage ways near the site in a manner that will avoid damage to adjacent property. Provide for downstream waterflow with no more that 10% increase in natural stream turbidity due to transport of excavated material or sediment during construction. Diversion streams shall not be returned to the natural channel until all in-stream work has been completed.

RENOVATION AND IMPROVEMENT OF EXISTING ROADS - 500

501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, minor excavation and/or embankment, cleaning and shaping drainage ditches, trimming vegetation from cut and embankment slopes, and cleaning and repairing drainage structures of existing roads in accordance with these specifications and as shown on the plans.

501a - This work shall include the removal and disposal of slides in accordance with these specifications.

502 - The existing road surface shall be scarified (where needed) to its full width and to a depth of 6 inches to eliminate surface irregularities and bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans.

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.

502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.

503a - Debris from the slides at the following locations:

Road No.	M.P.	Cubic Yards
39-5-07.01	0.37	50
	0.42	100
	50	20
39-5-17.04	0.55	10
	0.80	10
39-5-17.06	0.11	100

shall be hauled to designated disposal sites at the following locations:

Road No.	M.P.
39-5-06.00 A-E	1.01
	3.88
	6.73
39-5-07.00 A-C2	1.49
39-5-07.01	0.07
	0.60
39-5-17.00	0.53

39-5-18.01 A-D	0.62
	1.19
	1.67
	2.83
39-5-19.00 A-C	0.04
39-5-19.02	0.43
39-5-19.04	0.31
39-5-19.05	0.07
39-5-19.06	0.17
39-5-22.00 A-B	0.50
	3.35
	3.44
39-6-11.00 A-D	0.10
	0.82
	0.91
	2.15
	3.94
39-6-12.04	0.13
39-6-25.00 A	0.18
	0.26

504 - Scarified material and existing road surface shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width with equipment conforming to requirements of Subsections 103b, 103e, 103f, 103g, 103h, and 103i and as specified in the worklist.

504a - Minimum compaction required shall be 6 passes over each full-width layer, or fraction thereof, as measured along the centerline per layer of material.

506 - The inlet end of existing drainage shall be cleared of vegetative debris and boulders that are of sufficient size to obstruct normal stream flow. Pipe inverts shall be cleared of sediment and other debris lodged in the barrel of the pipe. The outflow area of pipe structures shall be cleared of rock and vegetative obstructions which will impede the structure's designed outflow configuration. Catch basins shall conform to the lines, grade, dimensions, and typical diagram shown on the plans.

507 - Existing drainage structures shall be replaced with structures of the type, gauge, diameter, and length shown on the plans and in accordance with the placement requirements set forth under section 400 of these specifications.

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

specifications.

509 - The finished grading shall be approved in writing by the Authorized Officer 3 days prior to surfacing operations. 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 compaction of embankments, roadbeds, backfills, base courses, surface courses, 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.

605 - The Purchaser shall secure the necessary water permits and pay all required water fees for use of water source(s) selected by the Purchaser and approved by the Authorized Officer.

AGGREGATE BASE COURSE - 900
SCREENED ROCK MATERIAL

901 - This work shall consist of furnishing, hauling, and placing one or more lifts of screened rock material on roadbeds approved for placing screened rock material in accordance with these specifications and conforming to the dimensions and typical cross sections shown on the plans.

902a - Screened rock materials to be used in this work may be obtained from commercial sources selected by the Purchaser, at his option, providing the rock materials furnished comply with these specifications and the source(s) are approved in writing by the Authorized Officer prior to use.

903 - Screened rock material shall conform to the following gradation requirements:

Table 903

SCREENED ROCK MATERIAL GRADATION REQUIREMENTS
Percentage by Weight Passing Square Mesh Sieves
(AASHTO T 27)

Sieve Designation	Gradation			
	A	B	C	D
4-inch	**100**			
3-inch	**95-100**	100		
2-inch		95-100	100	
1-1/2 inch			95-100	100
1-inch				95-100
No. 4	**11-44**	16-49	21-54	26-59
No. 200	**2-15**	2-15	0-15	0-15

904 - Screened rock material retained on the No. 4 sieve shall have a percentage of loss of not more than 35 at 500 revolutions as determined by AASHTO T 96.

904a - Screened rock material shall show a durability value of not less than 35 as determined by AASHTO T 210.

905 - The roadbed as shaped and compacted under sections 300 and 500 of these specifications, shall be approved in writing by the Authorized Officer prior to placement of screened rock materials. Notification for final inspection, prior to rocking, shall be 3 days prior to that inspection and shall be 5 days prior to start of rock operations.

906 - Screened rock material shall be placed in layers not to exceed 6 inches in thickness. Where the required total thickness is more than 6 inches, the rock material shall be shaped and compacted in two or more layers of approximately equal thickness.

906a - Screened rock materials used to repair or reinforce a soft, muddy, frozen, yielding, or rutted subgrade(s) shall not be construed as surfacing under this specification.

907 - Filler or binder material obtained from commercial sources shall be uniformly blended with the screened rock material on the road. Filler or binder materials shall be free from stones, vegetative matter, and other deleterious materials.

908 - Screened rock material shall be blade-processed and spread to required dimensions. Processing shall be performed in such a manner as to minimize aggregate segregation.

910 - Screened rock material, bladed and shaped as specified, shall be moistened or dried to optimum moisture content for maximum compaction and compacted to full width by compaction equipment conforming to the requirements of Subsections 103b, 103e, 103f, 103g, 103h, and 103i. Minimum compaction shall be 6 passes over each full-width layer, or fraction thereof.

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 and base courses 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.

1202 - Crushed rock materials used in this work shall consist of quarry rock, stone, gravel, or other approved materials obtained from BLM stockpiles shown on the plans.

1202a - Crushed rock materials used in this work may be obtained from commercial source(s) 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

GRADATION

Sieve Designation	C	C-1	D	D-1	E	E-1
1-1/2-inch	100	**100**	-	-	-	-
1-inch	-	**-**	100	100	-	-
3/4-inch	50-90	**60-90**	-	70-98	100	100
1/2-inch	-	**-**	-	-	-	70-98
No. 4	25-50	**30-55**	30-60	36-60	40-75	44-70
No. 8	-	**22-43**	-	25-47	-	30-54
No. 30	-	**11-27**	-	12-31	-	15-34
No. 40	5-25	**-**	5-30	-	5-35	-
No. 200	2-15	**3-15**	3-15	3-15	2-15	3-15

1204a - The Purchaser shall be required to take one sample for each 1,000 cubic yards of crushed rock material to be utilized or a minimum of 1 sample per day, using AASHTO sampling procedures. The Purchaser shall submit samples to a certified lab or perform testing for gradation requirements using AASHTO T 11 and AASHTO T 27 testing procedures. Prior to testing, each sample shall be split, making one half of the sample, with proper identification, available for testing by the Authorized Officer. Each sample and the results of Purchaser testing shall be made available to the Authorized Officer within 24 hours of sampling. The Purchaser shall provide test results for the first 500 cubic yards produced prior to commencing production crushing and hauling.

1205 - Crushed rock material retained on the No. 4 sieve shall have a percentage of loss of not more than 35 at 500 revolutions, as determined by AASHTO T 96.

1206 - Crushed rock material shall show a durability value of not less than 35 as determined by AASHTO T210.

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.

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 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 or base course shall be completed and approved in writing, prior to placing crushed rock material, in accordance to the requirements of Subsections 300 and 500 for placing on the roadbed and Subsection 900 for placing on the base course. Notification for final inspection prior to rocking shall be 3 days prior to the inspection and shall be 5 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 and base course in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Compacted layers shall not exceed 4 inches in depth. When more than one layer is required, each shall be shaped, processed, 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 Subsections 103b, 103e, 103f, 103g, 103h, and 103i. Minimum compaction shall be 6 passes over each full-width layer, or fraction thereof.

SLOPE PROTECTION - 1400

1401 - This work shall consist of furnishing, hauling, and placing stone materials for slope protection structures and rock blankets in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross- sections shown on the plans. Material not conforming to these specifications will be rejected and shall be removed from the slope protection structure at the purchaser's expense and as directed by the Authorized Officer.

1402 - Stone material shall consist of hard angular quarry rock of such quality that it will not disintegrate on exposure to water or weathering, and shall be graded in accordance with these specifications.

NOTE: Guide for relation between volume, size and weight. (175 lbs./cu./ft.):

Volume/ Cubic Foot	*Average Dimension in inches*	*Approximate Weight in Pounds*
12	*27.5 x 27.5 x 27.5*	*2100*
6	*21.8 x 21.8 x 21.8*	*1050*
4	*19.1 x 19.1 x 19.1*	*700*
3	*17.3 x 17.3 x 17.3*	*525*
1	*12.0 x 12.0 x 12.0*	*175*
2/3	*10.5 x 12.0 x 12.0*	*120*
½	*9.5 x 9.5 x 9.5*	*88*
1/3	*8.3 x 8.3 x 8.3*	*60*
¼	*7.6 x 7.6 x 7.6*	*44*
1/6	*6.6 x 6.6 x 6.6*	*30*
1/8	*6.0 x 6.0 x 6.0*	*22*
1/100	*2.6 x 2.6 x 2.6*	*2*

1404 - The material shall be well graded from the smallest to the maximum size specified. Stones smaller than the specified 10 percent size shall consist of spalls and fine rock fragments so distributed as to provide a stable compact mass.

1405 - Rip rap shall conform to the following gradations:

TABLE 1405

Class	Approx. Cubic Dimension (inches)	Sphere Diameter (inches)	% of Total Volume Smaller than Size of Stone
1	6-8	8	100
	5-6	6	80
	2-5	6	50
	0-2	2	10

2	8-10	12	100
	6-8	8	80
	3-6	6	50
	0-3	4	10
3	**14-16**	**21**	**100**
	10-14	**18**	**80**
	5-10	**12**	**50**
	0-5	**6**	**10**
4	18-20	24	100
	14-18	22	80
	6-14	18	50
	0-6	8	10
5	26-28	36	100
	20-26	32	80
	8-20	25	50
	0-8	10	10
6	28-34	42	100
	22-28	34	80
	10-22	27	50
	0-10	12	10

*Rocks smaller than six inches in diameter are not counted.

1405a - Stone materials shall show a durability value of not less than 50 as determined by AASHTO T 210.

1406a - The embankment shall be placed in successive horizontal layers of sufficient depth to contain the maximum size rock present in the material. Spalls and finer fragments of stone other than specified in Subsection 1405 shall be used to chock the larger stones solidly in position and to fill voids between the major stones as laid in the embankment. The exposed face of the embankment shall be reasonably smooth and uniform; material shall be prevented from escaping beyond the toe of the structure.

1407 - Determination of the acceptability of the slope protection material gradation will be through visual inspection by the Authorized Officer.

1408b - The Purchaser shall excavate unsuitable roadway material as shown on the plans or directed by the Authorized Officer prior to the placement of the required rock blanket or structure at the following locations:

Road No.	M.P.
39-5-17.04	0.64
39-5-17.06	0.12
	0.13

	0.14

1410 - The embankment slopes at the following locations:

Road No.	M.P.
39-5-17.04	0.64
39-5-17.06	0.12
	0.13
	0.14

shall be protected and stabilized by placement of rock materials to form a slope-protection structure conforming to the construction requirements and details of these specifications.

EROSION CONTROL - 1700

1701 - This work shall consist of measures to control soil erosion or water pollution during the construction operation through the use of berms, dikes, dams, sediment basins, fiber mats, netting, gravel, mulches, grasses, slope drains, straw bales, and other erosion control devices or methods in accordance with these specifications and conforming to the lines, grades, dimensions and typical cross sections shown on the plans.

1704 - The erosion control provisions specified under this Subsection shall be coordinated with the Soil Stabilization requirements of Section 1800.

1705 - The surface area of erodible earth material exposed at any one time by clearing and grubbing shall not exceed 21,780 square feet (0.50 acres) after October 15 without prior approval by the Authorized Officer.

1706 - The surface area of erodible earth material exposed at one time by excavation, borrow, or fill within the right-of-way shall not exceed 21,780 square feet (0.50 acres) after October 15 without prior approval by the Authorized Officer.

1706a - The Purchaser shall perform, during the same construction season, erosion control measures on all exposed excavation, borrow, and embankment areas.

1707 - Completed and partially completed segments of roads at the following locations:

Road No.	From Sta.	To Sta.
TR 03-03B	0+00	17+40
TR 12-05	0+00	19+50
TR 17-01	0+00	3+50
TR 17-02A	0+00	12+10
TR 17-03A	0+00	9+60
TR 26-01A	0+00	6+10
TR 26-01B	0+00	1+65
TR 26-01E	0+00	2+00
TR 34-03	0+00	6+00

to be carried over the winter and early spring periods shall be stabilized by seeding and mulching in accordance with Section 1800.

1708 - Newly constructed roads to be carried over the winter period, shall be blocked to vehicular traffic.

1708a - Road segments not completed during dry weather periods shall be winterized, by providing a well-drained roadway using water bars, maintaining drainage, and performing additional measures necessary to minimize erosion and other damage to the roadway, as directed by the Authorized Officer. Portions of roads not having surface rock in place will

be blocked or barricaded to prevent vehicular traffic.

1711 - The Purchaser shall construct sediment and check dams conforming to the requirements and details shown on the respective exhibits and on the plans.

1713 - Where newly constructed logging spur roads join with existing surfaced roads, the Purchaser shall construct a sag in the spur road profile and install a culvert in accordance with the requirements and details as directed by the Authorized Officer.

SOIL STABILIZATION – 1800

1801 - This work shall consist of seeding and mulching on designated cut, fill, borrow, disposal, and special areas in accordance with these specifications. This work is required for road acceptance under Section 18 of this contract.

1802 - Soil stabilization work consisting of seeding and mulching shall be performed on existing roads and designated locations in accordance with these specifications at the following locations:

Road No.	From M.P./Sta	To M.P./Sta	Activity Type
39-5-07.00 C1-C2	2.38	2.72	Roadside Management Unit
39-5-17.00	0.78	0.85	Roadside Management Unit
	0.89	0.92	Roadside Management Unit
	1.01	1.06	Roadside Management Unit
39-5-17.06	0.00	0.28	Road Improvement
39-5-18.01 C	2.49	2.56	Roadside Management Unit
	3.30	3.62	Roadside Management Unit
39-5-22.00 A-B	0.63	0.95	Roadside Management Unit
	1.02	1.38	Roadside Management Unit
	1.43	1.92	Roadside Management Unit
	1.92	2.22	Roadside Management Unit
	2.39	2.51	Roadside Management Unit
	2.62	2.76	Roadside Management Unit
	2.82	3.03	Roadside Management Unit
	3.11	4.07	Roadside Management Unit
	4.13	4.42	Roadside Management Unit
39-5-34.00	0.00	0.30	Roadside Management Unit
39-5-34.01	0.00	0.15	Roadside Management Unit
39-6-01.01	0.00	0.26	Road Improvement
39-6-09.02	0.68	0.95	Roadside Management Unit
39-6-11.00 A-D	0.00	0.58	Roadside Management Unit
	0.60	0.63	Roadside Management Unit
	0.67	1.00	Roadside Management Unit
	1.07	1.15	Roadside Management Unit
	1.23	1.29	Roadside Management Unit
	1.40	1.47	Roadside Management Unit
	1.69	2.30	Roadside Management Unit
	2.52	3.69	Roadside Management Unit
	3.71	4.25	Roadside Management Unit
	4.30	5.09	Roadside Management Unit
	5.11	5.13	Roadside Management Unit
	5.37	5.53	Roadside Management Unit
	5.56	5.59	Roadside Management Unit
	5.62	6.01	Roadside Management Unit
	6.15	6.96	Roadside Management Unit

39-6-11.03	0.00	0.16	Road Improvement
39-6-12.01	0.24	0.66	Road Renovation
39-6-12.02	0.00	0.22	Road Renovation
39-6-23.00	0.03	0.26	Roadside Management Unit
39-6-25.00 A	0.00	0.07	Roadside Management Unit
	0.11	0.32	Roadside Management Unit
	0.42	0.48	Roadside Management Unit
	0.55	0.61	Roadside Management Unit
39-6-25.01	0.00	0.60	Roadside Management Unit
39-6-25.05	0.00	0.26	Road Improvement
TR 03-03B	0+00	17+40	Road Construction
TR 12-05	0+00	19+50	Road Construction
TR 17-01	0+00	3+50	Road Construction
TR 17-02A	0+00	12+10	Road Construction
TR 17-03A	0+00	9+60	Road Construction
TR 26-01A	0+00	6+10	Road Construction
TR 26-01B	0+00	1+65	Road Construction
TR 26-01E	0+00	2+00	Road Construction
TR 34-03	0+00	6+00	Road Construction

1802a - Soil stabilization work consisting of seeding and mulching shall be performed on new road construction, improvements, landings, disturbed areas, and disposal sites in accordance with these specifications and as shown on the plans.

1803 - Soil stabilization work as specified under Subsections 1802 and 1802a shall be performed during the following seasonal periods:

From: September 1	To: October 31 (of the same year)

If soil stabilization of disturbed areas is not completed by the specified fall date, the Purchaser shall treat disturbed areas in accordance with Subsection 1707 and then complete the requirements of Section 1800 the next construction season.

The Authorized Officer may modify the above seasonal dates to conform to existing weather conditions and changes in the construction schedule.

1803a - The Purchaser shall begin soil stabilization work within 10 days of the starting work date when notified by the Authorized Officer.

1806a - Additional soil stabilization work consisting of seeding and mulching, may be required at the option of the Authorized Officer. Providing the additional stabilization is not due to Purchaser negligence as specified in Sec. 12 of the contract, a reduction in the total purchased price shall be made to offset the cost of furnishing and applying such additional stabilization material. Cost shall be based upon the unit price set forth in the current BLM Timber Appraisal Production Cost Schedule.

1808 - Mulch materials conforming to the requirements of Subsection 1808a shall be furnished by the Purchaser in the amounts specified under Subsection 1811 and applied in accordance with Subsection 1812.

1808a - Straw mulch shall be certified weed free from commercial grain fields and native grass fields. Straw mulch shall be from oats, wheat, rye, or other approved grain crops and shall be free from mold, or other objectionable material. Straw mulch shall be in an air-dry condition and suitable for placement.

1809 - Mulch material shall be delivered to the work area in a dry state. Material found to be wet will not be accepted. Material to be used in the mulching operation may be stockpiled along the road designated for treatment provided that it is maintained in a dry state and has the approval of the Authorized Officer.

1810 - Bulk mulching material required under these specifications shall be delivered to the work area bound either by twine, string or hemp rope. Wire binding will not be permitted.

1811 - The Purchaser shall furnish and apply to approximately **9.00** acres designated for treatment as shown on the plans and as specified under Subsections 1802 and 1806a, a mixture of grass seed and mulch material at the following rate of application:

a. Two Stage:

Grass Seed	20 lbs./acre
Mulch	2,000 lbs./acre

The above proportion and application rate are subject to adjustment by the Authorized Officer during the application operation.

1814 - The Purchaser may reduce the application rate on partially covered slopes and refrain from application on areas already well stocked with grass or on rock surfaces as determined by the Authorized Officer.

1815 - The seed and mulch materials shall be placed by the dry method in accordance with the requirements set forth in Subsection 1815b.

1815b - Dry Method - Blowers, mechanical seeders, seed drills, landscape seeders, cultipaker seeders, fertilizer spreaders, or other approved mechanical seeding equipment may be used when seed and fertilizer are to be applied in dry form.

1817 - At the beginning of each day's operation, a measured area will be seeded and mulched to assure uniform application.

1819 - The Purchaser shall notify the Authorized Officer at least 3 days in advance of date he intends to commence the specified soil stabilization work.

1821 - Mulch that collects at the end of culverts or accumulates to excessive depths on the slopes shall be evenly spread by hand methods, as directed by the Authorized Officer.

1822 - No materials shall be applied when wind velocities would prevent a uniform application of the mix or slurry or when winds would drift the mix or slurry spray outside of the designated treatment area.

1824 - Twine, rope, sacks, and other debris resulting from the soil-stabilization operation shall be picked up and disposed of to the satisfaction of the Authorized Officer.

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 (Exhibit C6) of this exhibit, at designated locations as shown in the plans.

2102 - Roadside brushing may be performed mechanically with self-powered, self-propelled equipment or manually with hand tools, including chain saws.

2103 - Vegetation cut manually or mechanically less than 8 inches in diameter when measured at D.B.H. shall be cut to a maximum height of 1 inch above the ground surface or above obstructions such as rocks or stumps on cut and fill slopes and all limbs below the 2-inch area will be severed from the trunk.

2103a - Vegetation shall be cut and removed from the roadbed between the outside shoulder(s) and the ditch centerline and such vegetation shall be cut to a maximum height of 1 inch above the ground and running surface. Limbs below the 1-inch area will be severed from the trunk. **Sharp pointed ends will not be permitted.** Cuts shall be parallel to the ground line or running surface.

2104 - Trees in excess of 8 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 14 feet above the running surface 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 8 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 14 feet in elevation above the running surface shall be cut, to within 1 inches 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.

2107 - Inside curves shall be brushed out for a sight distance of 200 feet chord distance or a middle ordinate distance of 25 feet, whichever is achieved first. Overhanging limbs and vegetation in excess of 1 foot in height, shall be cut within these areas.

2108 - Self-propelled equipment shall not be permitted on cut and fill slopes or in ditches.

2110 - Vegetation 8 inches and smaller in diameter shall be chipped. Chips shall be scattered downslope from the roadway. Vegetation over 8 inches in diameter shall be disposed of by direction of the Authorized Officer.

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.

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Sale: Cedar Flat Timber Sa
Sale Date: 09/2026
Prep. By : BLM
Tract No: ORM07-TS-2026.0007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROAD MAINTENANCE AND ROAD USE APPRAISAL WORK SHEET

Summary of Costs

1.1) Road Use - Amortization: $0.00/13511 MBF = $0/MBF

Road Maintenance Obligation:

(2.1) BLM Maintenance		$36,162.70
(2.2) BLM Rockwear	$7,494.20	
(5.1) Purchaser Maintenance Rockwear	$9,243.25	
Total Rockwear Payable to BLM		$16,737.45
(3.1) 3rd Party Maintenance		$0.00
(3.2) 3rd Party Rockwear		$95.76
(4.1) Other Maintenance Payments		$0.00
Total Maintenance Fee Obligation (2.1-5.1)		$52,995.91

Purchaser Maintenance Allowances:

(5.2A) Move In	$10,820.25
(5.2B) Culverts, Catch Basins, Downspouts	$11,820.82
(5.2C) Grading, Ditching	$21,577.56
(5.2D) Slide Removal and Slump Repair	$5,986.60
(5.2E) Dust Palliative (Water)	$17,247.00
(5.2F) Surface Repair (Aggregate)	$44,050.00
(5.2G) Other	$0.00
Total Purchaser Maintenance Allowances (5.2A-5.2G)	111,502.23

(2.1-5.2G) Cost ($52,995.91 + 111,502.23) = $164,498.14
Cost/MBF 164498.14 / 13511 MBF = $12.18/MBF

(5.2H) Decommissioning	$24,950.00

(5.2H) Cost/MBF $24,950.00/13511 MBF = $1.85/MBF

(2.1-5.2H) Cost ($52,995.91 + $111,502.23 + $24,950.00) = $189,448.14

Total Cost/MBF (Excluding Road Use) $189,448.14/13511 MBF = $14.02/MBF

1) Road Use Fees - Amortization

Details

R/W Number	Road Number	Rd Use Fee x	Vol MBF =	Road Use Obligation

Subtotal by agreement number

(1.1) Subtotal $0.00

2) BLM Maintenance - Timber Haul

			MAINTENANCE (2.1)				ROCKWEAR (2.2)			
Road Number and Segment	A N	Surf Type	Mi	Maint x Fee x	Vol MBF	= Maint	Fee x	MBF =	Rkwear	
39-5-06.00 E	A	BST	0.23	0.82	840	$158.42	0.00	840	$0.00	
39-5-06.00 E	A	BST	0.52	0.82	1490	$635.34	0.00	1490	$0.00	
39-5-06.00 D	N	BST	0.02	1.45	1490	$43.21	0.00	1490	$0.00	
39-5-06.00 D	N	BST	0.99	1.45	2140	$3,071.97	0.00	2140	$0.00	
39-5-06.00 D	A	BST	0.42	0.82	2140	$737.02	0.00	2140	$0.00	
39-5-06.00 D	A	BST	0.29	0.82	2650	$630.17	0.00	2650	$0.00	
39-5-06.00 D	A	BST	0.46	0.82	3619	$1,365.09	0.00	3619	$0.00	
39-5-06.00 C-DA		BST	1.35	0.82	3659	$4,050.51	0.00	3659	$0.00	
39-5-06.00 B-CA		BST	0.15	0.82	3866	$475.52	0.00	3866	$0.00	
39-5-06.00 B	A	BST	0.07	0.82	4362	$250.38	0.00	4362	$0.00	
39-5-06.00 B	A	BST	0.41	0.82	4686	$1,575.43	0.00	4686	$0.00	
39-5-06.00 A-BA		BST	1.33	0.82	4806	$5,241.42	0.00	4806	$0.00	
39-5-06.00 A	A	BST	0.74	0.82	4973	$3,017.62	0.00	4973	$0.00	
39-5-14.00 A	A	BST	1.34	0.82	862	$947.17	0.00	862	$0.00	
39-5-18.01 D	A	BST	0.16	0.82	337	$44.21	0.00	337	$0.00	
39-5-18.01 C	A	BST	0.32	0.82	357	$93.68	0.00	357	$0.00	
39-5-18.01 C	A	BST	0.09	0.82	537	$39.63	0.00	537	$0.00	
39-5-18.01 C	A	BST	0.52	0.82	1573	$670.73	0.00	1573	$0.00	
39-5-18.01 C	A	BST	0.15	0.82	1623	$199.63	0.00	1623	$0.00	
39-5-18.01 B-CA		BST	0.33	0.82	1793	$485.19	0.00	1793	$0.00	
39-5-18.01 B	A	BST	1.62	0.82	3387	$4,499.29	0.00	3387	$0.00	
39-5-18.01 A-BA		BST	0.61	0.82	3844	$1,922.77	0.00	3844	$0.00	
39-5-22.00 B	A	AGG	0.95	0.74	520	$365.56	0.95	520	$469.30	
39-5-22.00 B	A	AGG	0.92	0.74	669	$455.46	0.95	669	$584.71	
39-5-22.00 B	A	AGG	0.92	0.74	826	$562.34	0.95	826	$721.92	
39-5-22.00 A-BA		AGG	1.63	0.74	862	$1,039.74	0.95	862	$1,334.81	
39-5-31.01	A	AGG	0.07	0.74	167	$8.65	0.95	167	$11.11	
39-6-11.00 D	A	AGG	1.44	0.74	1594	$1,698.57	0.95	1594	$2,180.59	
39-6-11.00 D	A	AGG	0.80	0.74	1092	$646.46	0.95	1092	$829.92	
39-6-11.00 D	A	AGG	0.94	0.74	468	$325.54	0.95	468	$417.92	
39-6-11.00 C-DA		AGG	0.76	0.74	44	$24.75	0.95	44	$31.77	
39-6-11.00 B-CA		AGG	1.03	0.74	75	$57.17	0.95	75	$73.39	
39-6-11.00 B	N	AGG	1.05	0.96	105	$105.84	0.95	105	$104.74	
39-6-11.00 A	A	AGG	0.16	0.74	105	$12.43	0.95	105	$15.96	
39-6-11.00 A	A	AGG	0.41	0.74	185	$56.13	0.95	185	$72.06	
39-6-11.00 A	A	AGG	0.90	0.74	510	$339.66	0.95	510	$436.05	
39-6-36.00 B	A	AGG	0.17	0.74	170	$21.39	0.95	170	$27.46	
39-6-36.00 A-BA		AGG	0.57	0.74	337	$142.15	0.95	337	$182.49	
39-6-36.00 A	A	BST	0.53	0.82	337	$146.46	0.00	337	$0.00	

(2.1) Subtotal $36,162.70 (2.2) Subtotal $7,494.20

3) Third Party Maintenance and Rockwear

			MAINTENANCE (3.1)				ROCKWEAR (3.2)			
Agrmnt Number	Surface Type	Road Number	Mi	x Fee	x MBF =	Maint	Fee x	MBF =	Rkwear	
FS	NAT	FS 4609-940	0.17							

$0.00 x 85	= $0.00				
M-1166A	NAT	39-5-19.07	0.10	$0.00 x 10	= $0.00
M-1166C	NAT	39-6-25.04 B	0.30	$0.00 x 100	= $0.00
M-1182	AGG	39-5-19.00 B	0.36	$0.95 x 280	= $95.76
M-1538	NAT	39-6-26.00 A	0.44	$0.00 x 431	= $0.00

Subtotal of maintenance fees by agreement number:
Subtotal of rockwear fees by agreement number:

FS	$0.00
M-1166A	$0.00
M-1166C	$0.00
M-1182	$95.76
M-1538	$0.00

(3.1) Subtotal	$0.00	
(3.2) Subtotal		$95.76

4) Other Maintenance Payments - USFS or Others Perform Maintenance

Agency	Road Number	Miles (Log)	x	Vol (mbf)	x	Fee MBF/MI	=	Cost

(4.1) Subtotal $0.00

5) Purchaser Maintenance - Rock Wear

TIMBER HAUL (5.1)

Road No and Segment	A N	Mi	x	RkWear Fee	x	Vol MBF	=	Total RkWear
37-6-36.00 J	A	0.19	x	$0.95	x	215	=	$38.81
39-5-06.02 A	A	0.33	x	$0.95	x	40	=	$12.54
39-5-06.02 A	A	0.57	x	$0.95	x	167	=	$90.43
39-5-07.00 C2	A	0.40	x	$0.95	x	194	=	$73.72
39-5-07.00 C1	A	0.14	x	$0.95	x	517	=	$68.76
39-5-07.00 C1	A	0.37	x	$0.95	x	717	=	$252.03
39-5-07.00 B-C1	A	0.33	x	$0.95	x	1068	=	$334.82
39-5-07.00 B	A	0.22	x	$0.95	x	1178	=	$246.20
39-5-07.00 A-B	A	0.63	x	$0.95	x	1484	=	$888.17
39-5-07.00 A	A	0.20	x	$0.95	x	2308	=	$438.52
39-5-07.00 A	A	0.63	x	$0.95	x	2846	=	$1,703.33
39-5-07.01	A	0.53	x	$0.95	x	81	=	$40.78
39-5-07.01	A	0.18	x	$0.95	x	127	=	$21.72
39-5-17.00	A	0.31	x	$0.95	x	7	=	$2.06
39-5-17.00	A	0.25	x	$0.95	x	247	=	$58.66
39-5-17.00	A	0.52	x	$0.95	x	824	=	$407.06
39-5-17.03	A	0.07	x	$0.95	x	50	=	$3.33
39-5-17.04	A	0.16	x	$0.95	x	23	=	$3.50
39-5-17.04	A	0.28	x	$0.95	x	427	=	$113.58
39-5-17.04	A	0.42	x	$0.95	x	527	=	$210.27
39-5-17.05	A	0.05	x	$0.95	x	50	=	$2.38
39-5-17.06	A	0.28	x	$0.95	x	226	=	$60.12
39-5-19.00 A-C	N	0.14	x	$0.95	x	280	=	$37.24
39-5-19.00 B	N	0.36	x	$0.00	x	280	=	$0.00
39-5-19.00 A	A	0.19	x	$0.95	x	280	=	$50.54
39-5-19.00 A	A	0.23	x	$0.95	x	536	=	$117.12
39-5-19.00 A	A	0.56	x	$0.95	x	916	=	$487.31
39-5-19.00 A	A	0.28	x	$0.95	x	986	=	$262.28

39-5-19.02	A	1.12 x $0.95 x 351 =	$373.46
39-5-19.04	A	0.31 x $0.95 x 200 =	$58.90
39-5-19.05	N	0.16 x $0.95 x 150 =	$22.80
39-5-19.06	N	0.27 x $0.95 x 150 =	$38.48
39-5-19.07	A	0.10 x $0.00 x 10 =	$0.00
39-5-27.02	A	0.03 x $0.95 x 50 =	$1.43
39-5-34.00	A	0.59 x $0.95 x 354 =	$198.42
39-5-34.01	A	0.15 x $0.95 x 128 =	$18.24
39-6-01.00	A	0.49 x $0.95 x 196 =	$91.24
39-6-01.01	A	0.26 x $0.00 x 220 =	$0.00
39-6-02.02	N	0.46 x $0.00 x 90 =	$0.00
39-6-02.02	N	0.43 x $0.00 x 650 =	$0.00
39-6-03.00	N	0.27 x $0.95 x 70 =	$17.96
39-6-03.00	N	0.40 x $0.95 x 337 =	$128.06
39-6-03.00	N	0.39 x $0.95 x 840 =	$311.22
39-6-03.00	A	0.68 x $0.95 x 840 =	$542.64
39-6-09.02	N	0.25 x $0.00 x 303 =	$0.00
39-6-09.02	N	0.70 x $0.00 x 503 =	$0.00
39-6-11.03	A	0.16 x $0.95 x 277 =	$42.10
39-6-12.01	A	0.66 x $0.95 x 553 =	$346.73
39-6-12.02	A	0.22 x $0.95 x 120 =	$25.08
39-6-12.03	A	0.16 x $0.95 x 217 =	$32.98
39-6-12.04	A	0.13 x $0.95 x 130 =	$16.06
39-6-23.00	A	0.31 x $0.95 x 194 =	$57.13
39-6-23.02	A	0.23 x $0.95 x 100 =	$21.85
39-6-25.00 A	A	0.61 x $0.95 x 770 =	$446.22
39-6-25.01	A	0.76 x $0.95 x 556 =	$401.43
39-6-25.04 E	A	0.04 x $0.00 x 50 =	$0.00
39-6-25.04 C-D	N	0.09 x $0.00 x 50 =	$0.00
39-6-25.04 C	N	0.07 x $0.00 x 100 =	$0.00
39-6-25.04 B	N	0.30 x $0.00 x 100 =	$0.00
39-6-25.04 A	A	0.30 x $0.00 x 180 =	$0.00
39-6-25.05	A	0.10 x $0.00 x 50 =	$0.00
39-6-25.05	A	0.16 x $0.95 x 168 =	$25.54
39-6-26.00 B	N	0.27 x $0.00 x 431 =	$0.00
39-6-26.00 A	N	0.44 x $0.00 x 431 =	$0.00

(5.1) Subtotal $9,243.25

Purchaser Operational Maintenance

Move In

Equipment	No Units	Move x	Cost/ in x	Dist 50 Mi x	Sub-Factor =	total
Motor Grader:	1	5		558	0.63	$1,757.70
Back Hoe:	1	5		415	0.63	$1,307.25
Loader:	1	5		558	0.63	$1,757.70
Water Truck:	1	5		138	0.63	$434.70
Dump Truck:	5	5		130	0.63	$2,047.50
Excavator:	1	5		558	0.63	$1,757.70
Roller:	1	5		558	0.63	$1,757.70

(5.2A) Total $10,820.25

Culvert Maintenance - Including Catch basins and Downpipes

Miles	x Cost/Mi	= Subtotal
22.97	$514.62	$11,820.82

(5.2B) Total $11,820.82

Grading (Includes Ditches and Shoulders)

Miles	x Cost/Mi	x Freq	= Subtotal
Blade w/ Ditch:	22.97	939.38	1 $21,577.56
Blade w/o Ditch:	0.00	568.71	0 $0.00

(5.2C) Total $21,577.56

Slide and Slough removal, Slump Repair (15 sta-yds. ea.)

Type Equipment	No Slides /Slumps	x Hours Each	x Equip Cost	= Subtotal
Grader:	5	4	$187.45	$3,749.00
Loader:	0	0	$117.39	$0.00
Backhoe:	5	4	$111.88	$2,237.60

(5.2D) Total $5,986.60

Dust Palliative (Water)

Spreading Hours

No Miles	/ Freq MPH	= Truck Hours	x Days	x /Day	= Hours
2.39	5	0.5	60	1	30

Load & Haul =	1.0	60	1	60
Return trip =	1.0	60	1	60
Total Hours =	150			

Truck Cost: $114.98/Hr. x 150.0 Hours = $17,247.00

(5.2E) Total $17,247.00

Surface Repair (Aggregate)

Quarry / Source Name: CPI - 1.5" minus

Production Cost:	1000.0 CY x $18.00/CY	= 18,000.00
Haul to Stockpile:		
Grades > 15%	1000.0 CY x (($2.56/CY x 3.00 Mi) + $1.71)	= $9,390.00
Grades <= 15%	1000.0 CY x (($1.28/CY x 5.00 Mi) + $1.71)	= $8,110.00
State / Co Roads	1000.0 CY x (($0.57/CY x 12.00 Mi) + $1.71)	= $8,550.00
	SubTotal	$44,050.00

(5.2F) Total $44,050.00

Other

Fallen Timber Cutting:	0.0 Hours x $0.00/Hour	=$0.00
Brush Cutting/Tree Trimming:	0.0 Hours x $0.00/Hour	=$0.00
Oil/Asphalt Materials:	Lump Sum	=$0.00
Signing for Dust Palliatives:	Lump Sum	=$0.00
	Lump Sum	=$0.00
	Lump Sum	=$0.00
	Lump Sum	=$0.00
	Lump Sum	=$0.00
	Lump Sum	=$0.00

(5.2G) Total $0.00

Decommissioning

Time & Equipment

39-5-19.07 Construct Water Bar: 2 EA @ $100.00/EA =$200.00
39-5-19.07 Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
39-5-34.00 Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
39-5-34.00 Construct Water Bar: 18 EA @ $100.00/EA =$1,800.00
39-5-34.00 Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
39-5-34.01 Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
39-5-34.01 Construct Water Bar: 4 EA @ $100.00/EA =$400.00
39-5-34.01 Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
39-6-01.01 Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
39-6-01.01 Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
39-6-01.01 Construct Water Bar: 8 EA @ $100.00/EA =$800.00
39-6-09.02 Construct Water Bar: 13 EA @ $100.00/EA =$1,300.00
39-6-25.04 A-E Construct Earth Barricade: 2 EA @ $400.00/EA =$800.00
39-6-25.04 A-E Construct Water Bar: 11 EA @ $100.00/EA =$1,100.00
39-6-25.05 Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
39-6-25.05 Remove Culvert - Construct Earth Barricade : 1 EA @ $750.00/EA =$750.00
39-6-25.05 Construct Water Bar: 2 EA @ $100.00/EA =$200.00
39-6-26.00 A-B Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
39-6-26.00 A-B Construct Water Bar: 6 EA @ $100.00/EA =$600.00
TR 03-03B Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
TR 03-03B Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
TR 03-03B Construct Water Bar: 11 EA @ $100.00/EA =$1,100.00
TR 03-03B Seed and Mulch: 0.4 AC @ $1000.00/AC =$400.00
TR 12-05 Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
TR 12-05 Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
TR 12-05 Construct Water Bar: 12 EA @ $100.00/EA =$1,200.00
TR 12-05 Seed and Mulch: 0.6 AC @ $1000.00/AC =$600.00
TR 17-01 Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
TR 17-01 Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
TR 17-01 Construct Water Bar: 2 EA @ $100.00/EA =$200.00
TR 17-01 Seed and Mulch: 0.1 AC @ $1000.00/AC =$100.00
TR 17-02A Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
TR 17-02A Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
TR 17-02A Construct Water Bar: 7 EA @ $100.00/EA =$700.00
TR 17-02A Seed and Mulch: 0.35 AC @ $1000.00/AC =$350.00
TR 17-03A Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
TR 17-03A Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
TR 17-03A Construct Water Bar: 6 EA @ $100.00/EA =$600.00
TR 17-03A Seed and Mulch: 0.2 AC @ $1000.00/AC =$200.00
TR 26-01A Camouflage Entrance - Large Excavator: 1 EA @ $500.00/EA =$500.00
TR 26-01A Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
TR 26-01A Construct Water Bar: 4 EA @ $100.00/EA =$400.00
TR 26-01A Seed and Mulch: 0.2 AC @ $1000.00/AC =$200.00
TR 26-01B Construct Water Bar: 1 EA @ $100.00/EA =$100.00
TR 26-01B Seed and Mulch: 0.05 AC @ $1000.00/AC =$50.00
TR 26-01E Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
TR 26-01E Construct Water Bar: 1 EA @ $100.00/EA =$100.00
TR 26-01E Seed and Mulch: 0.05 AC @ $1000.00/AC =$50.00
TR 34-03 Construct Earth Barricade: 1 EA @ $400.00/EA =$400.00
TR 34-03 Construct Water Bar: 3 EA @ $100.00/EA =$300.00
TR 34-03 Seed and Mulch: 0.15 AC @ $1000.00/AC =$150.00
(5.2H) Decommissioning Total $24,950.00

EXHIBIT D1

CEDAR FLAT TIMBER SALE
TRACT NO. ORM070-TS-2026.0007

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT

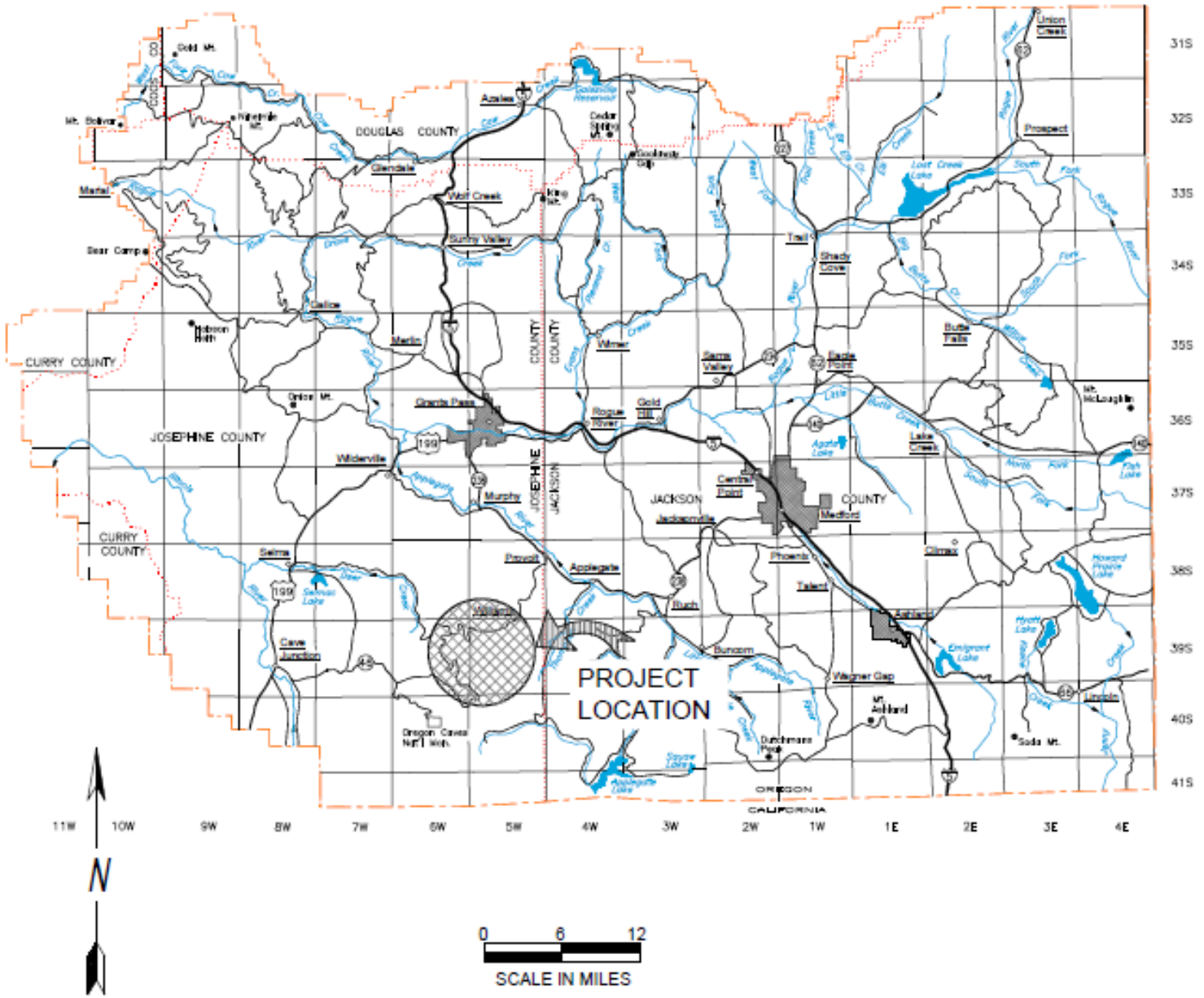


EXHIBIT NO.	DESCRIPTION
D1	MAINTENANCE TITLE SHEET
D2	ROAD MAINTENANCE SPECIFICATIONS
D3	ROAD MAINTENANCE MAPS
D4	ROAD DECOMMISSION WORKLIST
D5	ROAD DECOMMISSION MAPS
D6	ESTIMATE OF QUANTITIES - MAINTENANCE
D7	BARRICADE & WATER BAR DETAILS
D8	DECOMPACTION & CULVERT REMOVAL DETAILS
D9	TYPICAL ROAD CAMOUFLAGE DETAIL

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

CEDAR FLAT TIMBER SALE ROAD MAINTENANCE TITLE SHEET

DRAFTED BY: BLM	SCALE: 1" = 12 MI
DATE: JULY 2026	SHEET: 1 OF 1

ROAD MAINTENANCE SPECIFICATIONS

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3500	Decommissioning	12-13

GENERAL - 3000

3001 - The Purchaser shall be required to maintain all roads as shown on Exhibit D-3 and Exhibit D-5 maps and Exhibit D-6 Maintenance Estimate of Quantities 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, 3403a, 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 constructed, improved, or 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.

3102 - The Purchaser shall furnish (from a commercial source) and place **1,000 cu. yds**. of aggregate conforming to the requirements in Section 1200 of Exhibit C of this contract on the roadway and landings at locations and in the amounts designated by the Authorized Officer.

This aggregate shall be used to repair surface failures and areas of depleted surface depth excluding damages covered by Section 12 of this contract. The aggregate shall be furnished, hauled, placed, spread and graded, and compacted by of a vibratory roller or similar equipment.

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.

3104a - Removal of bank slough and slide material includes placement of material at the nearest designated, suitable disposal site where material cannot erode into streams, lakes, or reservoirs or cause undue damage to road fill slopes which have been planted or mulched to control soil erosion as directed by the Authorized Officer.

3104b - The Purchaser shall be responsible for removal of all slides or slough, up to fifteen station yards in quantity, at any one site. This work includes unlimited multiple sites on all roads required to be maintained by the purchaser.

Prior to removal of any slough or slide material exceeding fifteen station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, method of disposal, and the disposal site. Work may commence immediately after agreement.

Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work, based on current BLM Road Cost Guide. Adjustments in purchase price for completed work shall be made as necessary and no less than once per year when actual work is ongoing.

3105 - The Purchaser shall be responsible for maintaining normal flow in drainage structures.

This includes cleaning out drainage ditches, catch basins, clearing pipe inverts of sediment and other debris lodged in the barrel of the pipe, and maintaining water dips and water-bars using equipment specified in Subsection 3104 and other culvert cleaning and flushing equipment.

3106 - The Purchaser shall be responsible for repair and replacement of all materials eroded from road shoulders and fill slopes, up to fifteen station yards in quantity, at any one site. This work includes unlimited multiple sites on all roads required to be maintained by the Purchaser. Prior to repair and replacement of eroded material exceeding fifteen station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, borrow source and method of repair. Work may commence immediately after agreement.

Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work based upon current BLM Road Cost Guide. Adjustments in purchase price for completed work shall be made as necessary and no less than once per year when actual work is ongoing.

3107 - The Purchaser shall cut or trim trees and brush which obstructs vision or prevents the safe passage of traffic along the traveled way when directed by the Authorized Officer.

The Purchaser shall also cut trees or brush encroaching on the road prism that are a result of his activities or winter damage during the contract period. Disposal of such vegetative material shall be in accordance with Section 2100 of Exhibit C18.

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.

3108a - The Purchaser shall perform logging operations on gravel and/or bituminous roadways only where the locations have been marked on the ground and/or approved by the Authorized Officer. Repair of the roads 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 completion of hauling and in accordance with Sec. 16(b) of this contract. This work shall include any maintenance and/or damage repairs specified in Sections 3000, 3100, and 3200 necessary to meet the conditions specified in Subsection 3002 and shall be executed in accordance with Subsection 3302 of this section.

The Authorized Officer may grant acceptance of Purchaser's maintenance responsibility in part where certain individual roads or road segments are no longer of any use to the Purchaser's remaining removal operations, providing that all contract requirements as specified under Sec. 16(b), 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 Subsections 3108 and 3108a. 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.

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 yd^2 of road surface traveled. Subsequent applications shall be made for each 40 MBF of timber or 120 yds^3 of rock hauled. Subsequent watering may be done at a rate less than one-half gallon per yd^2 when a specified lesser rate is approved by the Authorized Officer.

The following roads shall be watered:

Road Number	From M.P.	to M.P.
39-5-06.02 A	0.00	0.57
39-5-07.00	0.00	0.83
39-5-19.00	0.00	0.49
39-5-22.00 A	0.00	0.50

The Purchaser shall secure any necessary water permits and pay all required water fees for use of the water source(s) selected by the Purchaser and approved by the Authorized Officer.

During drought periods when the transportation of water from the source to the roads noted above exceeds 15 miles, a reduction shall be made in the total purchase price to reflect the additional haul or the substitution of other acceptable dust palliatives in lieu of watering based on equipment rental rates from the current BLM Road Cost Guide.

3403a - During dry hauling conditions when watering is not required, the Purchaser shall

reduce hauling speeds and restrict the number of loads hauled to reduce dust as directed by the Authorized Officer on the following roads:

Road Number	From M.P.	to M.P.
39-5-06.02 A	0.00	0.57
39-5-07.00	0.00	0.83
39-5-19.00	0.00	0.49
39-5-22.00 A	0.00	0.50

Adjustments to the above schedules may be made by the Authorized Officer at his option as hauling conditions improve. The Purchaser, at his option and expense, may elect to substitute watering or other dust palliatives in lieu of the above hauling requirements provided that written approval is received from the Authorized Officer. Such authorization shall include the approval of product specifications for the application and the product to be used.

3404 - The Purchaser may at his option and expense substitute lignin sulfonate for water on any or all road segments listed in Subsection 3403 or 3403a provided that written approval is received from the Authorized Officer. Such authorization shall include the approval of product specifications for the application of the product to be used. Multiple applications may be required to maintain the conditions specified in Subsection 3403.

3405 - **IF LIGNIN SULFONATE IS USED** - The Purchaser shall be required to furnish and apply lignin sulfonate dust palliatives in accordance with these specifications.

This work shall be performed upon acceptance of the required road construction, renovation, or improvement work and be placed prior to any timber hauling other than right-of-way timber and rock hauling.

When timber hauling has commenced during the wet weather season, the Purchaser shall apply the required dust palliative during the subsequent summer hauling season as directed by the Authorized Officer.

Other means of dust abatement needed prior to the application of the required dust palliative shall be applied as approved by Authorized Officer.

The specified dust palliative shall be applied evenly over the specified road surface width of the following roads:

Road Number	From M.P.	to M.P.
39-5-06.02 A	0.00	0.57
39-5-07.00	0.00	0.83
39-5-19.00	0.00	0.49
39-5-22.00 A	0.00	0.50

Turnouts and extra widening shall be included in addition to the spread width.

3405a - Additional lignin sulfonate dust palliative may be required at the option of the Authorized Officer when the functional qualities of the dust palliative have been reduced or become ineffective due to third party damage, rain, or other events not under the control of the purchaser.

All materials and labor shall be furnished by the Purchaser and placed in amounts and locations designated by the Authorized Officer, in which case a reduction in the total purchase price shall be made to offset the cost. Costs will be based upon the unit prices set forth in the current BLM Road Cost Guide.

If additional dust palliative is required due to events controlled by the Purchaser, such as split hauling season, the Purchaser shall furnish and place such material at his own expense.

3405b - The Purchaser shall notify affected residents along the roads to be treated of the planned application of lignin sulfonate dust palliatives at least 5 days prior to the work. Warning signs shall be posted at key intersections to alert users that the road is being treated. All signs shall be removed by the Purchaser within 30 days of treatment.

3406 - Prior to the application of lignin sulfonate dust palliatives, the roadbed shall be bladed and shaped to remove surface irregularities and excess loose material. The prepared surface must have 1/2 to 1 inch of relatively loose material and be visibly moist and drying.

3406b - A light application of water to promote penetration shall be made in advance of the application of the specified dust palliative to allow the drying process to begin and to eliminate any saturated surface conditions.

3406c - The prepared roadbed shall be approved by the Authorized Officer prior to application of the specified dust palliative.

3407 - The Purchaser shall furnish in duplicate, commercial certification signed by vendor of compliance with the lignin sulfonate dust palliatives material requirements specified under Subsection 3412b. Commercial certification includes the date,

identification number of truck or trailer, net mass, and brand name with each shipment. Also provide the net volume and specific gravity at 60 degrees F, percent solids by mass, and PH.

3408 - Dust palliatives shall be applied with standard commercial distribution equipment operated in a manner that the material is uniformly applied on variable widths of surface at controlled rates.

3409 - The Purchaser shall notify the Authorized Officer a minimum of 5 days in advance of application of required dust palliative.

3410 - The Purchaser shall submit an application schedule for all dust palliative work to the Authorized Officer for approval. All work shall be in accordance with the approved plan.

3411 - Required lignin sulfonate dust palliatives shall only be applied when the atmospheric temperature is 45° F and steady or rising and when the weather is not foggy or rainy. Do not apply dust palliative if rain is anticipated within 24 hours of application or when the ground is frozen.

3412 - The Purchaser shall apply to the prepared roadbed specified under Subsection 3405, a lignin sulfonate dust palliative conforming to the material requirements of Subsection 3412b. The rate of application shall be 0.5 gallons per yd^2 surface. A second application at the rate of 0.3 gallons per yd^2 shall be applied at a time designated by the Authorized Officer.

Applied materials not penetrating the road surface shall be blade mixed with additional water into the top 1 to 1½ inches of the surfacing at the Contractor's expense.

3412a - If required, the lignin sulfonate shall be field diluted within the application vehicle and be circulated for at least 5 minutes to assure mixing. An air gap shall be provided between any water source and the materials being diluted. Accidental spills shall be contained to prevent entry in water courses or ponded water. The surface of adjacent structures and trees shall be protected from spattering or marring.

A wetting agent may be used in addition to the certified compound or mixed with the road surface preparation watering. A mix of less than 1:6000 is recommended.

Water used to dilute lignin sulfonate concentrate shall be clean and free of oil, salt, acid, alkali, vegetable matter, or any other substance that contaminates the finished product.

3412b - Specifications for Lignin Sulfonate:

Lignin sulfonate shall be the chemical residue produced as a byproduct of the acid

sulfite pulping process and supplied as a water solution. The base cation shall be ammonia, calcium, or sodium. The product shall be water soluble to allow field dilution. Dilute with water until the mixture contains a minimum 48 percent concentration with the following properties:

Solids	50%
Specific gravity	1.25
PH, AASHTO T289	4.5 min.

Ensure that the material does not exceed the following chemical constituents:

phosphorous	25.00 ppm
cyanide	0.20 ppm
arsenic	5.00 ppm
copper	0.20 ppm
lead	1.00 ppm
mercury	0.05 ppm
chromium	0.50 ppm
cadium	0.20 ppm
barium	10.00 ppm
selenium	5.00 ppm
zinc	10.00 ppm

Apply when the ambient air temperature is 45° F or above.

3413 - Sampling of lignin sulfonate material may be required to validate certificates furnished by the Purchaser. When sampling is directed by the Government, the actual samples will be taken by the Purchaser or his representative in the presence of the Authorized Officer.

DECOMMISSIONING – 3500

3501 - Decommissioning and long term closure work includes installing water bars, camouflaging the entrance, placement of slash or placement of soil stabilization material, and blocking road from access by vehicles as listed in Exhibit D4, Road Decommissioning Worklist. This work is required for road acceptance under Section 18 of this contract.

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

Road No.	From Sta./M.P.	To Sta./M.P.	Decommission Type
39-5-19.07	0.00	0.10	Long Term Closure
39-5-34.00	0.00	0.59	Long Term Closure
39-5-34.01	0.00	0.15	Long Term Closure
39-6-01.01	0.00	0.26	Long Term Closure
39-6-09.02	0.56	0.95	Water Bar Only
39-6-25.04 A-E	0.00	1.13	Long Term Closure
39-6-25.05	0.17	0.26	Long Term Closure
39-6-26.00 A-B	0.00	0.71	Long Term Closure
TR 03-03B	0+00	17+40	Decommission
TR 12-05	0+00	19+50	Decommission
TR 17-01	0+00	3+50	Decommission
TR 17-02A	0+00	12+10	Decommission
TR 17-03A	0+00	9+60	Decommission
TR 26-01A	0+00	6+10	Decommission
TR 26-01B	0+00	1+65	Decommission
TR 26-01E	0+00	2+00	Decommission
TR 34-03	0+00	6+00	Decommission

3504 - Decommissioning and long-term closure work shall be completed after road use. All decommissioning work shall be performed during the following seasonal periods to address soil moisture:

From: September 1	To: October 15 (of the same year)

3506 - Stockpiled slash shall be used to protect exposed areas created by the Purchaser's decommissioning long-term closure operations described in these sections. Slash shall be uniformly spread and placed without bunching. The operation shall produce a dense, uniform mat. All slash stockpiles created by the purchaser shall be utilized for decommissioning operations. Where slash is not available, exposed soil areas shall be

stabilized in accordance with Section 1800 of Exhibit C18.

3508 - Protect areas with camouflaging and soil stabilization from damage by Purchaser traffic or construction equipment. Damaged areas shall be repaired by the Purchaser.

3509 - Access shall be blocked with barricades as shown on the Barricade and Water Bar Details Exhibit D7, Decompaction and Culvert Removal Details Exhibit D8, Typical Road Camouflage Details Exhibit D9, and at locations as shown on Exhibits D4 and D5.

3510 - Sections of roadway where ripping or subsoiling are required shall be cleared of all vegetation and slash. The resultant slash shall be stockpiled in a manner that will allow retrieval and uniform spreading in accordance with Subsection 3506. No vegetation or slash shall be mixed with excavated material to be placed.

3511 - Ripping, subsoiling, and water barring shall be done on designated roadways and landings. Ripping shall be done with wing-toothed rippers or excavators modified for tillage.

3513 - Water bars shall be installed across full width of roadway at spacing shown in the worklist, specifications, and drawings. Water bars shall be constructed as shown on Exhibit D7. No water bar will be installed closer than 50 feet to a draw crossing.

3514 - Protection of exposed surfaces shall be accomplished by placement of soil stabilization material in accordance with Section 1800 and placement of slash described in Subsection 3506 on designated roadways, disturbed areas, landings, and other areas disturbed by the purchaser’s operations in accordance with these specifications and as shown in the plans.

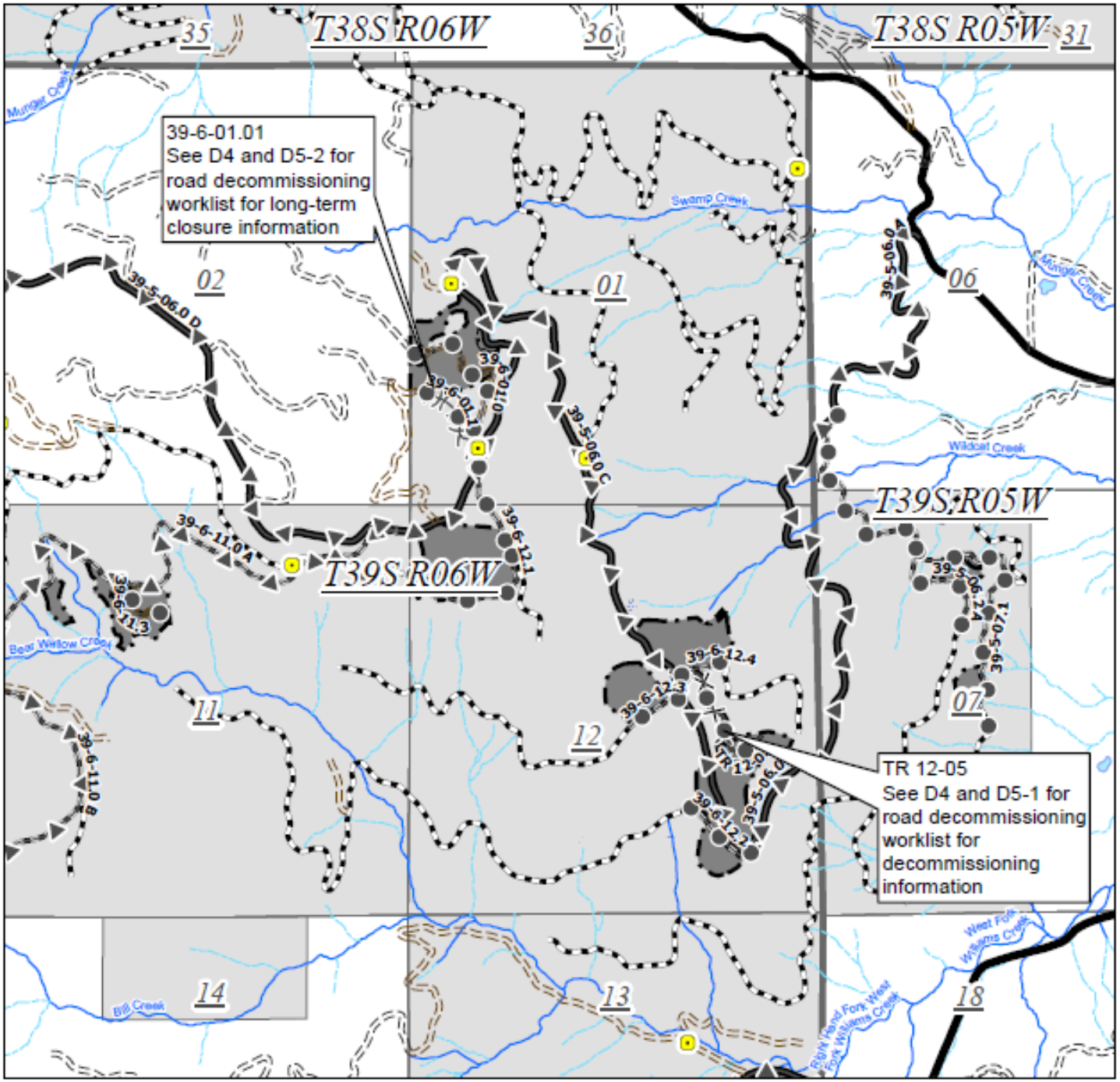


Exhibit D3-1

Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

Maintenance by Responsibility

- BLM
- Purchaser

FinalClosureStatus

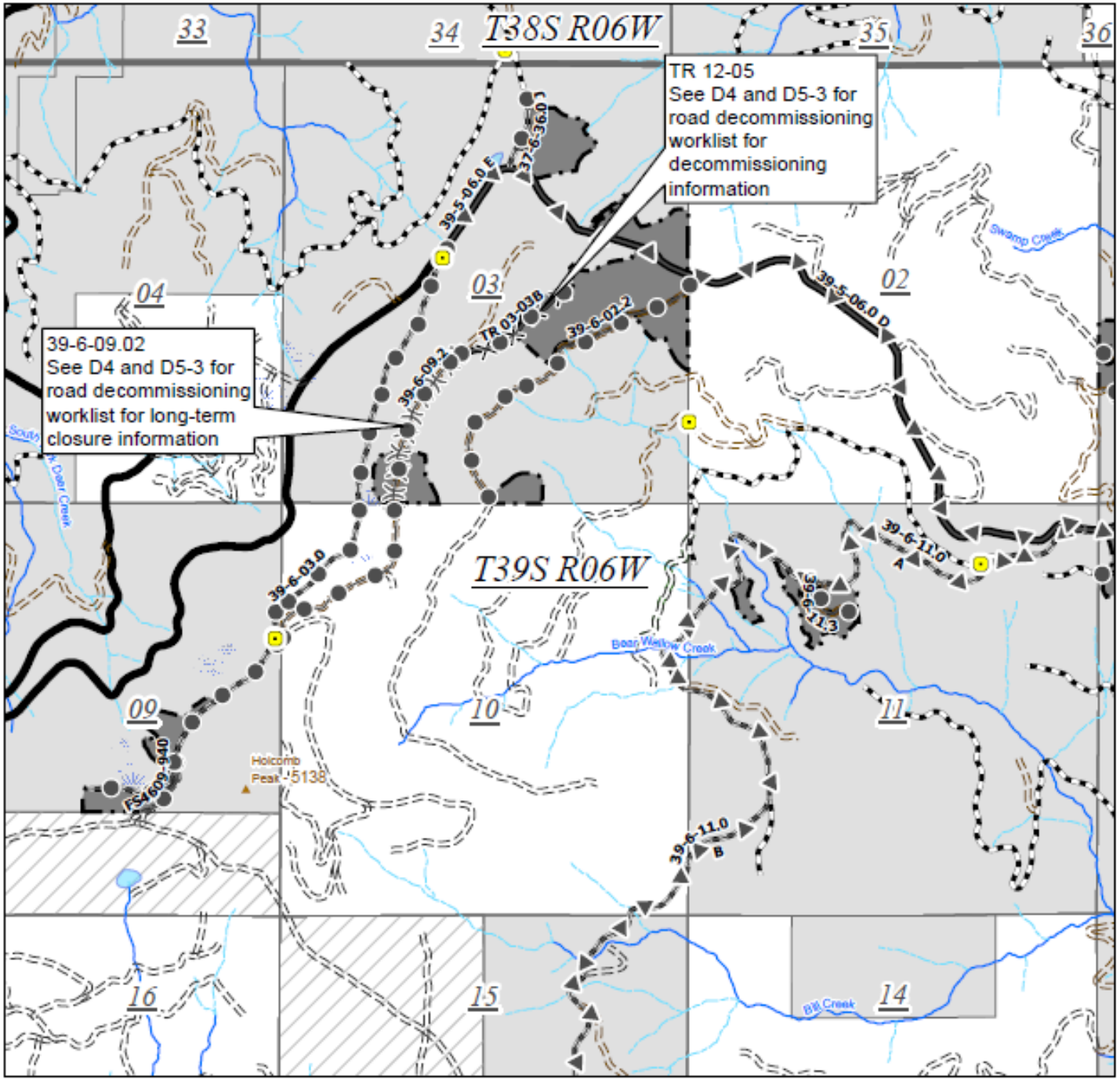
- Decommission
- Long Term Closure

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

CEDAR FLAT TIMBER SALE
ROAD MAINTENANCE MAP
LOWER CEDAR FLAT AREA

DRAFTED BY: BLM	EXHIBIT D3
DATE: JUNE 2026	SHEET: 1 OF 6

Exhibit D3-2



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

Maintenance by Responsibility

- BLM
- Purchaser

FinalClosureStatus

- Decommission
- Long Term Closure

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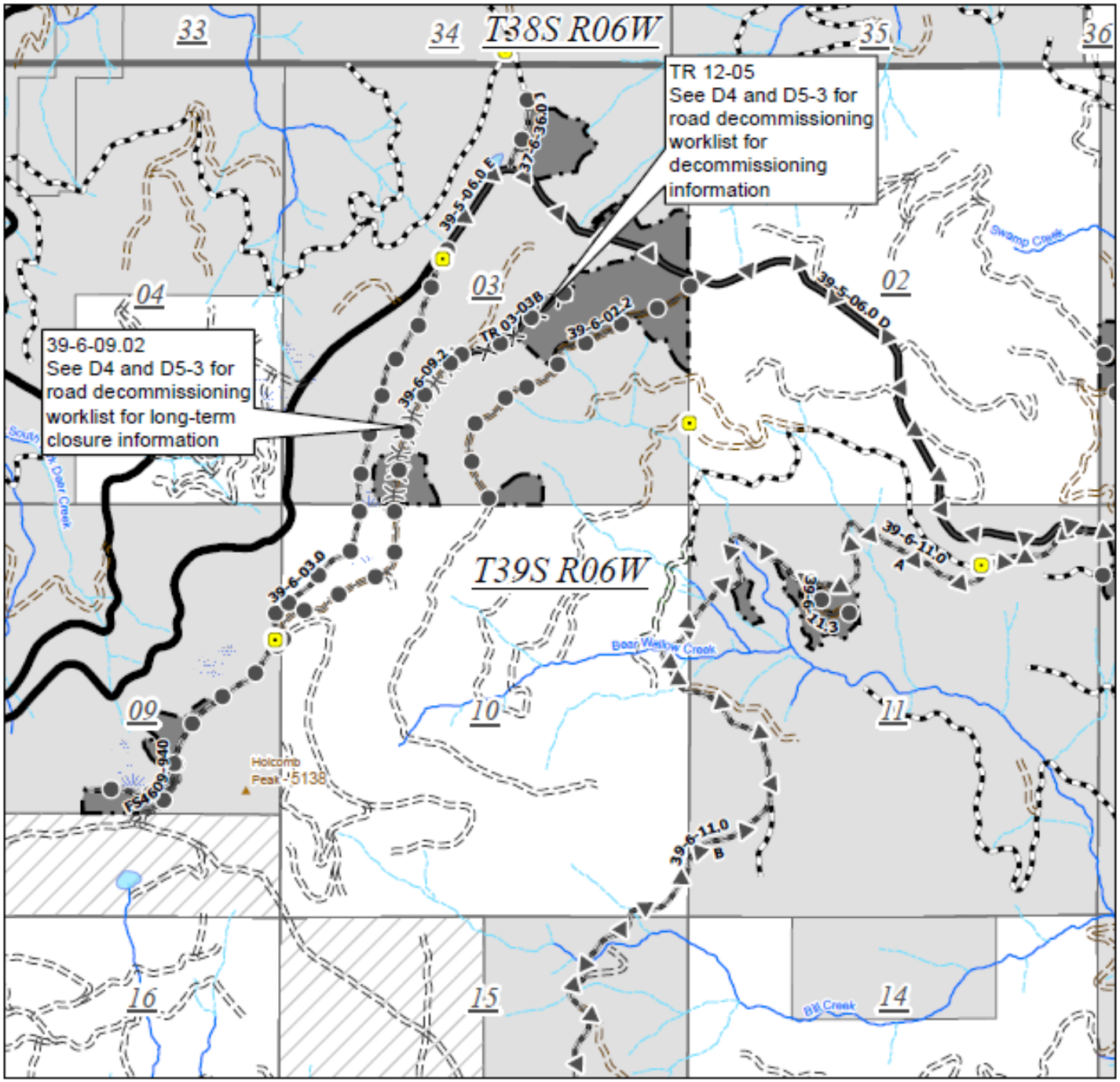
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD MAINTENANCE MAP
UPPER CEDAR FLAT AREA

DRAFTED BY: BLM	EXHIBIT D3
DATE: JUNE 2026	SHEET: 2 OF 6

Exhibit D3-2



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

Maintenance by Responsibility

- BLM
- Purchaser

FinalClosureStatus

- Decommission
- Long Term Closure

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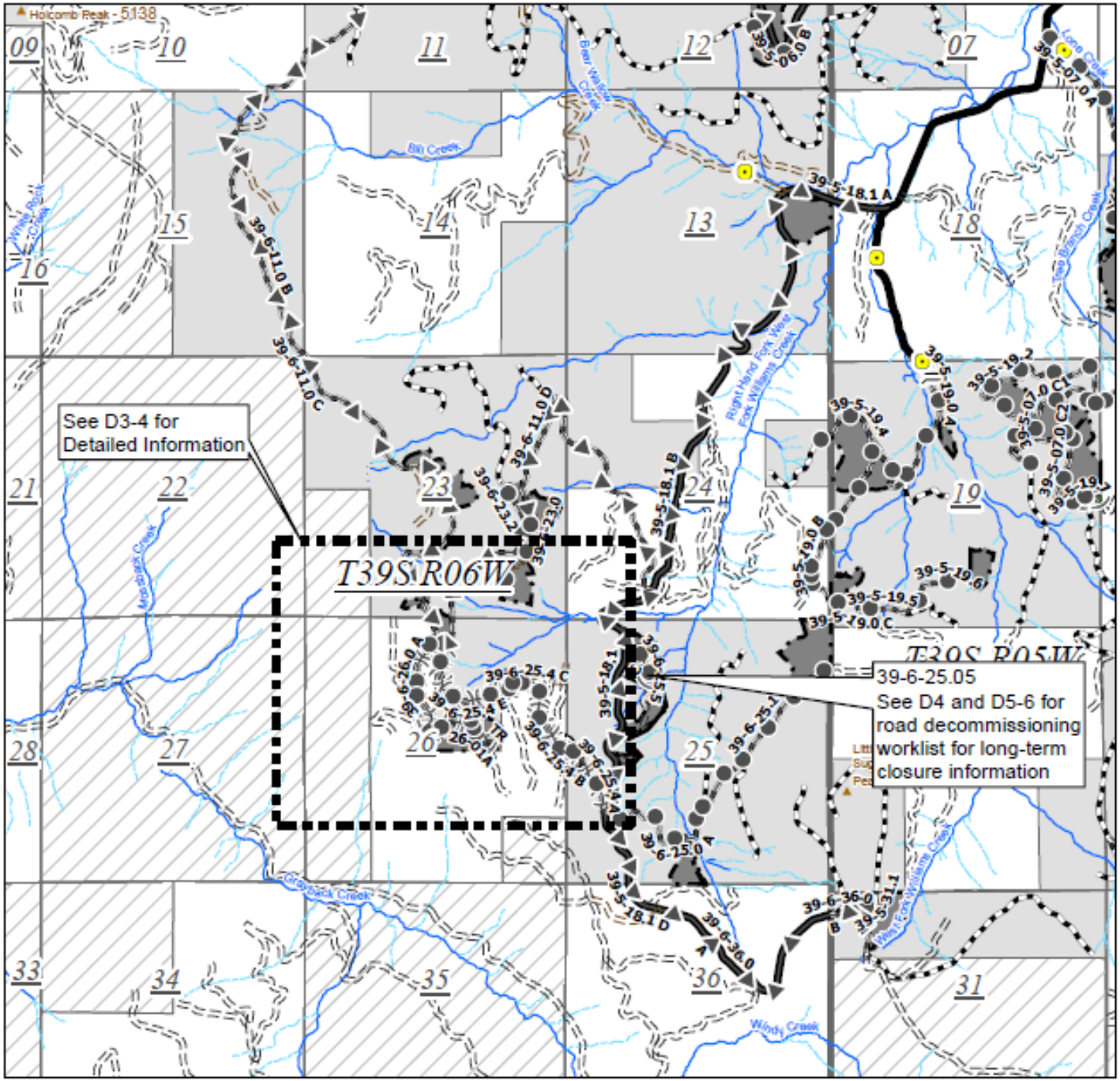
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD MAINTENANCE MAP
UPPER CEDAR FLAT AREA

DRAFTED BY: BLM	EXHIBIT D3
DATE: JUNE 2026	SHEET: 2 OF 6

Exhibit D3-3



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

Maintenance by Responsibility

- BLM
- Purchaser

FinalClosureStatus

- Decommission
- Long Term Closure

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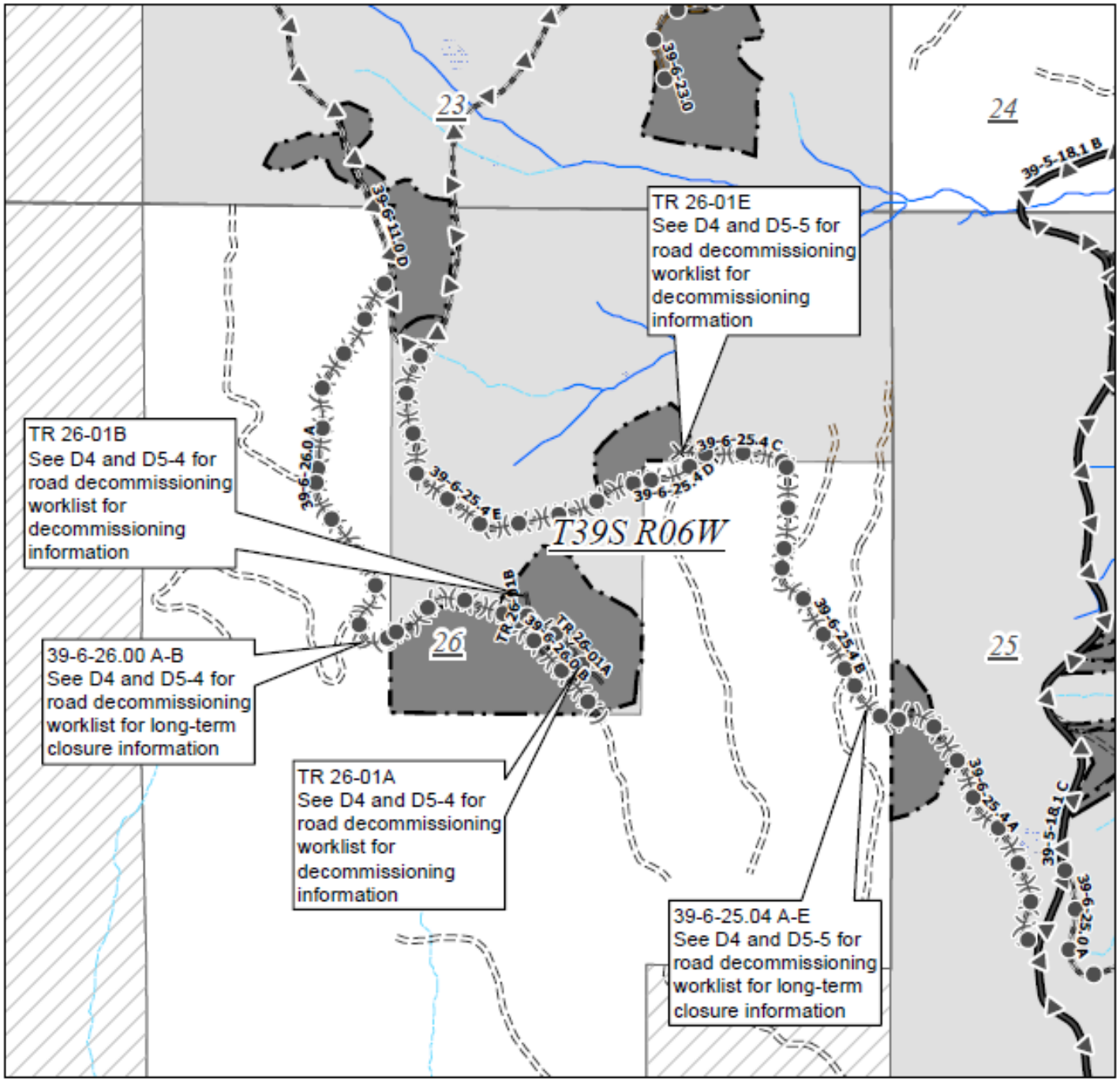
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD MAINTENANCE MAP
LOW DIVIDE AREA

DRAFTED BY: BLM	EXHIBIT D3
DATE: JUNE 2026	SHEET: 3 OF 6

Exhibit D3-4



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

Maintenance by Responsibility

- BLM
- Purchaser

FinalClosureStatus

- Decommission
- Long Term Closure

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

CEDAR FLAT TIMBER SALE
ROAD MAINTENANCE MAP
LOW DIVIDE SECTION 26 AREA

DRAFTED BY: BLM	EXHIBIT D3
DATE: JUNE 2026	SHEET: 4 OF 6

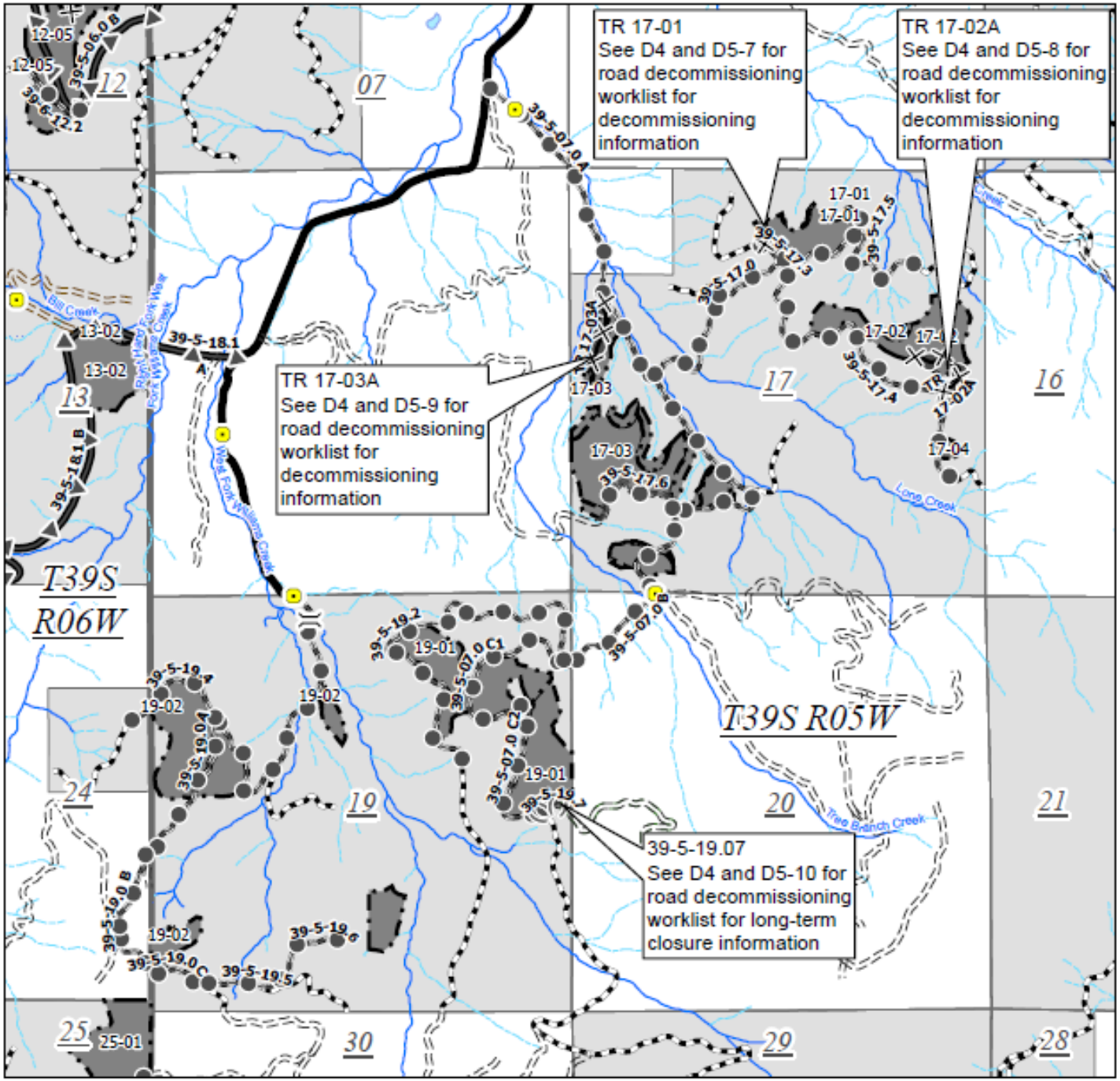


Exhibit D3-5

Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

Maintenance by Responsibility

- BLM
- Purchaser

FinalClosureStatus

- Decommission
- Long Term Closure

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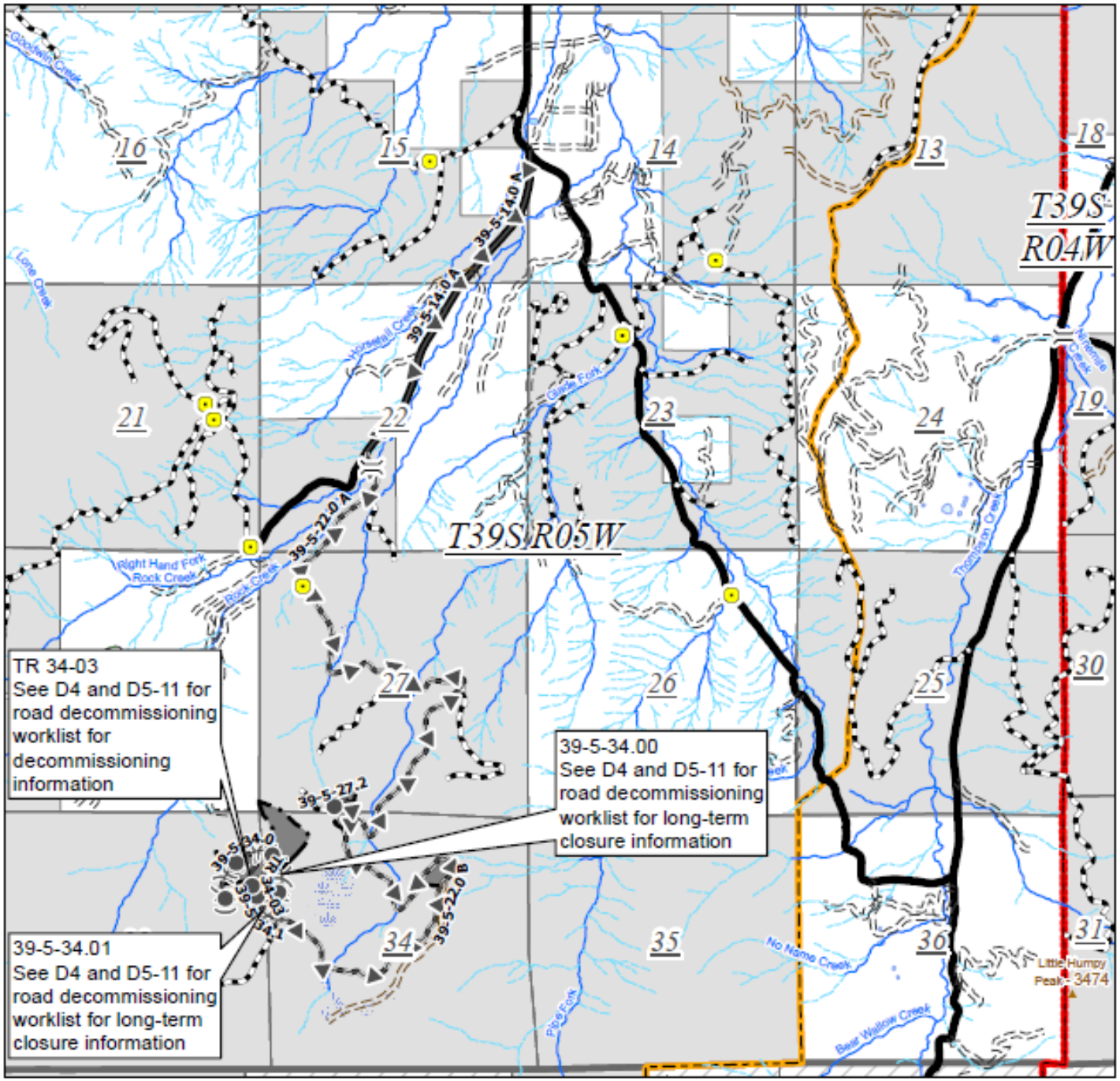
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD MAINTENANCE MAP
LONE CREEK AREA

DRAFTED BY: BLM	EXHIBIT D3
DATE: JUNE 2026	SHEET: 5 OF 6

Exhibit D3-6



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

Maintenance by Responsibility

- BLM
- Purchaser

FinalClosureStatus

- Decommission
- Long Term Closure

N W E S

0 1,875 3,750 7,500 11,250 15,000

Feet

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

CEDAR FLAT TIMBER SALE
ROAD MAINTENANCE MAP
ROCK CREEK AREA

DRAFTED BY: BLM	EXHIBIT D3
DATE: JUNE 2026	SHEET: 6 OF 6

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Roads Decommissioning Work List

Definitions:

AGG = Aggregate
BST = Bituminous
CMP = Corrugated Metal Pipe
CY = Cubic Yard
Jct. = Junction/Intersection
MP = Mile Post
NAT = Natural/Native Surface
PVT = Private (Industry, Citizen)
Seg = Segment
STA = Station

Decommission = Decommissioning shall include removing temporary culverts (if any), installing water bars per the Water Bar Spacing by Erosion Class Table shown in Exhibit D7, and unless otherwise noted in the work list, and camouflaging and barricading road entrances. All disturbed soils shall be seeded with approved native seed species and mulched with weed-free straw or approved native slash materials. Camouflaged entrances shall consist of logs, slash, boulders, and other debris placed along road entrances for a minimum of 100 feet or to the first curve or hillcrest to discourage vehicle use per Exhibit D9.

Long Term Closure = Long Term Closure shall include installing water bars per the Water Bar Spacing by Erosion Class Table shown in Exhibit D7, stabilizing, or removing fills on unstable areas, and barricading the road entrance.

Camouflaging = Camouflaged entrances shall consist of logs, slash, boulders, and other debris placed along road entrances for a minimum of 100 feet or to the first curve or hillcrest to discourage vehicle use per Exhibit D9.

Barricade = Barricade entrance only.

Water Bar = Water bar work only.

39-5-19.07 Road – Private Spur – NAT – Sub: 15Ft – Ditch: 0Ft (See Exhibit D5-10 for Map)

MP	Description
0.00	Jct. w/ BLM Road #39-5-07.00. Upon completion of log haul, begin long term closure work. See Exhibit D7 for barricade and water bar construction specifications.
0.01	Reconstruct earth barricade.
0.05	Construct water bar.
0.10	Construct water bar. End long term closure work.

39-5-34.00 Road – Pandora Spur – AGG – Sub: 15Ft – Ditch: 0Ft (See Exhibit D5-11 for Map)

MP	Description
0.00	Jct. w/ BLM Road #39-5-22.00. Upon completion of log haul, begin long term closure work. See Exhibit D7 for barricade and water bar construction specifications.
0.01	Reconstruct earth barricade.
0.04	Construct water bar.
0.07	Construct water bar.
0.10	Construct water bar.
0.13	Construct water bar.
0.17	Construct water bar.
0.20	Construct water bar.
0.23	Construct water bar.
0.26	Construct water bar.
0.29	Construct water bar.
0.32	Construct water bar.
0.35	Construct water bar.

0.38	Construct water bar.
0.41	Construct water bar.
0.44	Construct water bar.
0.47	Construct water bar.
0.50	Construct water bar.
0.53	Construct water bar.
0.56	Construct water bar.
0.59	End long term closure work.

39-5-34.01 Road – Pandora Spur – AGG – Sub: 15Ft – Ditch: 0Ft (See Exhibit D5-11 for Map)

MP	Description
0.00	Jct. w/ BLM Road #39-5-22.00. Upon completion of log haul, begin long term closure work. See Exhibit D7 for barricade and water bar construction specifications.
0.01	Reconstruct earth barricade.
0.04	Construct water bar.
0.07	Construct water bar.
0.10	Construct water bar.
0.12	Construct water bar.
0.14	Jct. w/ Temporary Road 34-03 on left.
0.15	End long term closure work.

39-6-01.01 Road – NAT – Sub: 15Ft – Ditch: 0Ft (See Exhibit D5-2 for Map)

MP	Description
0.00	Jct. w/ BLM Road #39-6-01.00. Upon completion of log haul, begin long term closure work. See Exhibit D7 for barricade and water bar construction specifications.
0.01	Reconstruct earth barricade.
0.04	Construct water bar.
0.07	Construct water bar.
0.10	Construct water bar.
0.13	Construct water bar.
0.16	Construct water bar.
0.19	Construct water bar.
0.22	Construct water bar.
0.25	Construct water bar.
0.26	End long term closure work.

39-6-09.02 Road – Bear Wallow – NAT – Sub: 15Ft – Ditch: 0Ft (See Exhibit D5-3 for Map)

MP	Description
0.00	Jct. w/ BLM Road #39-6-03.00. Upon completion of log haul, begin water bar work. See Exhibit D7 for barricade and water bar construction specifications.
0.56	Property line (into BLM).
0.57	Construct water bar.
0.60	Construct water bar.
0.63	Construct water bar.
0.66	Construct water bar.
0.69	Construct water bar.
0.72	Construct water bar.
0.75	Construct water bar.
0.78	Construct water bar.
0.81	Construct water bar.
0.84	Construct water bar.
0.87	Construct water bar.
0.90	Construct water bar.

0.92	Construct water bar.
0.95	Jct. w/ Temporary Road 03-03B on right. End water bar work.

39-6-25.04 Road Seg A-E – NAT – Sub: 15Ft – Ditch: 0Ft (See Exhibit D5-5 for Map)

MP	Description
0.00	Jct. w/ BLM Road #39-5-18.01. Upon completion of log haul, begin long term closure work. See Exhibit D7 for barricade and water bar construction specifications.
0.06	Reconstruct earth barricade.
0.17	Construct water bar.
0.21	Construct water bar.
0.23	Construct water bar.
0.25	Construct water bar.
0.27	Construct water bar.
0.30	Property line (into Private).
0.33	Jct. w/ BLM Road #39-6-26.01 on right.
0.37	Jct. w/ private unnumbered road on left.
0.43	Construct water bar.
0.47	Construct water bar.
0.49	Jct. w/ BLM Road #39-6-26.02 on right.
0.58	Construct water bar.
0.66	Jct. w/ Temporary Road 26-01E on right.
0.69	Property line (into Private).
0.71	Jct. w/ private unnumbered road on left.
0.76	Construct water bar.
0.79	Construct water bar.
0.81	Construct water bar.
1.11	Construct earth barricade.
1.13	Junction w/ BLM Road # 39-6-11.00 left and right. End long term closure work.

39-6-25.05 Road – NAT – Sub: 15Ft – Ditch: 0Ft (See Exhibit D5-6 for Map)

MP	Description
0.00	Jct. w/ BLM Road #39-5-18.01.
0.17	Upon completion of log haul, begin long term closure work. See Exhibit D7 for barricade and water bar construction specifications.
0.20	Remove existing culvert and convert into earth barricade.
0.22	Construct water bar.
0.24	Construct water bar.
0.26	End long term closure work.

39-6-26.00 Road Seg A-B – NAT – Sub: 15Ft – Ditch: 0Ft (See Exhibit D5-4 for Map)

MP	Description
0.00	Jct. w/ BLM Road #39-6-11.00. Upon completion of log haul, begin long term closure work. See Exhibit D7 for barricade and water bar construction specifications. Ensure all water dips are free to drain.
0.03	Reconstruct earth barricade.
0.22	Jct. w/ private unnumbered road on right.
0.31	Construct double water bar.
0.39	Jct. w/ private unnumbered road on right.
0.44	Property line (into BLM). Construct water bar.
0.48	Construct water bar.
0.50	Jct. w/ unnumbered road on left.
0.52	Construct water bar.
0.57	Construct water bar.

0.71	End long term closure work.

Temporary Road 03-03B (See Exhibit D5-3 for Map)

STA	Description
0+00	Jct. w/ BLM Road #39-6-09.02. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
0+50	Construct earth barricade.
1+50	Construct water bar.
3+00	Construct water bar.
4+50	Construct water bar.
6+00	Construct water bar.
7+50	Construct water bar.
9+00	Construct water bar.
10+50	Construct water bar.
12+00	Construct water bar.
13+50	Construct water bar.
15+00	Construct water bar.
16+50	Construct water bar.
17+40	End decommissioning work.

Temporary Road 12-05 (See Exhibit D5-1 for Map)

STA	Description
0+00	Jct. w/ BLM Road #39-6-12.04. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
1+00	Construct earth barricade.
2+50	Construct water bar.
4+00	Construct water bar.
5+50	Construct water bar.
7+00	Construct water bar.
8+50	Construct water bar.
10+00	Construct water bar.
11+50	Construct water bar.
13+00	Construct water bar.
14+50	Construct water bar.
16+00	Construct water bar.
17+50	Construct water bar.
19+00	Construct water bar.
19+50	End decommissioning work.

Temporary Road 17-01 (See Exhibit D5-7 for Map)

STA	Description
0+00	Jct. w/ BLM Road #39-5-17.03. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
0+50	Construct earth barricade.
2+00	Construct water bar.
3+25	Construct water bar.
3+50	End long term closure work.

Temporary Road 17-02A (See Exhibit D5-8 for Map)

STA	Description
0+00	Jct. w/ BLM Road #39-5-17.04. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
0+50	Construct earth barricade.
2+00	Construct water bar.
3+50	Construct water bar.
5+00	Construct water bar.
6+50	Construct water bar.
8+00	Construct water bar.
9+50	Construct water bar.
11+00	Construct water bar.
12+10	End long term closure work.

Temporary Road 17-03A (See Exhibit D5-9 for Map)

STA	Description
0+00	Jct. w/ BLM Road #39-5-07.00. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
0+50	Construct earth barricade.
2+00	Construct water bar.
3+50	Construct water bar.
5+00	Construct water bar.
6+50	Construct water bar.
8+00	Construct water bar.
9+50	Construct water bar.
9+60	End long term closure work.

Temporary Road 26-01A (See Exhibit D5-4 for Map)

STA	Description
0+00	Jct. w/ BLM Road #39-5-07.00. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
0+50	Construct earth barricade.
2+00	Construct water bar.
3+50	Construct water bar.
5+00	Construct water bar.
6+00	Construct water bar.
6+10	End long term closure work.

Temporary Road 26-01B (See Exhibit D5-4 for Map)

STA	Description
0+00	Jct. w/ Temporary Road #26-01A. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
1+00	Construct water bar.
1+65	End long term closure work.

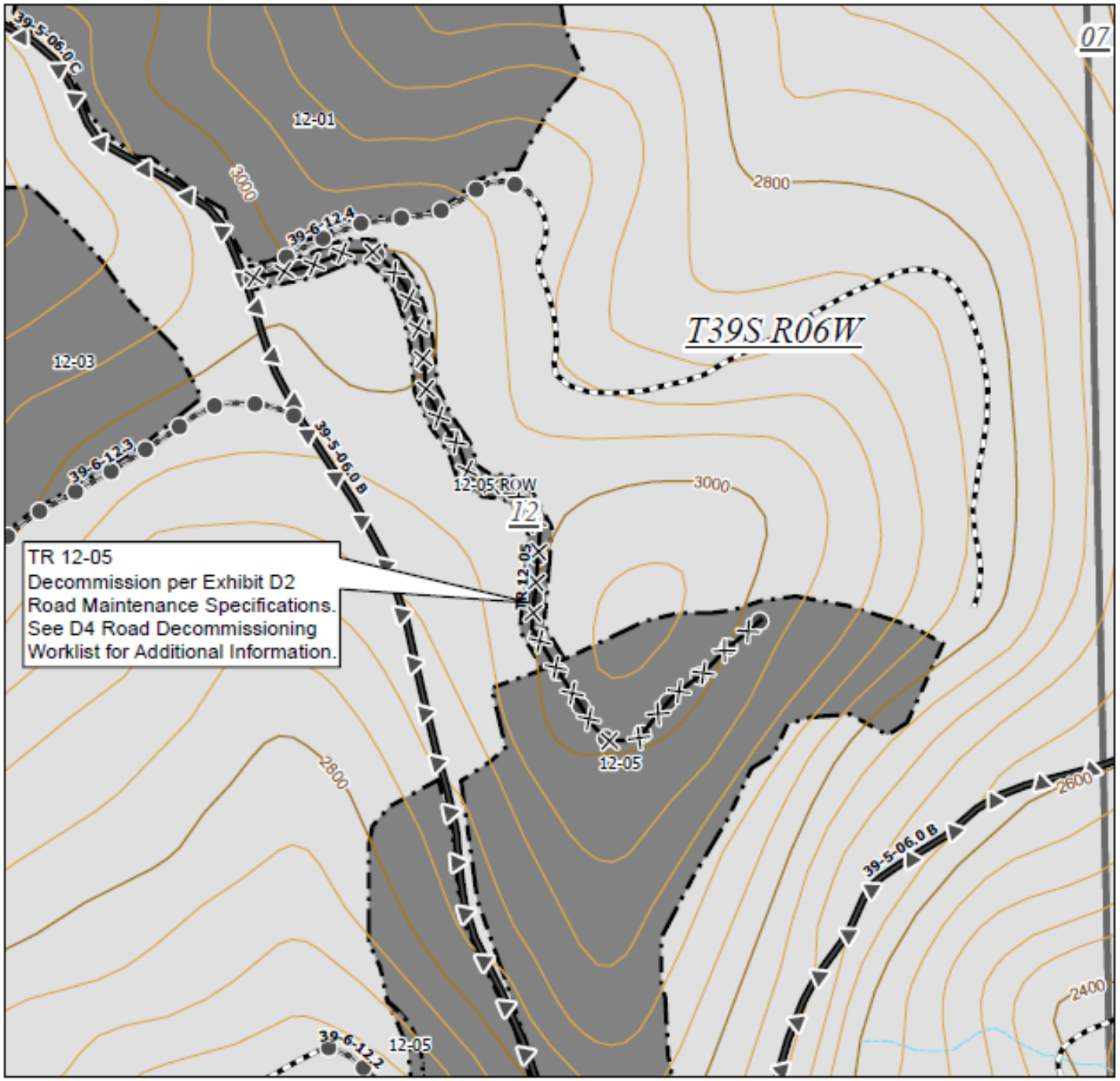
Temporary Road 26-01E (See Exhibit D5-5 for Map)

STA	Description
0+00	Jct. w/ BLM Road #39-6-25.04. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
0+50	Construct earth barricade.
1+50	Construct water bar.
2+00	End long term closure work.

Temporary Road 34-03 (See Exhibit D5-11 for Map)

STA	Description
0+00	Jct. w/ BLM Road #39-5-34.01. Upon completion of log haul, begin decommissioning work and entrance camouflage. See Exhibit D7 for barricade and water bar construction specifications, and Exhibit D9 for road camouflaging.
0+50	Construct earth barricade.
2+00	Construct water bar.
3+50	Construct water bar.
5+00	Construct water bar.
6+00	End long term closure work.

Exhibit D5-1



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

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0 200 400 800 1,200 1,600

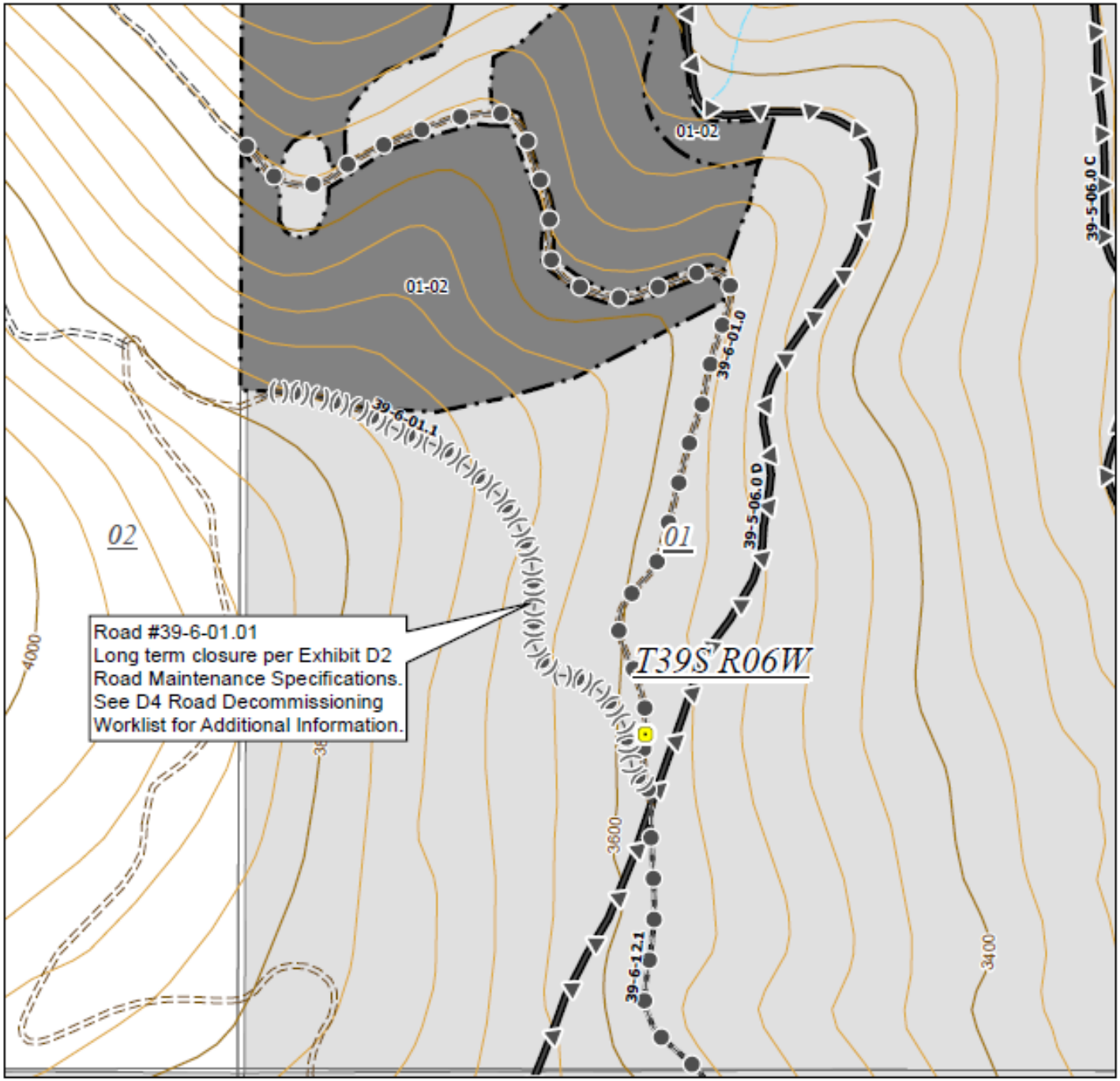
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD DECOMMISSIONING MAP
TR 12-05

DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 1 OF 11

Exhibit D5-2



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

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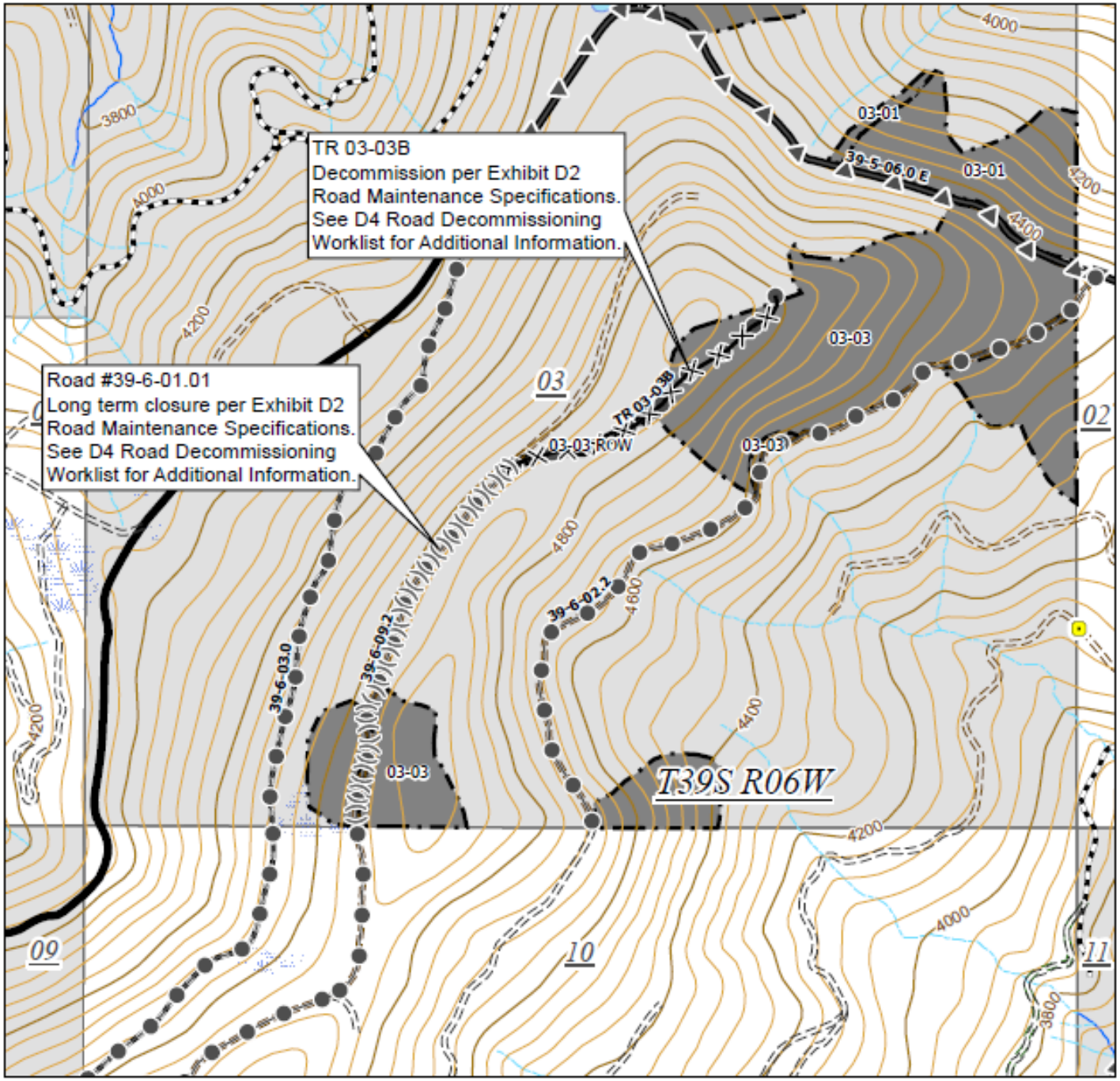
Feet

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

CEDAR FLAT TIMBER SALE
ROAD DECOMMISSIONING MAP
ROAD #39-6-01.01

DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 2 OF 11

Exhibit D5-3



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

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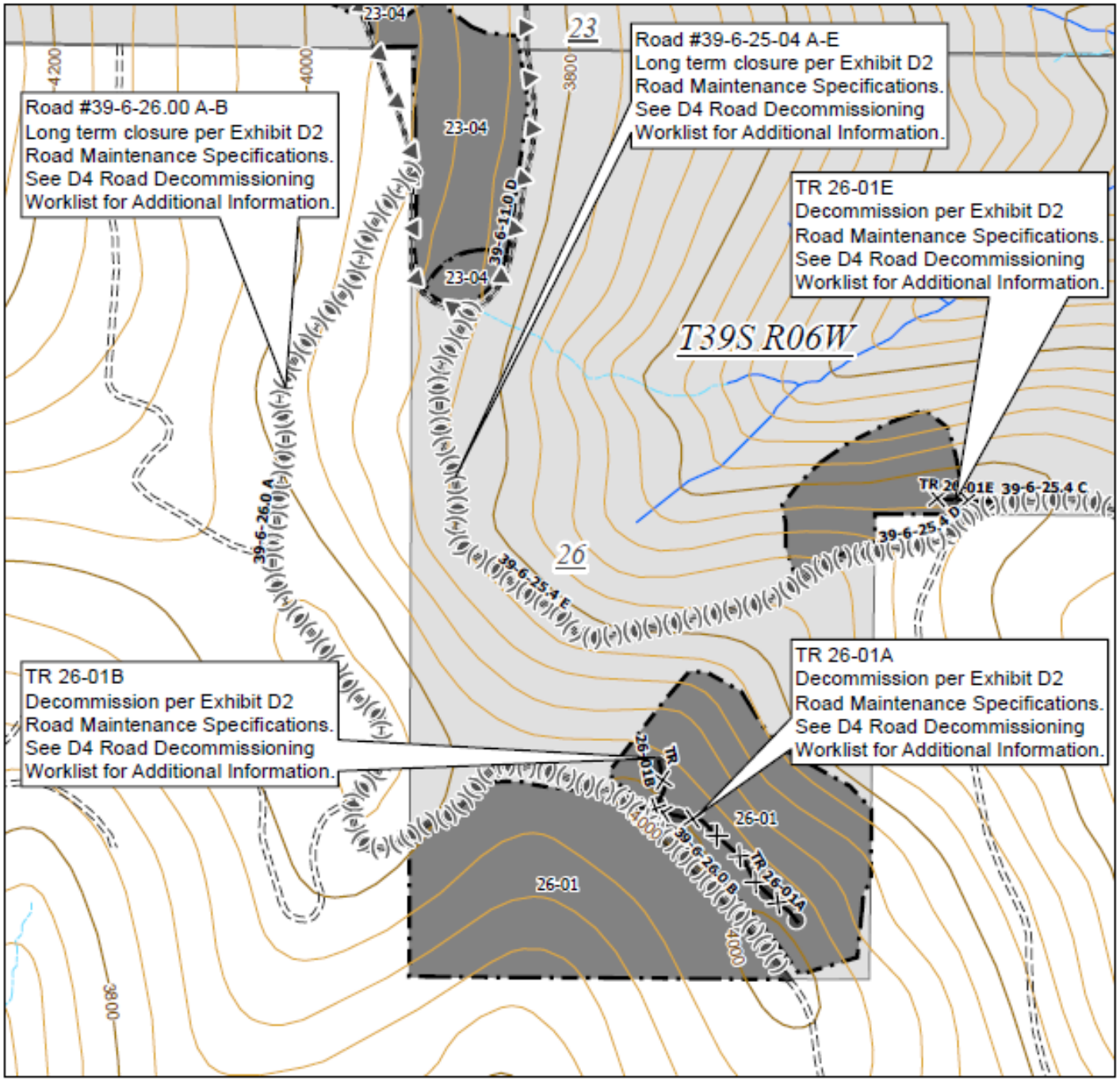
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD DECOMMISSIONING MAP
TR 03-03B & RD #39-6-09.02

DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 3 OF 11

Exhibit D5-4



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

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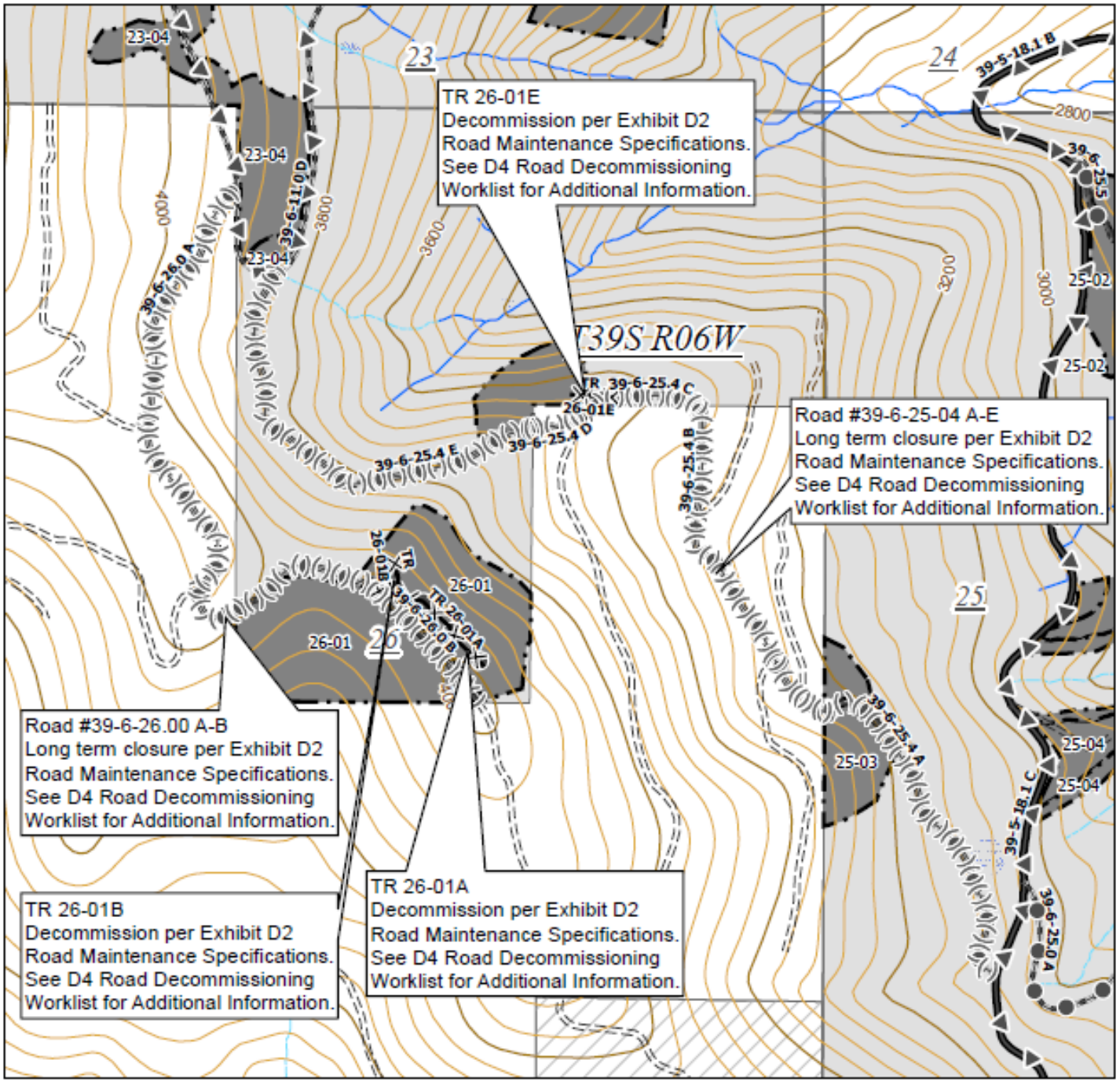
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD DECOMMISSIONING MAP
TR 26-01A, TR 26-01B & RD #39-6-26.00 A-B

DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 4 OF 11

Exhibit D5-5



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

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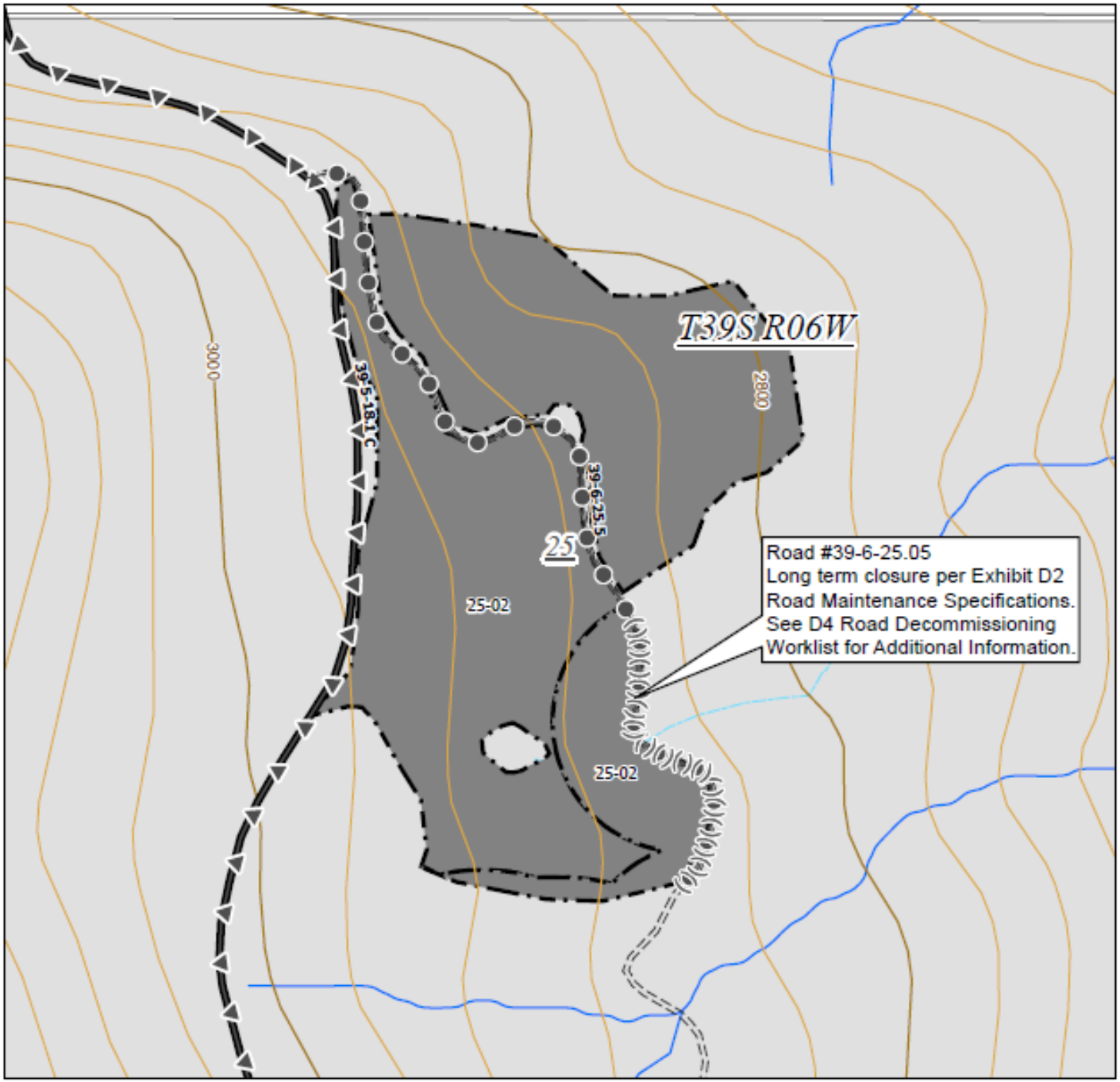
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD DECOMMISSIONING MAP
TR 26-01E & RD #39-6-25.04 A-E

DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 5 OF 11

Exhibit D5-6



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

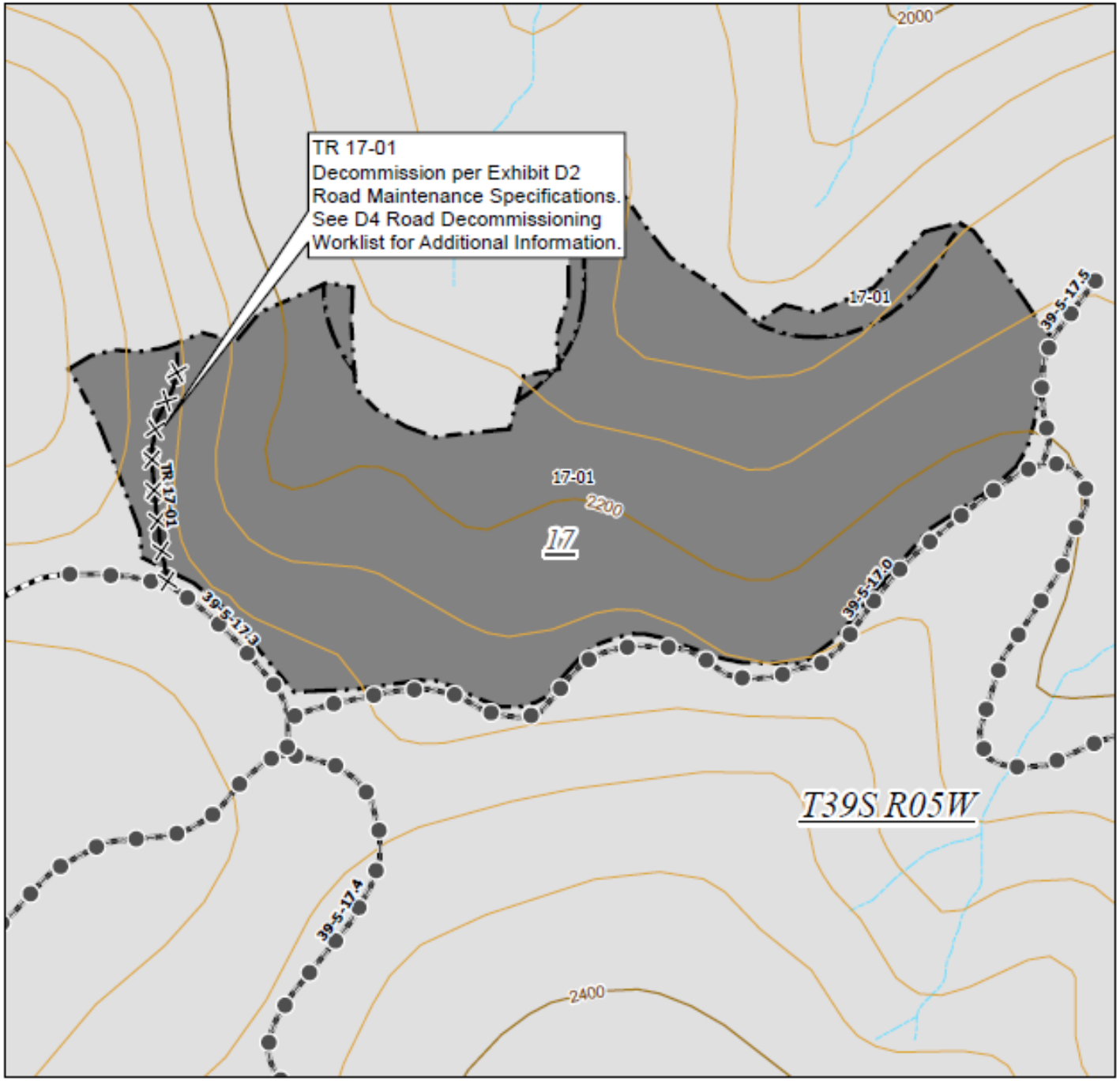
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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
CEDAR FLAT TIMBER SALE ROAD DECOMMISSIONING MAP ROAD #39-6-25.05	
DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 6 OF 11

Exhibit D5-7



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

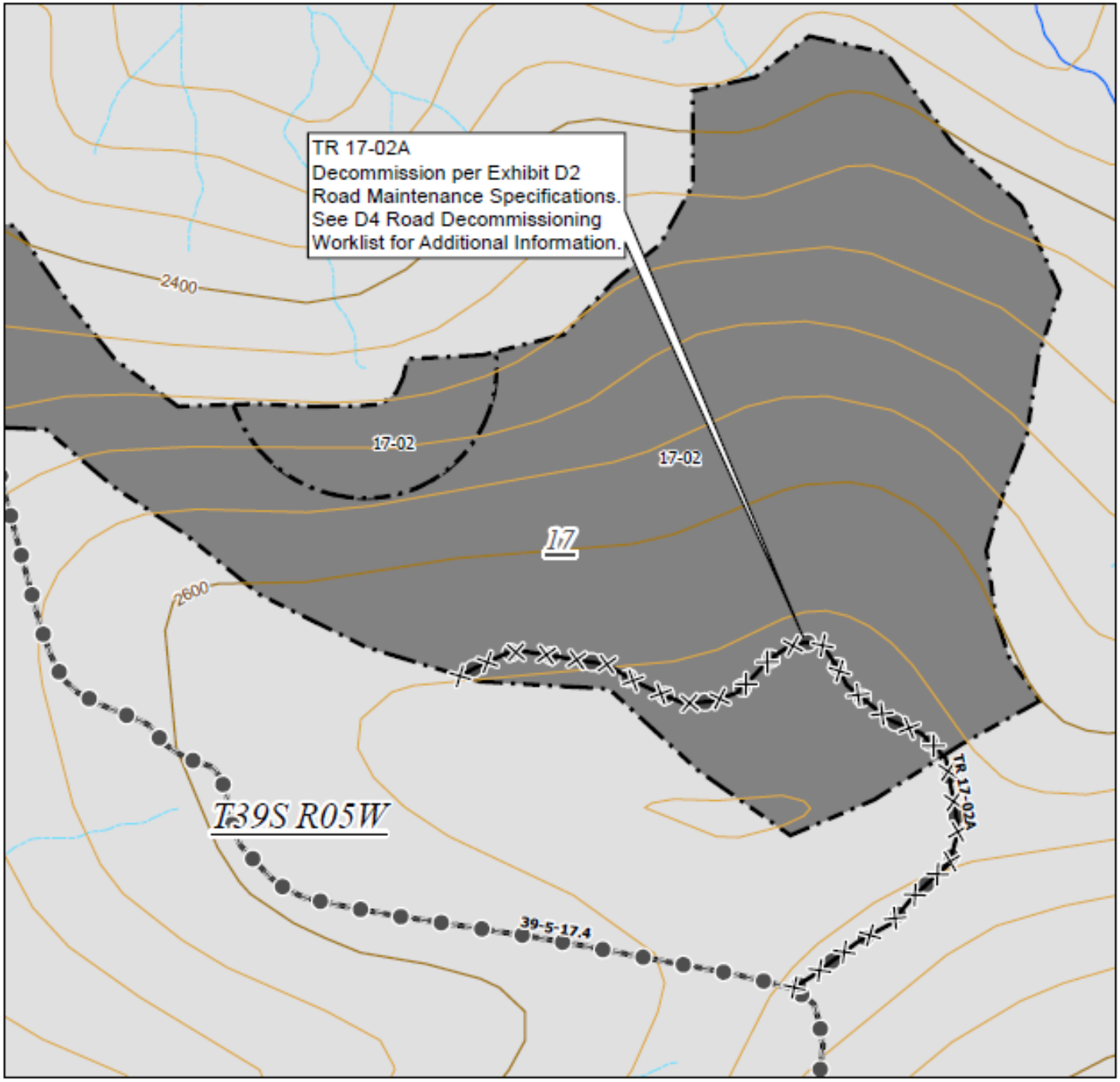
- BLM
- Purchaser

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
CEDAR FLAT TIMBER SALE ROAD DECOMMISSIONING MAP TR 17-01	
DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 7 OF 11

Exhibit D5-8



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

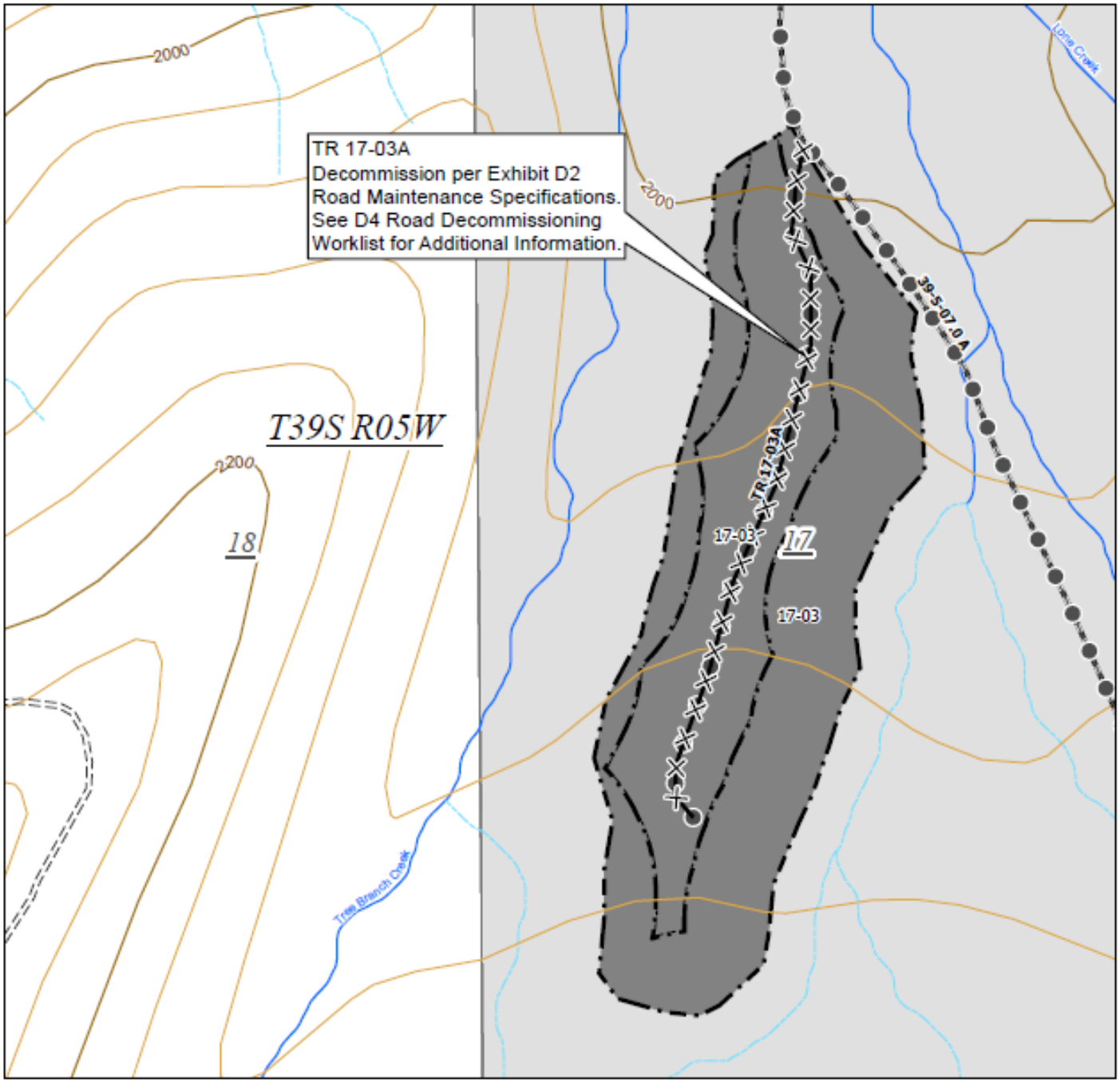
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Feet

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
CEDAR FLAT TIMBER SALE ROAD DECOMMISSIONING MAP TR 17-02A	
DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 8 OF 11

Exhibit D5-9



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

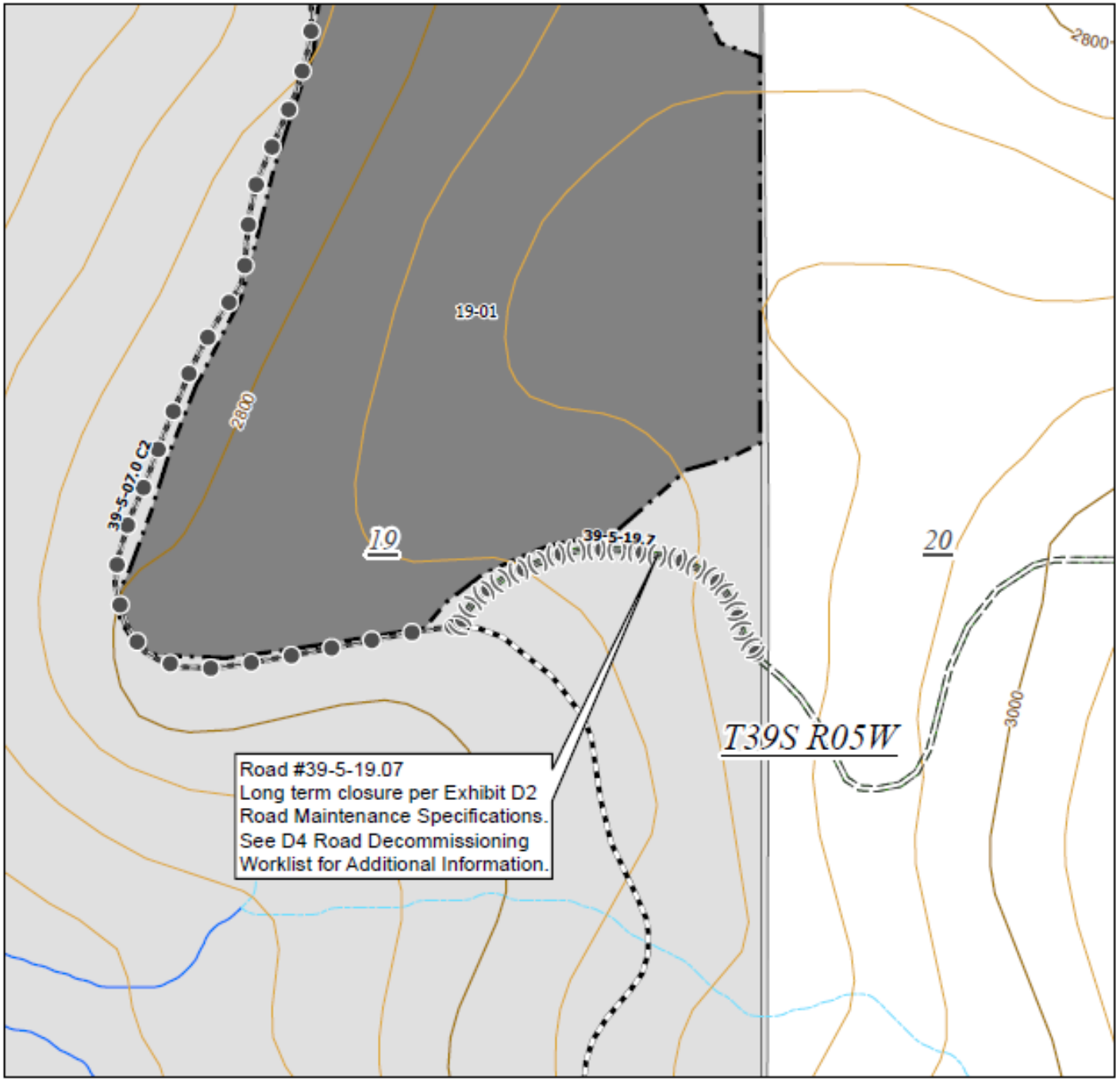
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0 125 250 500 750 1,000

Feet

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON	
CEDAR FLAT TIMBER SALE ROAD DECOMMISSIONING MAP TR 17-03A	
DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 9 OF 11

Exhibit D5-10



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

N W E S

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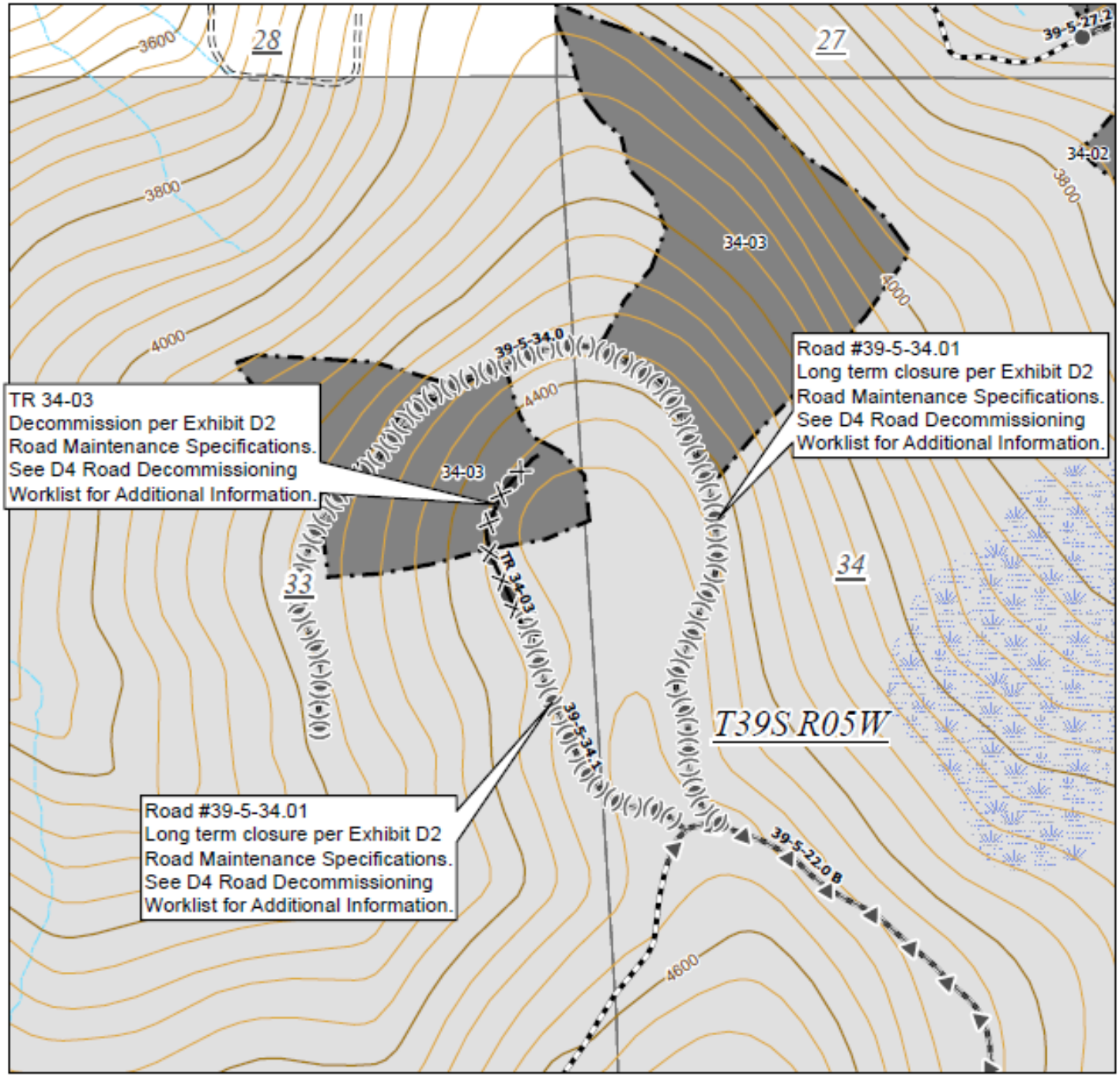
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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE
ROAD DECOMMISSIONING MAP
ROAD #39-5-19.07

DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 10 OF 11

Exhibit D5-11



Legend

Cedar Flat TS Units

- Cedar Flat TS Units

Land Ownership

- Bureau of Land Management
- Private
- U.S. Forest Service

Roads by Surface Type

- BST
- AGG
- NAT
- Not Known
- GPFO Gates

FinalClosureStatus

- Decommission
- Long Term Closure

Maintenance by Responsibility

- BLM
- Purchaser

N W E S

0 250 500 1,000 1,500 2,000

Feet

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

CEDAR FLAT TIMBER SALE
ROAD DECOMMISSIONING MAP
TR 34-03, RD #39-5-34.00 & RD #39-5-34.01

DRAFTED BY: BLM	EXHIBIT D5
DATE: JUNE 2026	SHEET: 11 OF 11

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EXHIBIT D6-1

ROAD NUMBER	FROM	TO	LENGTH	MAINTENANCE RESPONSIBILITY			DUST ABATEMENT/ WATERING	SPOT ROCKING **	ROAD CLOSURE AND DECOMMISSIONING					
				BLM MAINTENANCE	PURCHASER MAINTENANCE	THIRD PARTY MAINTENANCE			INSTALL EARTH/LOG BARRICADE OR MEGA-GATE	REMOVE CULVERTS	INSTALL WATER BARS	CAMOUFLAGE ROAD ENTRANCE (100 FT)	SUB-SOIL/ RIPPING/ DECOMPACT SUBGRADE	SOIL STABILIZATION (SEED & MULCH)
	MILE/STA	MILE/STA	MILE/STA	MILE	MILE	MILE	MILE	MILE	EA	EA	EA	EA	MILE/STA	ACRE
37-6-36.00 (J)	0.00	0.19	0.19		0.19			**						
39-5-06.00 (A-E)	0.00	6.96	6.96	6.96				**						
39-5-06.02 (A)	0.00	0.90	0.90		0.90		0.57	**						
39-5-07.00 (A-C2)	0.00	2.92	2.92		2.92		0.83	**						
39-5-07.01	0.00	0.71	0.71		0.71			**						
39-5-14.00 (A)	0.00	1.34	1.34	1.34				**						
39-5-17.00	0.00	1.08	1.08		1.08			**						
39-5-17.03	0.00	0.07	0.07		0.07			**						
39-5-17.04	0.00	0.94	0.94		0.94			**						
39-5-17.05	0.00	0.05	0.05		0.05			**						
39-5-17.06	0.00	0.28	0.28		0.28			**						
39-5-18.01 (A-D)	0.00	3.80	3.80	3.80				**						
39-5-19.00 (A-C)	0.00	1.76	1.76		1.76		0.49	**						
39-5-19.02	0.00	1.12	1.12		1.12			**						
39-5-19.04	0.00	0.31	0.31		0.31			**						
39-5-19.05	0.00	0.16	0.16		0.16			**						
PAGE 1 TOTALS			22.59	12.10	10.49		1.89	**						

DECOMMISSIONING NOTES

1. ALL TEMP ROUTE ARE TO BE CLOSED PER EXHIBIT D SPECIFICATIONS AND DECOMMISSIONING WORKLIST.

2. LONG-TERM CLOSURE WORK SHALL INCLUDE WATER BARRING AND BARRICADING.

3. DECOMMISSIONING SHALL INCLUDE CAMOUFLAGING THE ENTRANCE, WATER BARRING, SEEDING & MULCHING, AND BARRICADING.

*FOR INFORMATIONAL USE ONLY. QUANTITIES SHOWN ARE NOT PAY ITEMS.

**1,000CY OF SURFACE COURSE AGGREGATE FOR ROAD RESURFACING AND SPOT ROCKING SHALL BE FURNISHED AND PLACED ON AGGREGATE ROADS AFTER USE. ROCK SHALL BE OBTAINED FROM A COMMERCIAL SOURCE AND SHALL MEET EXHIBIT C18 SECTION 1200 SPECIFICATIONS.

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

CEDAR FLAT
TIMBER SALE
ESTIMATE OF QUANTITIES*

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 4

EXHIBIT D6-2

ROAD NUMBER	FROM	TO	LENGTH	MAINTENANCE RESPONSIBILITY			DUST ABATEMENT/ WATERING	SPOT ROCKING	ROAD CLOSURE AND DECOMMISSIONING					
				BLM MAINTENANCE	PURCHASER MAINTENANCE	THIRD PARTY MAINTENANCE			INSTALL EARTH/LOG BARRICADE	REMOVE CULVERTS	INSTALL WATER BARS	CAMOUFLAGE ROAD ENTRANCE (100 FT)	SUB-SOIL/ RIPPING/ DECOMPACT SUBGRADE	SOIL STABILIZATION (SEED & MULCH)
	MILE/STA	MILE/STA	MILE/STA	MILE	MILE	MILE	MILE	MILE	EA	EA	EA	EA	STA	ACRE
39-5-19.06	0.00	0.27	0.27		0.27			**						
39-5-19.07	0.00	0.10	0.10		0.10			**	1		2			
39-5-22.00 (A-B)	0.00	4.42	4.42	4.42			0.50	**						
39-5-27.02	0.00	0.03	0.03		0.03			**						
39-5-31.01	0.00	0.07	0.07	0.07				**						
39-5-34.00	0.00	0.59	0.59		0.59			**	1		18	1		
39-5-34.01	0.00	0.15	0.15		0.15			**	1		4	1		
39-6-01.00	0.00	0.49	0.49		0.49			**						
39-6-01.01	0.00	0.26	0.26		0.26			**	1		8	1		
39-6-02.02	0.00	0.89	0.89		0.89			**						
39-6-03.00	0.00	1.74	1.74		1.74			**						
39-6-09.02	0.00	0.95	0.95		0.95			**			13			
39-6-11.00 (A-D)	0.00	7.49	7.49	7.49				**						
39-6-11.03	0.00	0.16	0.16		0.16			**						
39-6-12.01	0.00	0.66	0.66		0.66			**						
39-6-12.02	0.00	0.22	0.22		0.22			**						
PAGE 2 TOTALS			18.49	11.98	6.51		0.50	**	4		45	3		

DECOMMISSIONING NOTES

1. ALL TEMP ROUTE ARE TO BE CLOSED PER EXHIBIT D SPECIFICATIONS AND DECOMMISSIONING WORKLIST.

2. LONG-TERM CLOSURE WORK SHALL INCLUDE WATER BARRING AND BARRICADING.

3. DECOMMISSIONING SHALL INCLUDE CAMOUFLAGING THE ENTRANCE, WATER BARRING, SEEDING & MULCHING, AND BARRICADING.

*FOR INFORMATIONAL USE ONLY. QUANTITIES SHOWN ARE NOT PAY ITEMS.

**1,000CY OF SURFACE COURSE AGGREGATE FOR ROAD RESURFACING AND SPOT ROCKING SHALL BE FURNISHED AND PLACED ON AGGREGATE ROADS AFTER USE. ROCK SHALL BE OBTAINED FROM A COMMERCIAL SOURCE AND SHALL MEET EXHIBIT C18 SECTION 1200 SPECIFICATIONS.

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

CEDAR FLAT
TIMBER SALE
ESTIMATE OF QUANTITIES*

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 2 OF 4

EXHIBIT D6-3

ROAD NUMBER	FROM	TO	LENGTH	MAINTENANCE RESPONSIBILITY			DUST ABATEMENT / WATERING	SPOT ROCKING	ROAD CLOSURE AND DECOMMISSIONING					
				BLM MAINTENANCE	PURCHASER MAINTENANCE	THIRD PARTY MAINTENANCE			INSTALL EARTH/LOG BARRICADE	REMOVE CULVERTS	INSTALL WATER BARS	CAMOUFLAGE ROAD ENTRANCE (100 FT)	SUB-SOIL/ RIPPING/ DECOMPACT SUBGRADE	SOIL STABILIZATION (SEED & MULCH)
	MILE/STA	MILE/STA	MILE/STA	MILE	MILE	MILE	MILE	MILE	EA	EA	EA	EA	STA	ACRE
39-6-12.03	0.00	0.16	0.16		0.16			**						
39-6-12.04	0.00	0.13	0.13		0.13			**						
39-6-23.00	0.00	0.31	0.31		0.31			**						
39-6-23.02	0.00	0.23	0.23		0.23			**						
39-6-25.00 (A)	0.00	0.61	0.61		0.61			**						
39-6-25.01	0.00	0.76	0.76		0.76			**						
39-6-25.04 (A-E)	0.00	1.13	1.13		1.13			**	2		11			
39-6-25.05	0.00	0.26	0.26		0.26			**	1	1	2	1		
39-6-26.00 (A-B)	0.00	0.71	0.71		0.71			**	1		6			
39-6-36.00 (A-B)	0.00	1.27	1.27	1.27				**						
FS 4609-940	0.00	0.18	0.18		0.18			**						
PAGE 3 TOTALS			5.75	1.27	4.48			**	4	1	19	1		

DECOMMISSIONING NOTES

1. ALL TEMP ROUTE ARE TO BE CLOSED PER EXHIBIT D SPECIFICATIONS AND DECOMMISSIONING WORKLIST.

2. LONG-TERM CLOSURE WORK SHALL INCLUDE WATER BARRING AND BARRICADING.

3. DECOMMISSIONING SHALL INCLUDE CAMOUFLAGING THE ENTRANCE, WATER BARRING, SEEDING & MULCHING, AND BARRICADING.

*FOR INFORMATIONAL USE ONLY. QUANTITIES SHOWN ARE NOT PAY ITEMS.

**1,000CY OF SURFACE COURSE AGGREGATE FOR ROAD RESURFACING AND SPOT ROCKING SHALL BE FURNISHED AND PLACED ON AGGREGATE ROADS AFTER USE. ROCK SHALL BE OBTAINED FROM A COMMERCIAL SOURCE AND SHALL MEET EXHIBIT C18 SECTION 1200 SPECIFICATIONS.

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

CEDAR FLAT
TIMBER SALE
ESTIMATE OF QUANTITIES*

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2025	SHEET: 3 OF 4

EXHIBIT D6-4

ROAD NUMBER	FROM	TO	LENGTH	MAINTENANCE RESPONSIBILITY			DUST ABATEMENT/ WATERING	SPOT ROCKING	ROAD CLOSURE AND DECOMMISSIONING					
				BLM MAINTENANCE	PURCHASER MAINTENANCE	THIRD PARTY MAINTENANCE			INSTALL EARTH/LOG BARRICADE	REMOVE CULVERTS	INSTALL WATER BARS	CAMOUFLAGE ROAD ENTRANCE (100 FT)	SUB-SOIL/ RIPPING/ DECOMPACT SUBGRADE	SOIL STABILIZATION (SEED & MULCH)
	MILE/STA	MILE/STA	MILE/STA	MILE	MILE	MILE	MILE	MILE	EA	EA	EA	EA	STA	ACRE
TR 03-03B	0+00	17+40	0.33		0.33				1		11	1		0.40
TR 12-05	0+00	19+50	0.37		0.37				1		12	1		0.60
TR 17-01	0+00	3+50	0.07		0.07				1		2	1		0.10
TR 17-02A	0+00	12+10	0.23		0.23				1		7	1		0.35
TR 17-03A	0+00	9+60	0.18		0.18				1		6	1		0.20
TR 26-01A	0+00	6+10	0.12		0.12				1		4	1		0.20
TR 26-01B	0+00	1+65	0.03		0.03						1			0.05
TR 26-01E	0+00	2+00	0.04		0.05				1		1			0.05
TR 34-03	0+00	6+00	0.11		0.11				1		3			0.15
PAGE 1 TOTALS			22.59	12.10	10.49		1.89	**						
PAGE 2 TOTALS			18.49	11.98	6.51		0.50	**	4		45	3		
PAGE 3 TOTALS			5.75	1.27	4.48			**	4	1	19	1		
PAGE 4 TOTALS			1.48		1.49				8	1	47	6		
PROJECT TOTALS			48.31	25.35	22.97		2.39	1000	16		111	10		2.10

DECOMMISSIONING NOTES

1. ALL TEMP ROUTE ARE TO BE CLOSED PER EXHIBIT D SPECIFICATIONS AND DECOMMISSIONING WORKLIST.

2. LONG-TERM CLOSURE WORK SHALL INCLUDE WATER BARRING AND BARRICADING.

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**1,000CY OF SURFACE COURSE AGGREGATE FOR ROAD RESURFACING AND SPOT ROCKING SHALL BE FURNISHED AND PLACED ON AGGREGATE ROADS AFTER USE. ROCK SHALL BE OBTAINED FROM A COMMERCIAL SOURCE AND SHALL MEET EXHIBIT C18 SECTION 1200 SPECIFICATIONS.

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MEDFORD DISTRICT - MEDFORD, OREGON

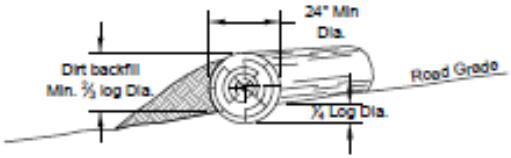
CEDAR FLAT
TIMBER SALE
ESTIMATE OF QUANTITIES*

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 4 OF 4

EXHIBIT D7

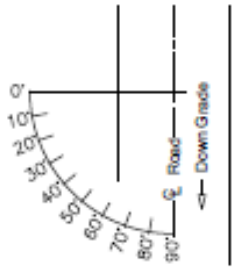


LOG BARRICADE



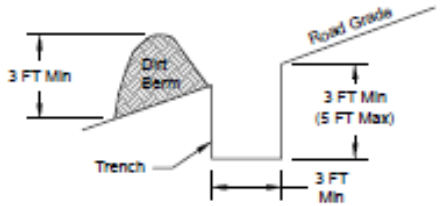
1. Log barricade shall be constructed as shown above.
2. Exact location is listed in Decommissioning Work List.
3. All barricades shall be skewed 30 degrees.
4. The log length shall extend from the cut bank to the fill slope.
5. The minimum small end diameter of the log barricade shall be 24".

SKEW DIAGRAM





TRENCH BARRICADE



1. Trench barricade shall be constructed as shown above.
2. Exact location is listed in the Decommissioning Work List.
3. All barricades shall be skewed as needed to drain.
4. Trench barricade length shall extend from the cut bank to the fill slope or to a point sufficient to prohibit the crossing of motor vehicle traffic.

WATER BAR SPACING* BY EROSION CLASS^

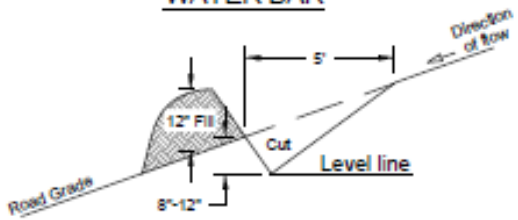
ROAD GRADE	HIGH	MODERATE	LOW
%	FEET	FEET	FEET
2-5	200	300	400
6-10	150	200	300
11-15	100	150	200
16-20	75	100	150
21-35	50	75	100
35+	50	50	50

* Spacing is determined by slope distance and is the maximum allowed for the grade.

^ The erosion classes include the following rock types:
High: Granite, sandstone, andesite porphyry, glacial or alluvial deposits, soft matrix conglomerate, volcanic ash, and pyroclastics.
Moderate: Basalt, andesite, quartzite, hard matrix conglomerate, and rhyolite.
Low: Metasediments, metavolcanics, and hard shale.



WATER BAR



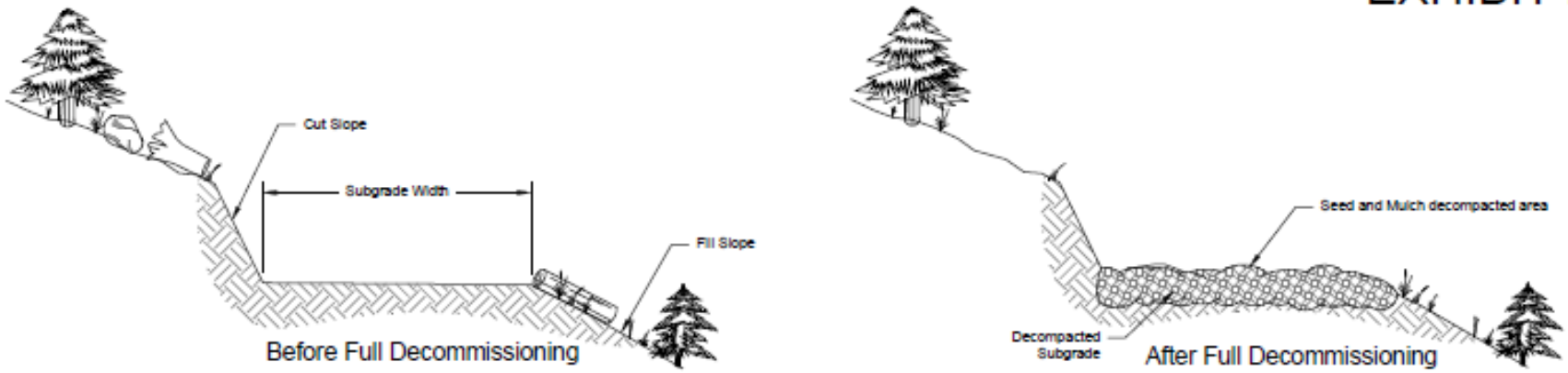
1. Water bars shall be constructed as shown above.
2. Exact location will be flagged by the Authorized Officer prior to construction.
3. All water bars shall be skewed 30 degrees.
4. Upon completion of skidding logs, for the logging season, each skid road will have cross drainage constructed as shown above.

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MEDFORD DISTRICT - MEDFORD, OREGON

CEDAR FLAT TIMBER SALE BARRICADE AND WATER BAR DETAILS

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 1

EXHIBIT D8



Typical Full Decommission

Notes:

1. The Purchaser shall barricade and decompact the temp route subgrade. Barricades shall be constructed as shown in Exhibit D7 Barricade and Water Bar Details.
2. Ditch lines at intersecting existing roads will be restored to their original shape.
3. Road surface shall be decompacted for its entire length using mechanical equipment. Decompact road surface to a depth of 8 to 12 inches. Where it is determined by the Authorized Officer that decompaction may cause unacceptable damage to the root systems of residual trees along a majority of the temp route, decompaction may be intermittent, or scarification may be used instead. Decompacted areas shall be seed and mulched upon completion.
4. All temporary culverts (if any) shall be removed from temp routes entirely. Excavated culvert trenches shall be left open to drain and have side slopes laid back to 1½:1. Where draw culverts are removed, the grade of the channel shall be restored to match existing stream grade. Culverts not designated as salvage for the Government shall become the property of the Contractor. The Contractor shall be responsible for legally disposing of material.
5. See Section 1800 for Seeding and Mulching Specifications.



Typical Culvert Removal - Before



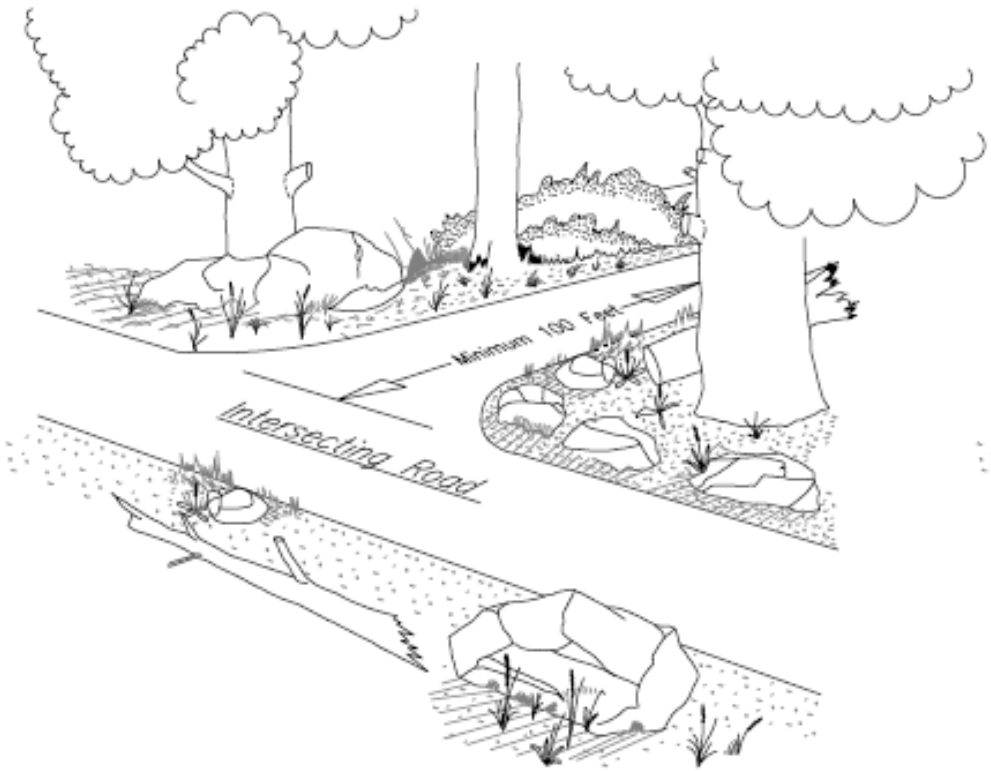
Typical Culvert Removal - After

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MEDFORD DISTRICT - MEDFORD, OREGON

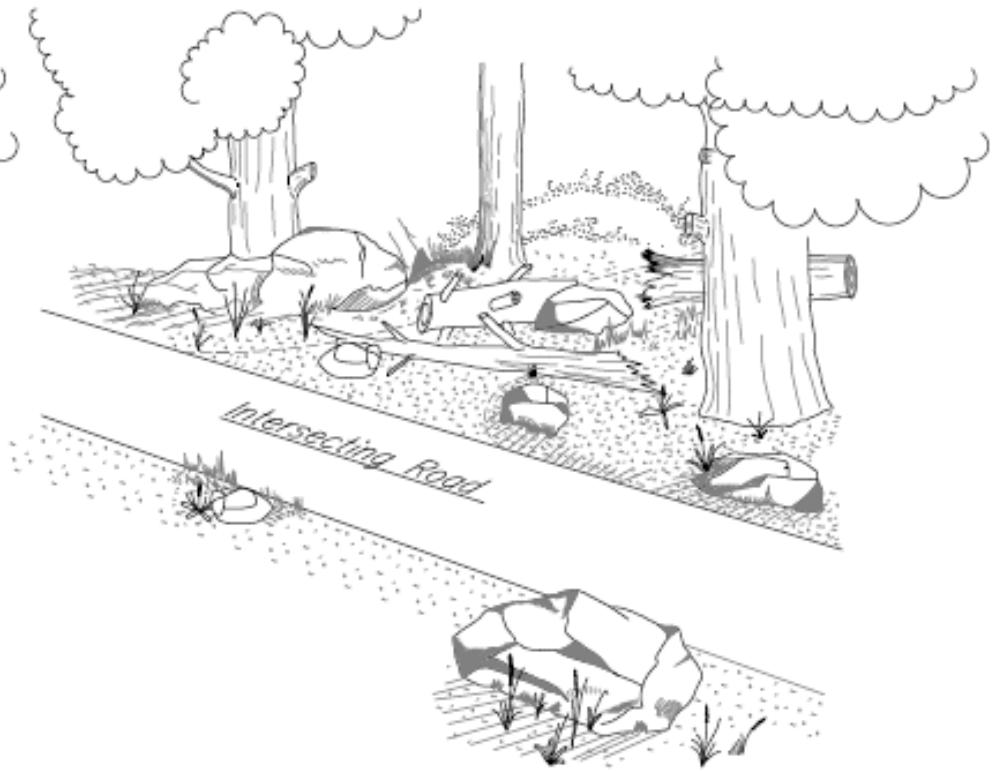
CEDAR FLAT TIMBER SALE DECOMPACTION AND CULVERT REMOVAL DETAILS

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 1

EXHIBIT D9



Typical Entrance - Before



Typical Entrance - After

NOTES:

1. The Purchaser shall barricade and Camouflage the road prism and disguise the roadbed so that the road entrance and roadway are indiscernible from the intersecting road. Camouflaged entrances shall consist of logs, slash, boulders and others debris placed along road entrances for a minimum of 100 feet or to the first curve or hillcrest to discourage vehicle use. An Earth Berm or equivalent barricade shall be constructed at road entrance as approved by the Authorized Officer.

2. Where multiple entrances exist, the work shall include obscuring all road entrances. Ditchlines at intersecting roads will be restored as indicated on plan view. The Purchaser shall use soil, boulders, brush, dead material, stumps, and other debris to disguise the road prism to the extent possible. No live trees should be used without approval of the Authorized Officer.

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

CEDAR FLAT
TIMBER SALE
TYPICAL ROAD
CAMOUFLAGE DETAIL

DRAFTED BY: BLM	SCALE: NONE
DATE: JULY 2026	SHEET: 1 OF 1

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SPECIAL PROVISIONS TO CONTROL THE SPREAD OF PORT-ORFORD CEDAR ROOT DISEASE

A. VEHICLE AND EQUIPMENT CLEANING:

1. Cleaning shall consist of the removal of soil by washing with a high pressure hose or steam cleaning. Vehicles and equipment shall be cleaned and inspected at washing stations designated by the Authorized Officer. Washing at project site will require that water is treated with Clorox® bleach at a ratio of 1 gallon bleach to 1,000 gallons water. Water source for site washing will be designated by the Authorized Officer.

2. All equipment parts shall be cleaned as designated by the Authorized Officer. For equipment cleaning checklist see page 2 of this exhibit.

B. OPERATIONS:

1. Seasonal Restriction. Road work shall be limited to dry periods during the dry season, as designated by the Authorized Officer, unless prior to entering uninfested areas (units 1-2, 3-3, 11-1, 12-1, 12-3, 12-5, 12-5 ROW, 23-1, 23-4, 23-5, 25-2, 25-4, 31-2, 34-1, 34-3, 17.0 RS, 18.1 RS, and 23.0 RS and roads 39-5-7.1, 39-5-17.0, 39-5-17.4, 39-5-17.6, 39-5-18.1, 39-5-19.2, 39-5-19.5, 39-5-19.6, 39-5-19.7, 39-5-31.1, 39-5-34.0, 39-6-12.2, 39-6-12.4, 39-6-23.0, 39-6-23.2, 39-6-36.0, and TR 12-5) or prior to leaving infested areas, all vehicles and equipment are cleaned in accordance with Sections A.1. and A.2. above. An exception will be made if all vehicles are confined to operating on bituminous or gravel-surfaced roads and stay on the designated surfacing at all times. The Authorized Officer will designate access routes and areas for parking vehicles.

2. Cleaning of Project Equipment. All project equipment that comes into contact with soils, as designated by the Authorized Officer, shall be cleaned prior to entering uninfested areas (units 1-2, 3-3, 11-1, 12-1, 12-3, 12-5, 12-5 ROW, 23-1, 23-4, 23-5, 25-2, 25-4, 31-2, 34-1, 34-3, 17.0 RS, 18.1 RS, and 23.0 RS and roads 39-5-7.1, 39-5-17.0, 39-5-17.4, 39-5-17.6, 39-5-18.1, 39-5-19.2, 39-5-19.5, 39-5-19.6, 39-5-19.7, 39-5-31.1, 39-5-34.0, 39-6-12.2, 39-6-12.4, 39-6-23.0, 39-6-23.2, 39-6-36.0, and TR 12-5) or prior to leaving infested areas in accordance with Sections A.1. and A.2. above.

3. Water for Non-Washing Use. Water for roadwork, dust abatement, or fire prevention will be approved by the Authorized Officer and shall be from uninfested water sources or shall be treated with Clorox®.

Equipment Cleaning Checklist

This checklist (for optional use) is referenced in the Washing Project Equipment management practice.

The purpose of this checklist is to provide guidance in the cleaning of equipment, as stipulated in contracts, to control or prevent the spread of noxious weeds and PL. The checklist directs attention to specific areas on equipment that are likely to accumulate soil and organic material.

Questions to ask about overall equipment cleanliness are:

1) Does the equipment appear to have been cleaned?
2) Is the equipment clean of clumps of soil and organic matter?

Rubber-Tired Vehicles

- Tires
- Wheel rims (underside and outside)
- Axles
- Fenders/wheel wells/trim
- Bumpers

Track-Laying Vehicles

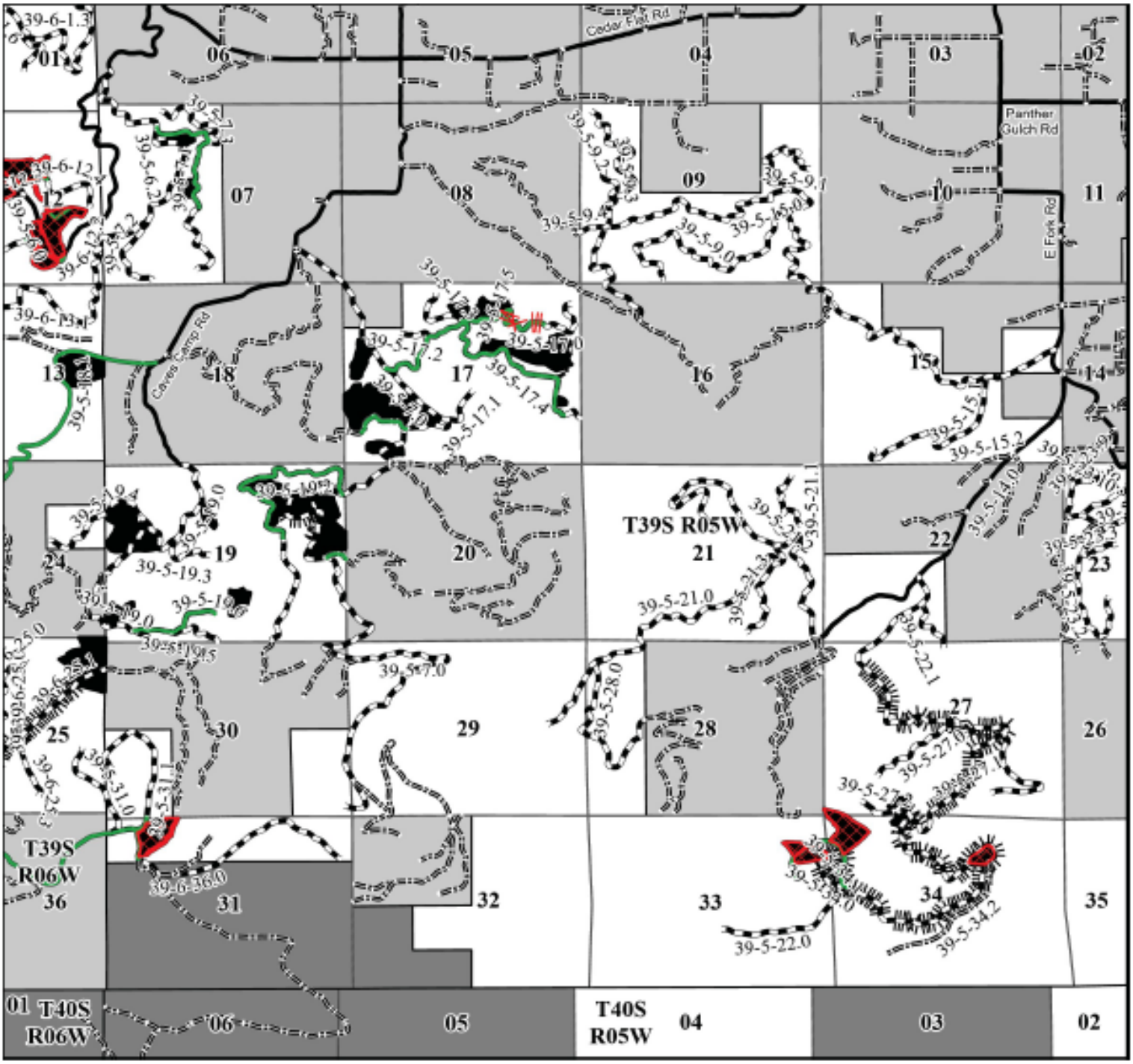
- Tracks
- Road wheels
- Drive gears
- Sprockets
- Roller frame
- Track rollers/idlers

All Vehicles

- Frame
- Belly pan (inside)
- Stabilizers (jack pads)
- Grapple and arms
- Dozer blade or bucket and arms
- Ripper
- Brush rake
- Winch
- Shear head
- Log loader
- Water tenders (empty or with treated water)
- Trailers (low-boys)
- Radiator/grill
- Air filter/pre-cleaner
- Struts/springs/shocks
- Body seams

U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.5 W., SEC. 7, 17, 19, 27, 31, 33, & 34 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT P POC Map



Legend

- Cedar Flat TS Units
- Units w/ POC Seasonal Restrictions
- Cedar Flat Roadside Clearing Units
- RS Units w/ POC Seasonal Restrictions
- Temp Construction
- Paved
- Rocked
- Natural Surface
- Haul Routes w/ POC Seasonal Restrictions

LJBLM
USFS
LJ Private

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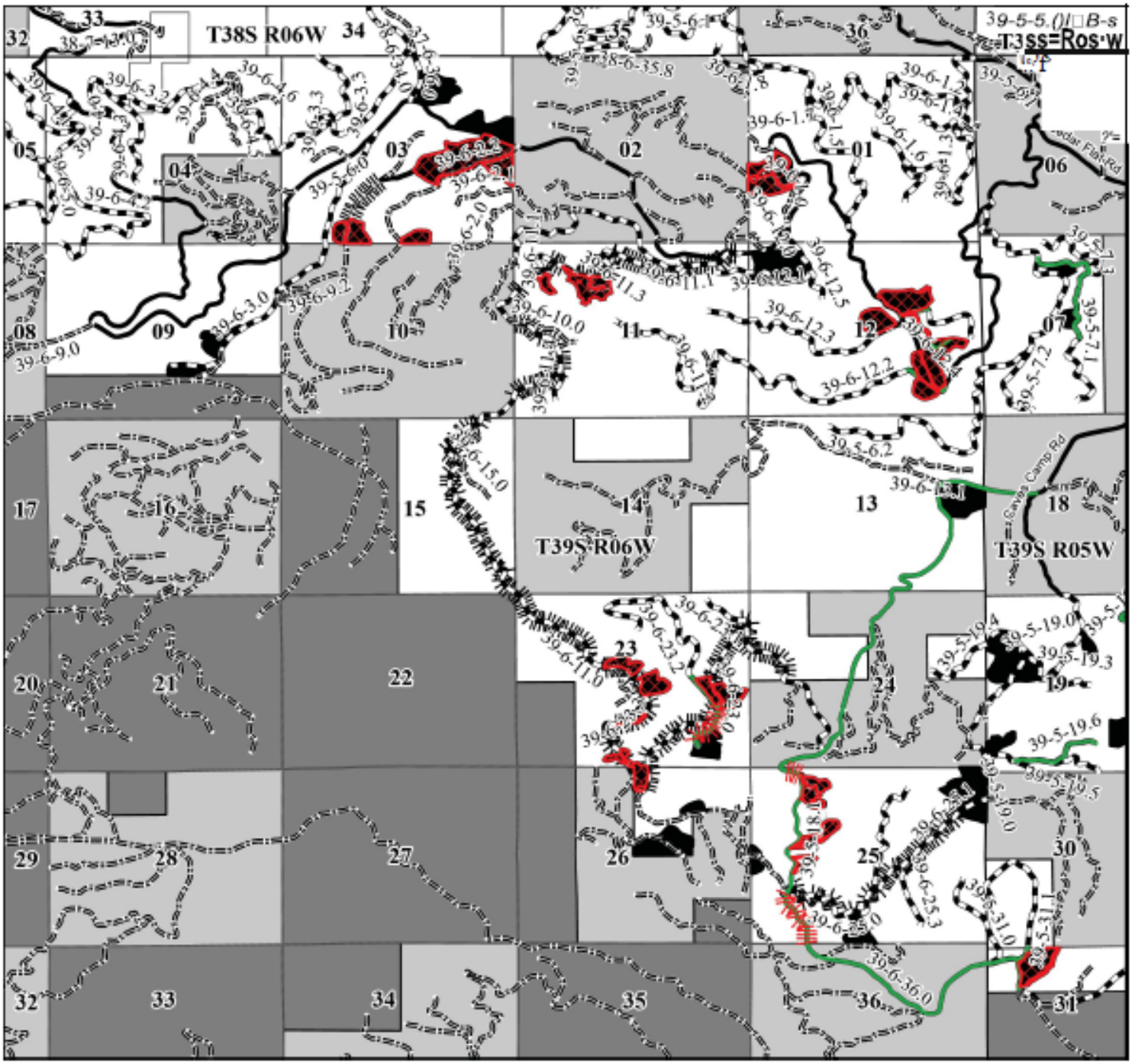
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM0?-TS-2026.0007
T.39 S., R.6 W., SEC. 1, 3, 9, 11, 12, 13, 15, 23, 24, 25, & 26 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT P POC Map
PAGE4OF4



Legend

- Cedar Flat TS Units
- Units w/ POC Seasonal Restrictions
- Cedar Flat Roadside Clearing Units
- RS Units w/ POC Seasonal Restrictions
- Temp Construction
- Paved
- Rocked
- Natural Surface
- Haul Routes w/ POC Seasonal Restrictions

LJBLM
USFS
LJ Private

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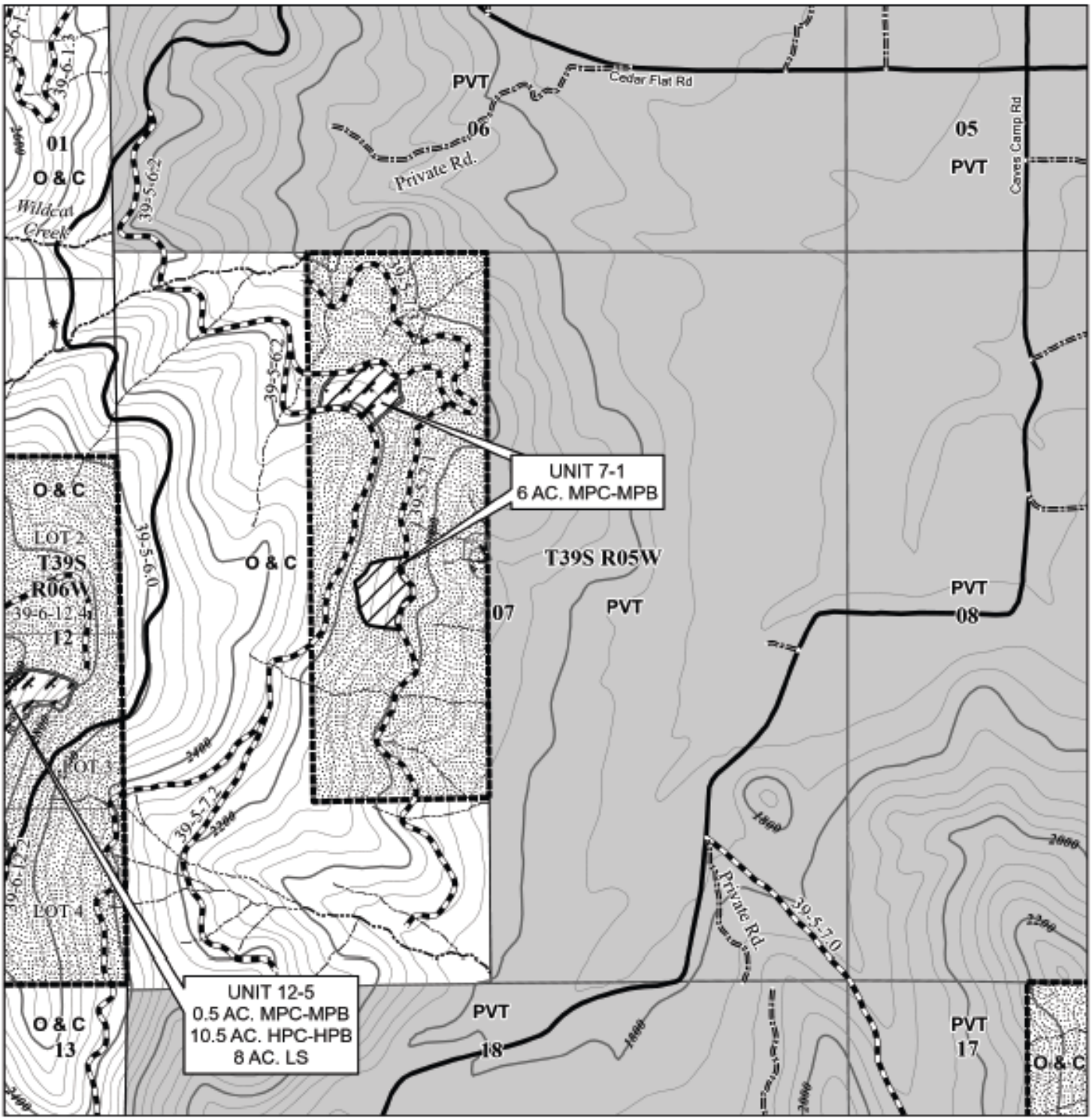
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T.39 S., R.5 W., SEC. 7 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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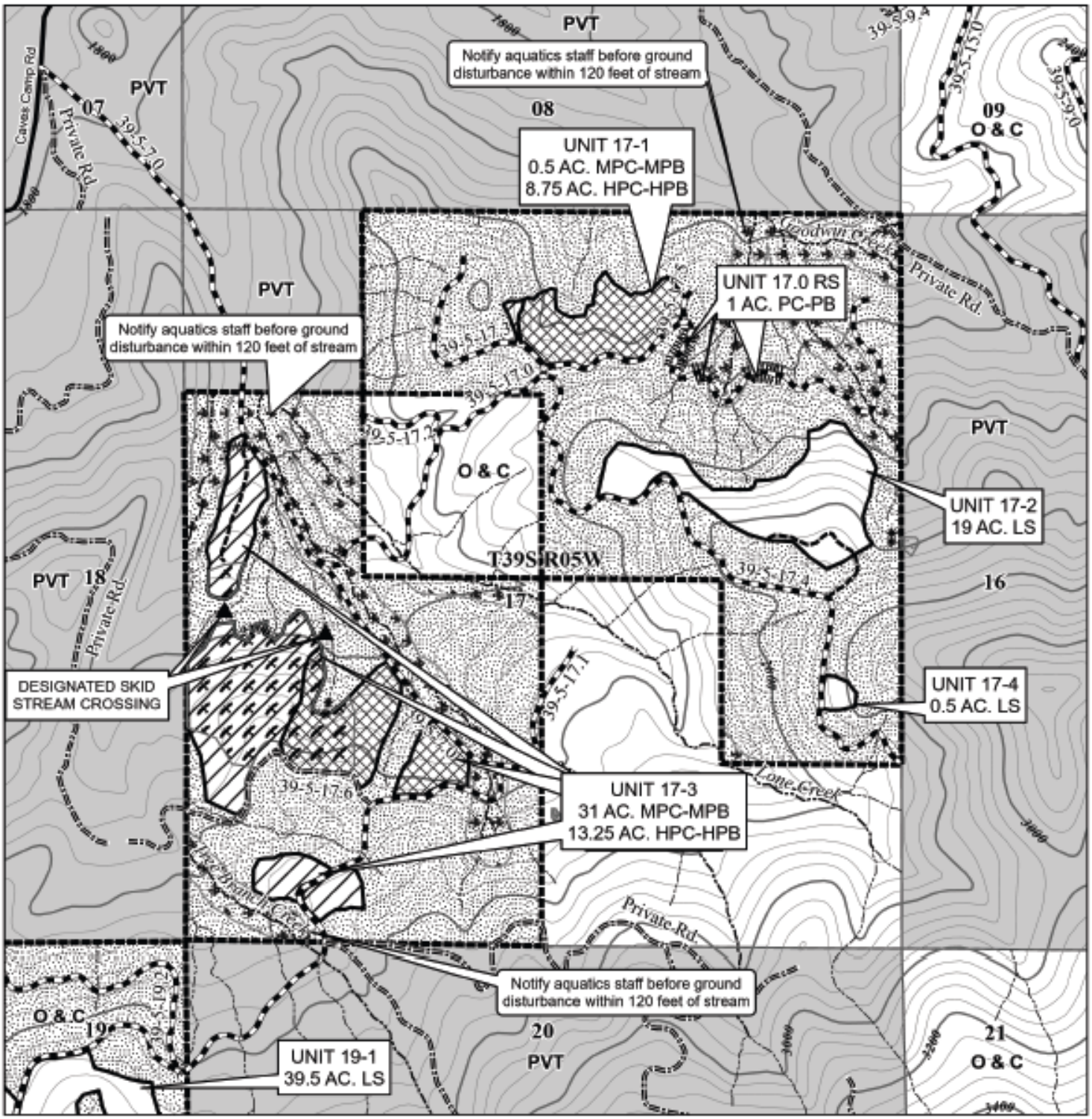
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T.39 S., R.5 W., SEC. 17 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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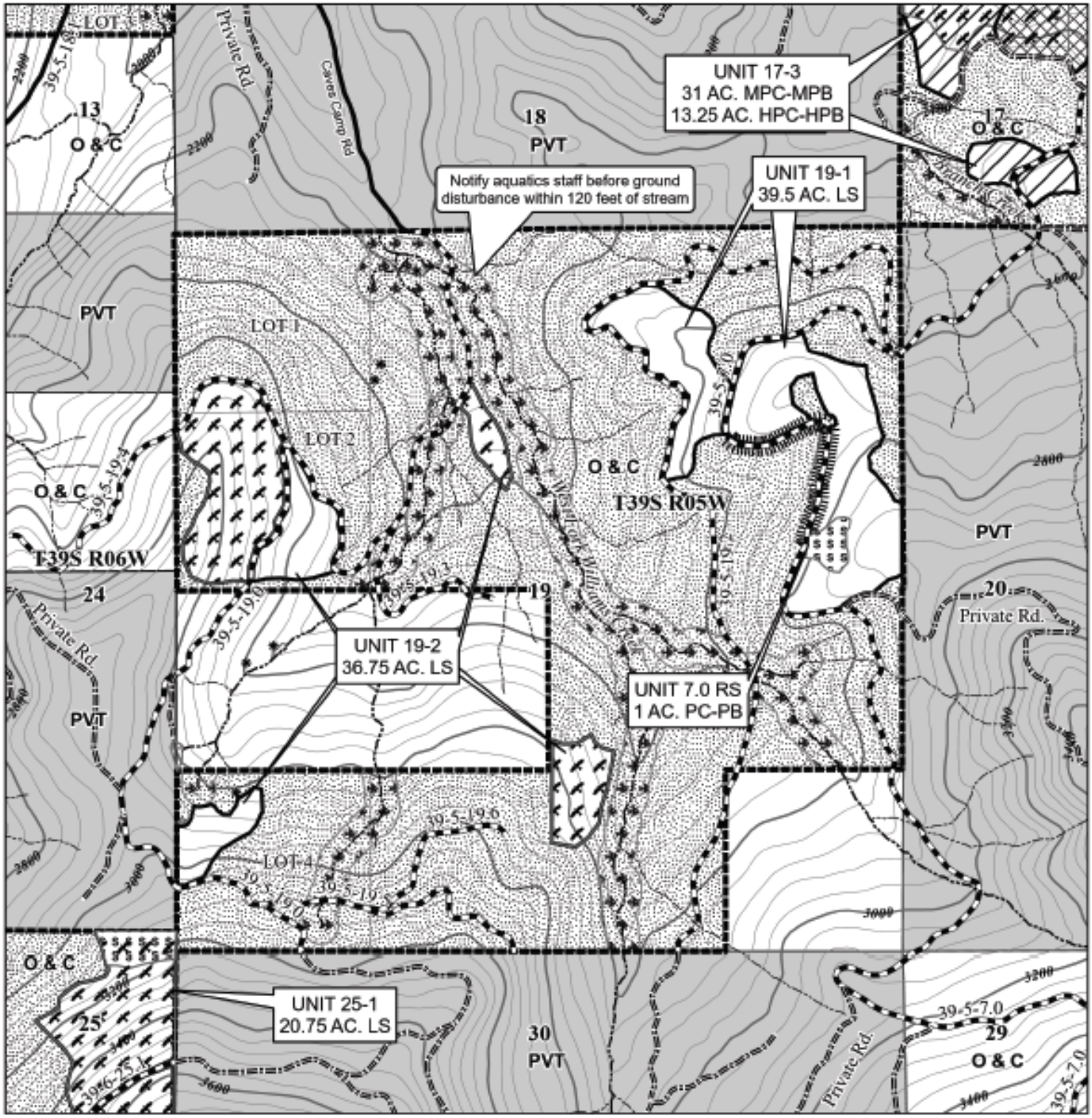
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T.39 S., R.5 W., SEC. 19 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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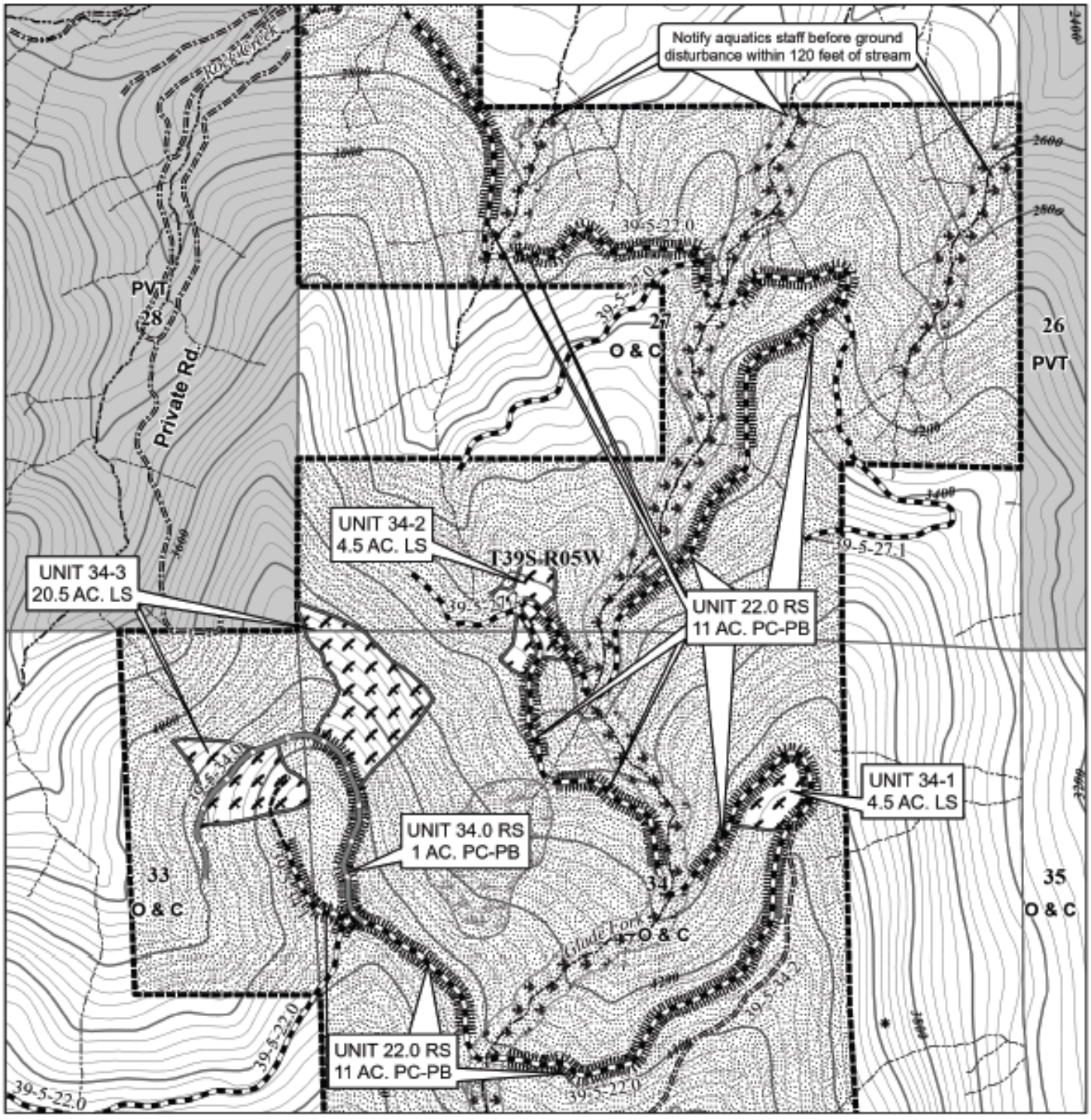
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T.39 S., R.5 W., SEC. 27, 33, & 34 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



0 1,000 2,000 Feet

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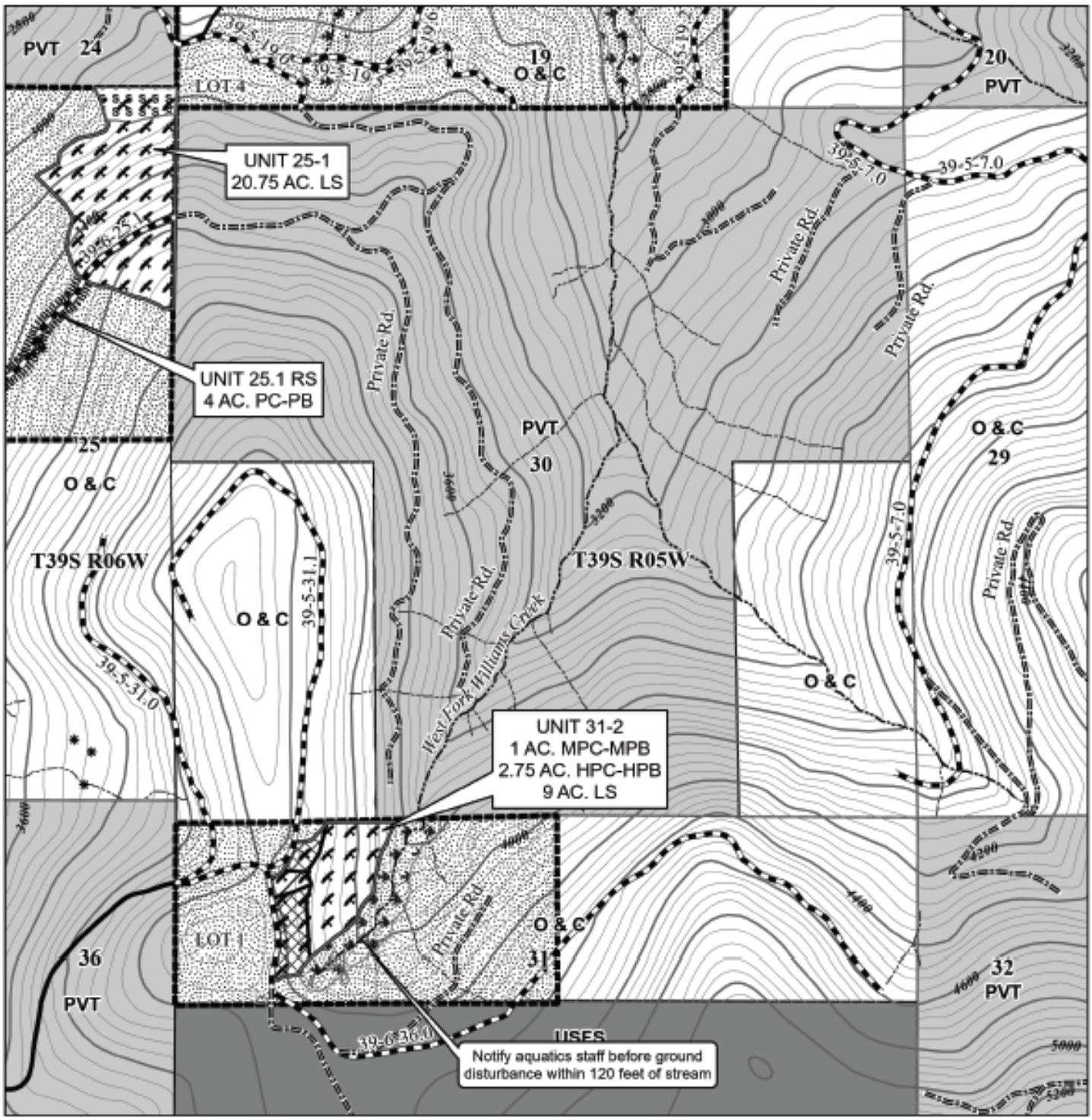
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T.39 S., R.5 W., SEC. 31 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



0 1,000 2,000 Feet 1:12,000

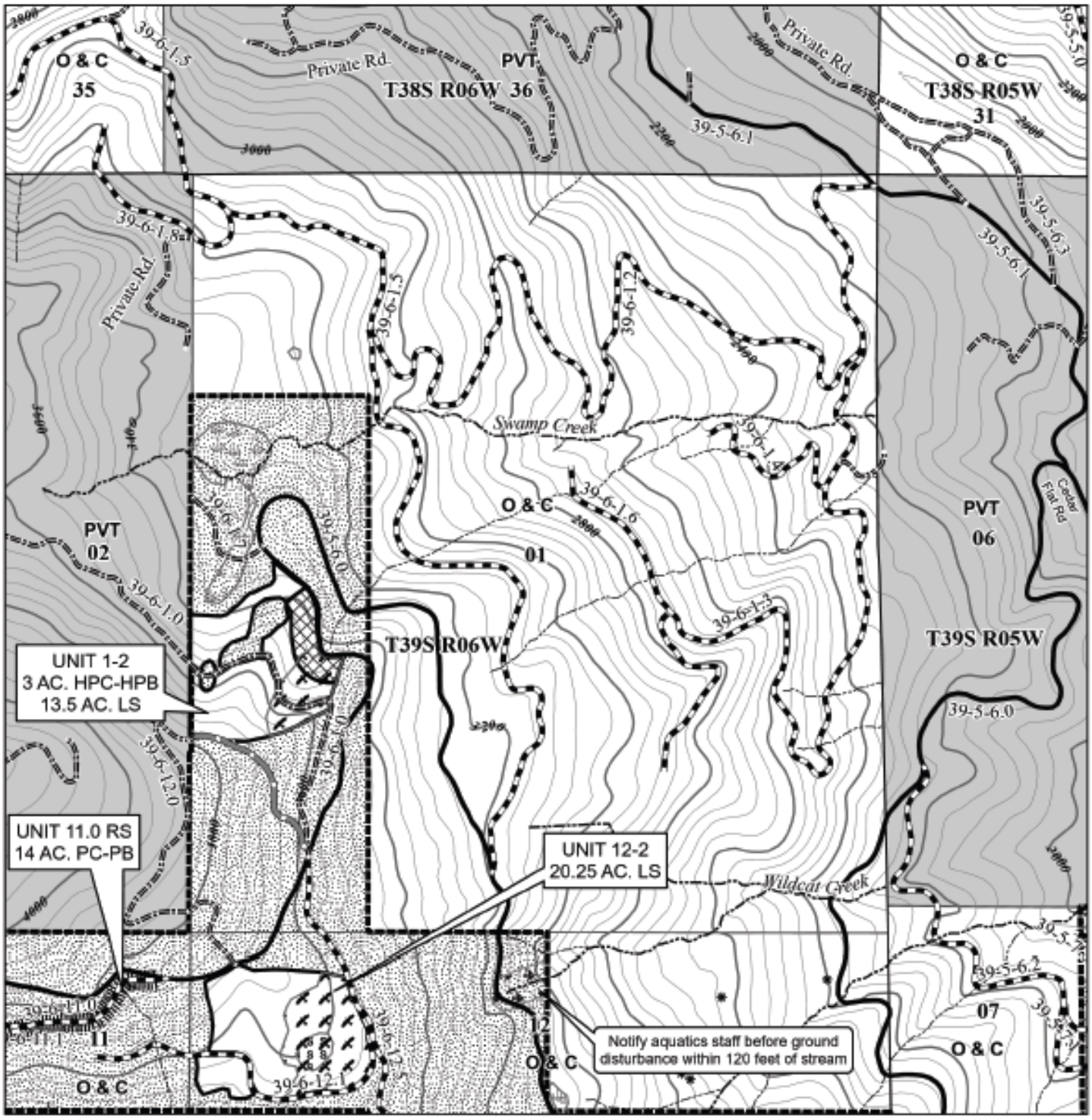
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 1 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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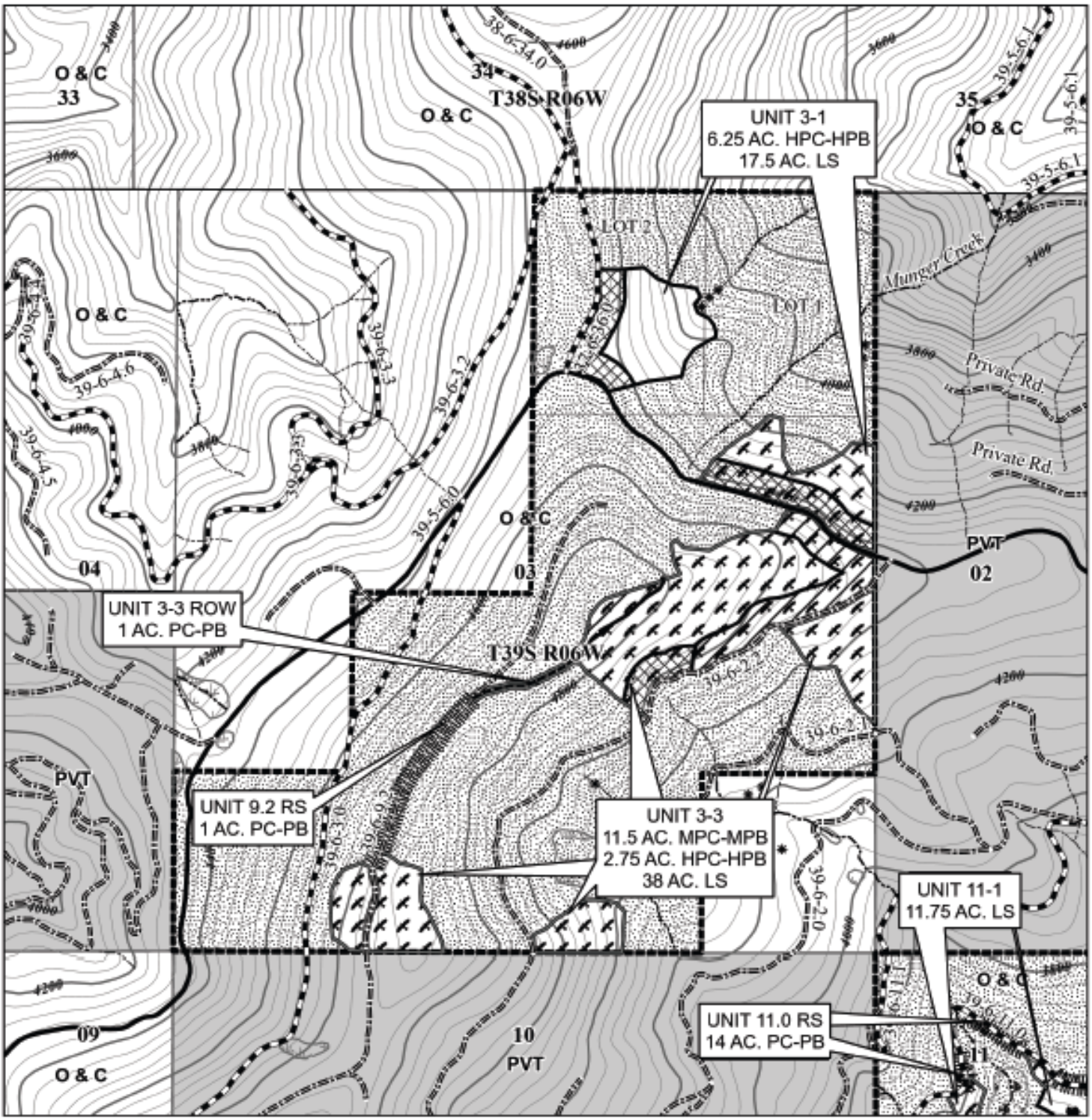
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 3 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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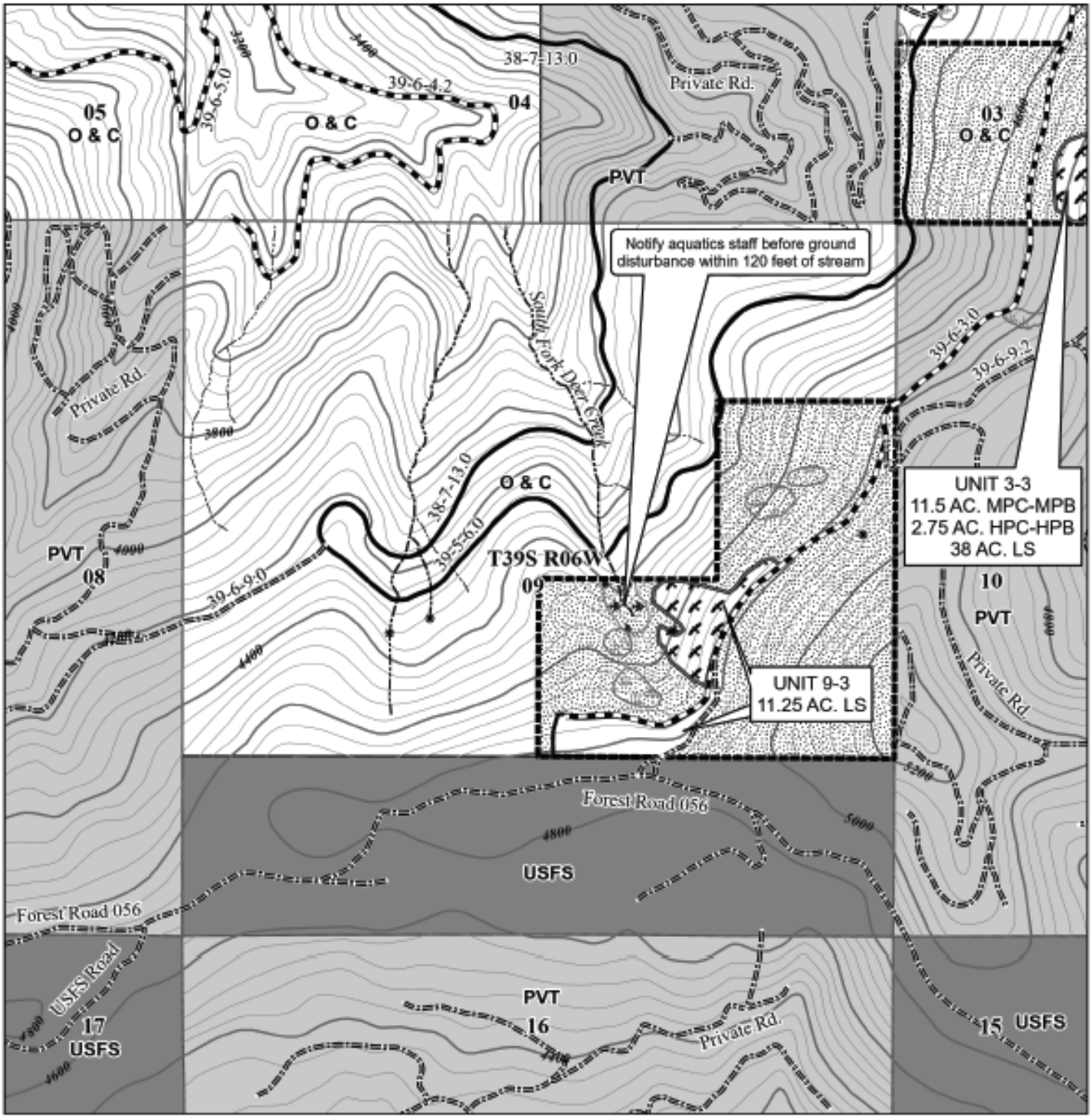
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 9 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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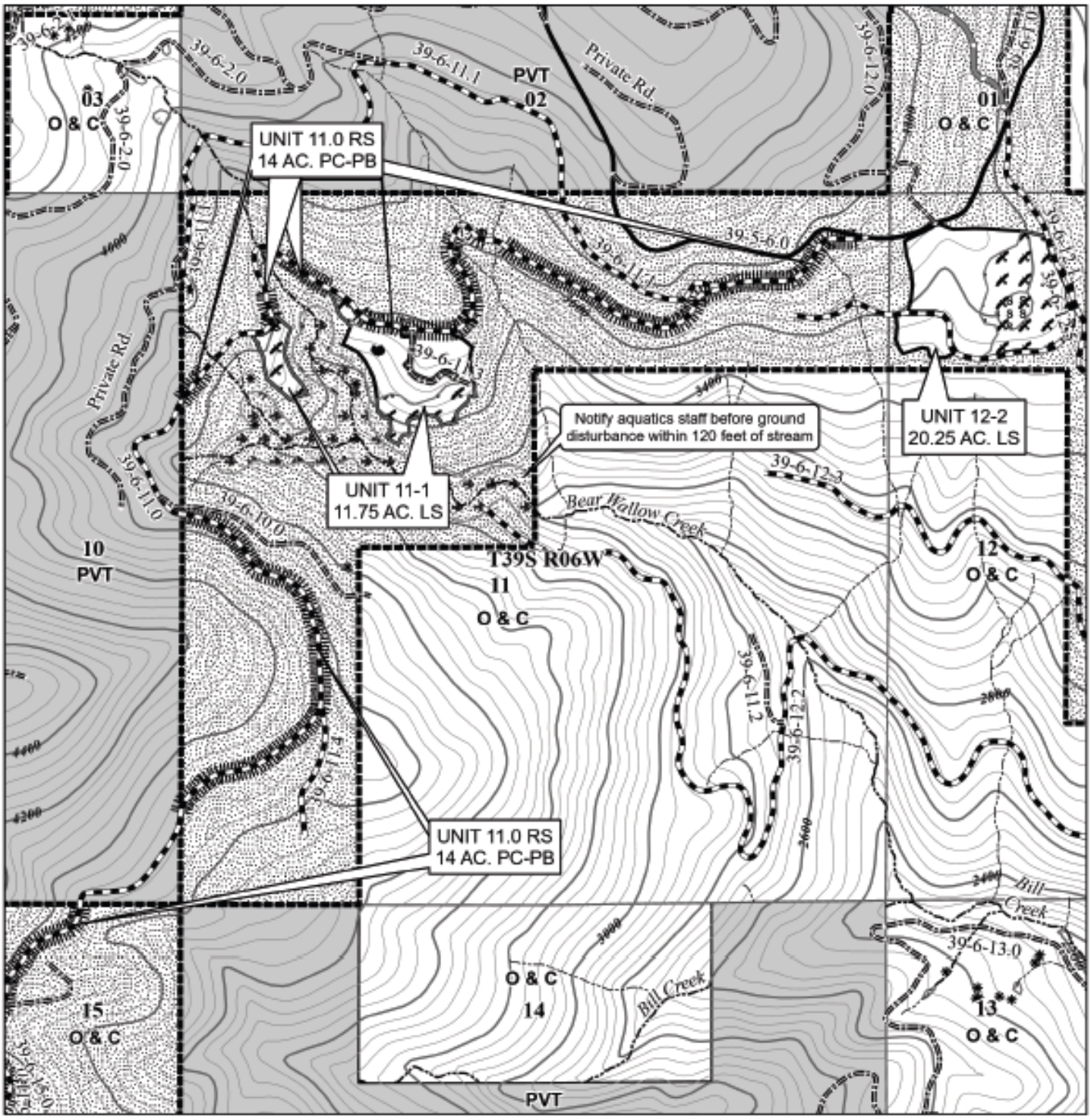
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 11 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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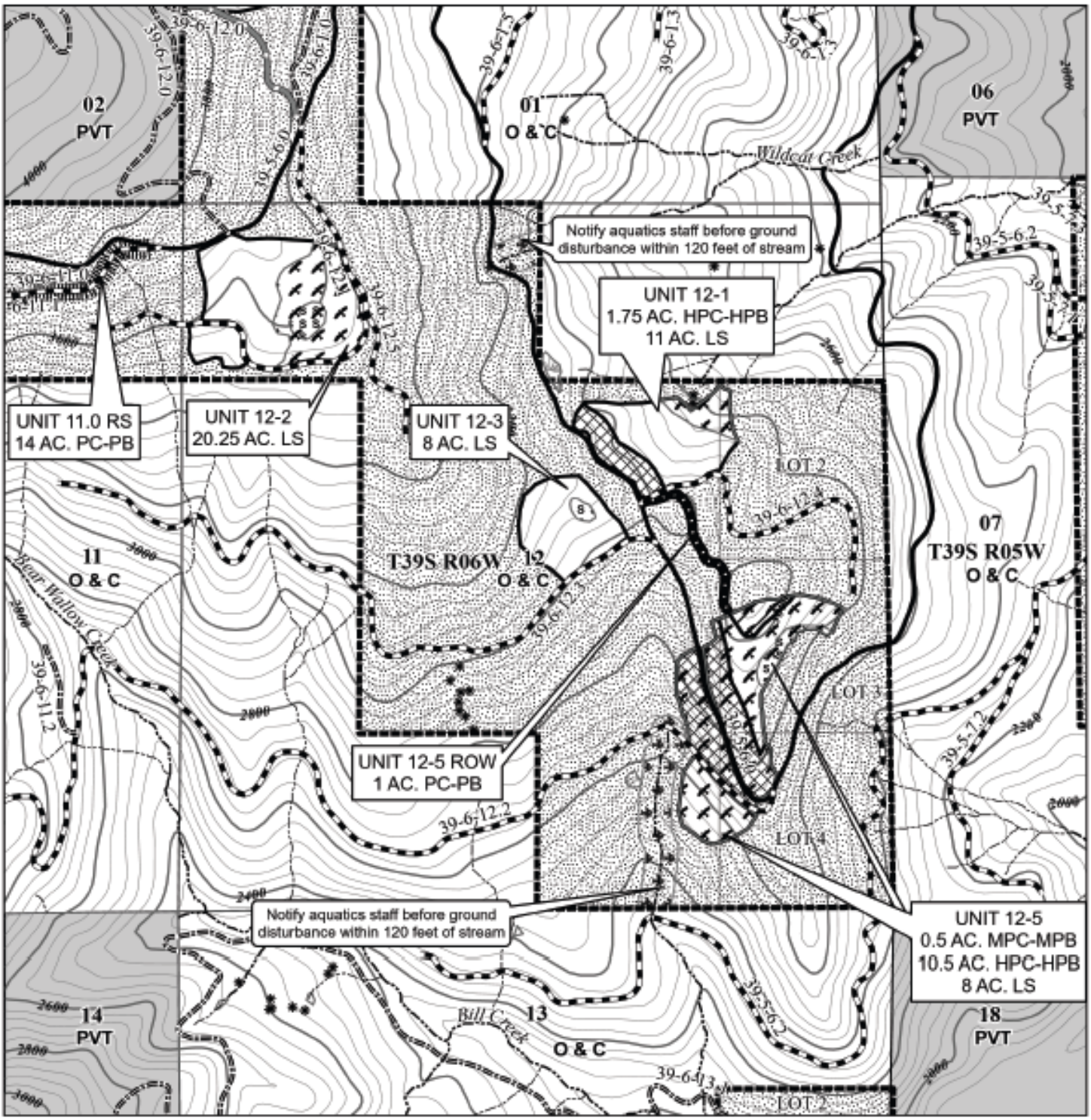
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 12 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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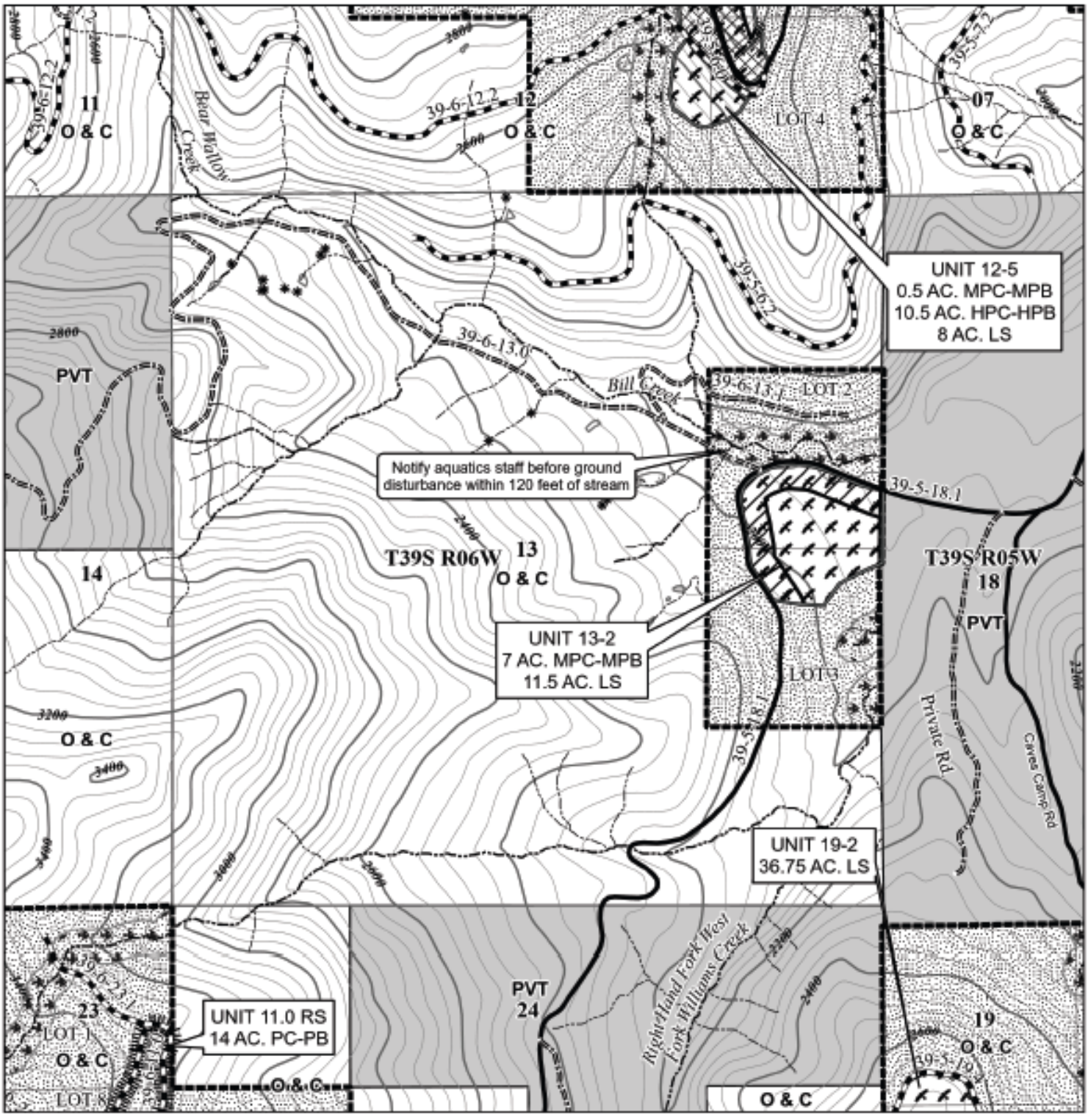
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 13 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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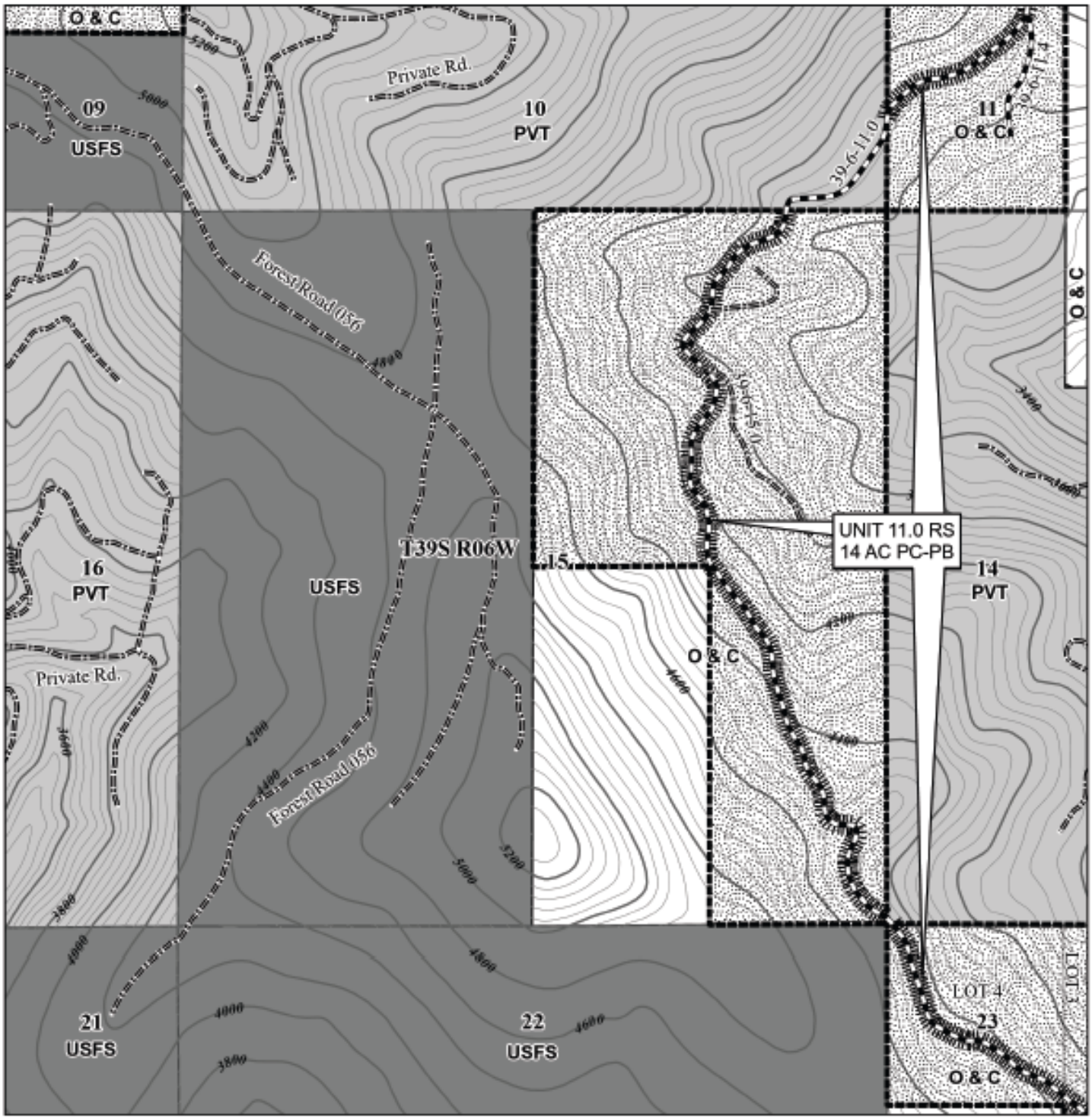
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 15 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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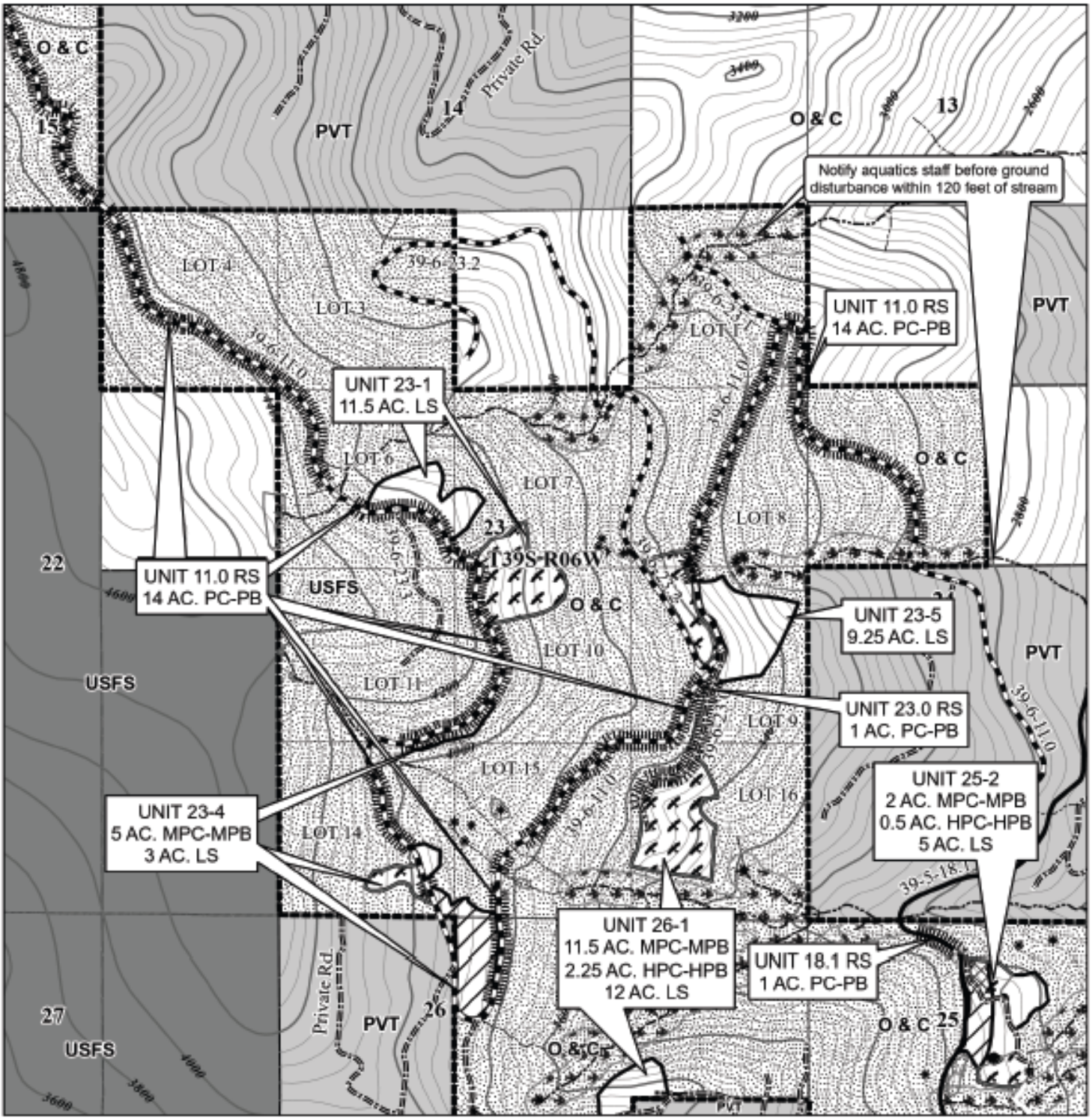
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 23 & 24 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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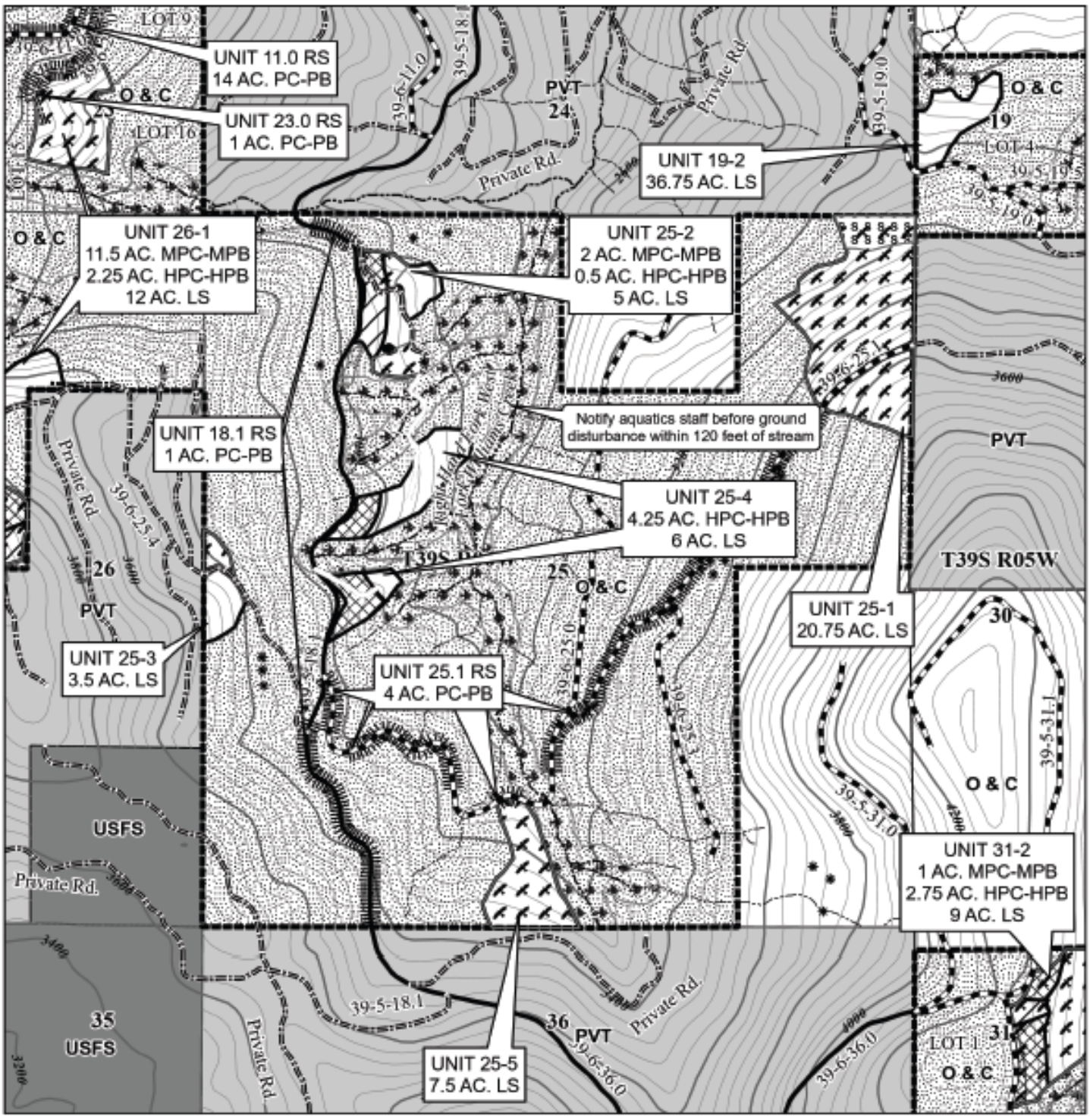
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 25 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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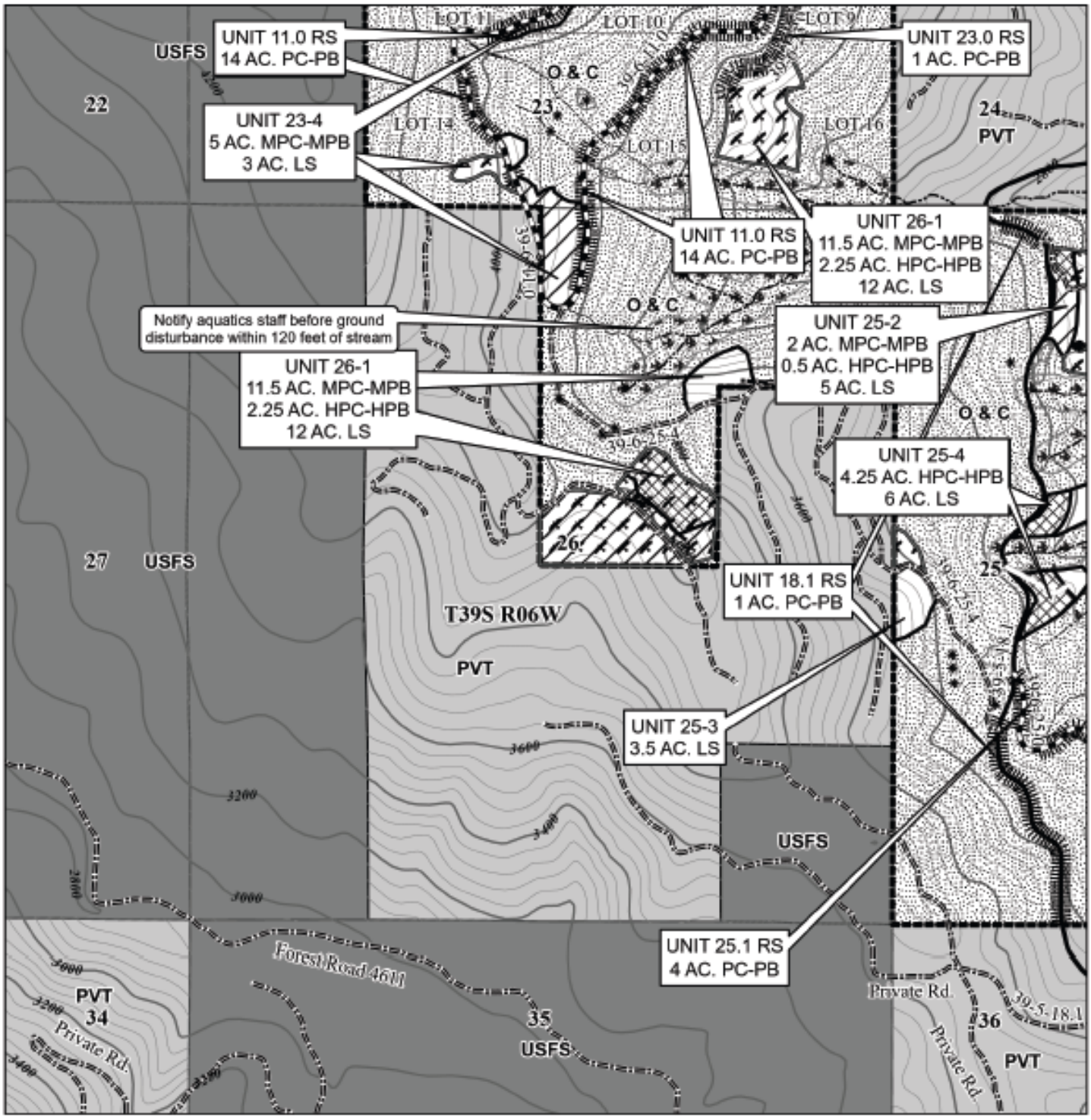
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U.S.D.I BLM MEDFORD DISTRICT SALE NO. ORM07-TS-2026.0007
T.39 S., R.6 W., SEC. 26 WILL. MER.
CEDAR FLAT TIMBER SALE
JOSEPHINE COUNTY

TIMBER SALE CONTRACT MAP
EXHIBIT S



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LEGEND

Cedar Flat Timber Sale Units

Slash Disposal Rx

- Hand Pile
- Lop and Scatter
- Machine Pile
- Skip
- Northern Spotted Owl Seasonal Restrictions
- Cedar Flat Roadside Clearing Units
- Designated Stream Crossings
- Inner Zone Near Fish Bearing Streams*

Cedar Flat Road Work

- Temp Construction
- Improvement - Widening

Road Surface Type

- Paved
- Rocked
- Natural Surface

- Reserve Area
- Contract Area Boundary

Streams

- Intermittent
- Perenial
- Springs
- Waterbodies

Contours

- Index - 200 ft.
- Intermediate - 40 ft.
- County
- Township & Range
- Section
- Lots

Ownership

- O & C Bureau of Land Management
- USFS U.S. Forest Service
- PVT Private Individual or Company

*Notify fish biologist and/or hydrologist before ground disturbance occurs within 120 feet of stream to mitigate impacts to fish bearing streams nearby

**BOUNDARIES OF HARVEST UNITS ARE POSTED AND PAINTED IN ORANGE

MPC-MPB = MACHINE PILE & COVER, MACHINE PILE BURN
HPC-HPB = HAND PILE & COVER, HAND PILE BURN
LS = LOP & SCATTER
PC-PB = PILE COVER & PILE BURN
GB = GROUND-BASED YARD

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SLASH DISPOSAL SUMMARY BY UNIT AND PRESCRIPTION

UNIT	UNIT ACRES	SLASH TREATMENT ACRES (INCLUDING EXTERNAL LANDINGS	LOP & SCATTER ACRES	HAND PILE, COVER & BURN ACRES	MACHINE PILE COVER & BURN ACRES	COVER & BURN ROADSIDE PILES ACRES	LANDINGS COVER & BURN ACRES
1-2	19	19.00	13.50	3.00			2.50
3-1	27	27.50	17.50	6.25			3.75
3-3	57	57.00	38.00	2.75	11.50		4.75
3-3 ROW	1	1.00				1.00	
7-1	7	7.00			6.00		1.00
9-3	14	14.00	11.25				2.75
11-1	14	14.50	11.75				2.75
12-1	14	14.00	11.00	1.75			1.25
12-2	23	21.75	20.25				1.50
12-3	9	8.50	8.00				0.50
12-5	24	22.75	8.00	10.50	0.50		3.75
12-5 ROW	1	1.00				1.00	
13-2	19	19.00	11.50		7.00		0.50
17-1	12	12.00		8.75	0.50		2.75
17-2	21	21.00	19.00				2.00
17-3	48	48.00		13.25	31.00		3.75
17-4	1	1.00	0.50				0.50
19-1	44	42.50	39.50				3.00
19-2	41	41.00	36.75				4.25
23-1	13	13.00	11.50				1.50
23-4	9	9.00	3.00		5.00		1.00
23-5	11	11.00	9.25				1.75
25-1	25	22.25	20.75				1.50
25-2	9	9.50	5.00	0.50	2.00		2.00
25-3	4	4.00	3.50				0.50
25-4	11	11.25	6.00	4.25			1.00
25-5	8	8.00	7.50				0.50
26-1	30	30.00	12.00	2.25	11.50		4.25
31-2	14	14.50	9.00	2.75	1.00		1.75
34-1	5	5.00	4.50				0.50
34-2	5	5.00	4.50				0.50
34-3	23	23.00	20.50				2.50
7.0 RS	1	1.00				1.00	
9.2 RS	1	1.00				1.00	
11.0 RS	14	14.00				14.00	
17.0 RS	1	1.00				1.00	
18.1 RS	1	1.00				1.00	
22.0 RS	11	11.00				11.00	
23.0 RS	1	1.00				1.00	
25.1 RS	4	4.00				4.00	
34.0 RS	1	1.00				1.00	
TOTAL	**598**	**593**	**363.5**	**56**	**76**	**37**	**60.5**

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LEGEND

UNIT	UNIT ACRES	SLASH DISPOSAL TREAMENT PRESCRIPTION	TREATMENT AREA DESCRIPTION
1-2	19	HPC-HPB/LS	HAND PILE CABLE PORTION 200 FT. FROM THE 39-5-6.0 RD. LOP & SCATTER REST OF UNIT.
3-1	27	HPC-HPB/LS	HAND PILE 200 FT FROM ALL ROADS. LOP & SCATTER REST OF UNIT.
3-3	57	MPC-MPB/HPC-HPB/LS	MACHINE PILE NORTHERN GB PORTION OF UNIT 200 FT. FROM THE 39-5-6.0 & 39-6-2.2 RD & MACHINE PILE ABOVE AND AROUND TR 03-03B. HAND PILE 200 FT. ABOVE THE 39-6-2.2 RD IN CABLE PORTION. LOP & SCATTER REST OF UNIT.
3-3 ROW	1	PC-PB	COVER AND BURN ROADSIDE PILES.
7-1	7	MPC-MPB	MACHINE PILE WHOLE UNIT.
9-3	14	LS	LOP & SCATTER WHOLE UNIT.
11-1	14	LS	LOP & SCATTER WHOLE UNIT.
12-1	14	HPC-HPB/LS	HAND PILE 200 FT FROM THE 39-5-6.0 RD. LOP & SCATTER REST OF UNIT.
12-2	23	LS	LOP & SCATTER WHOLE UNIT OUTSIDE OF SKIP.
12-3	9	LS	LOP & SCATTER WHOLE UNIT OUTSIDE OF SKIP.
12-5	24	MPC-MPB/HPC-HPB/LS	MACHINE PILE ABOVE AND AROUND TR 12-05. HAND PILE BETWEEN THE 39-5-6.0 RD. & THE 39-6-12.2 RD & 200 FT. ABOVE THE 39-5-6.0 RD. LOP & SCATTER REST OF UNIT OUTSIDE OF SKIP.
12-5 ROW	1	PC-PB	COVER AND BURN ROADSIDE PILES.
13-2	19	MPC-MPB/LS	MACHINE PILE 200 FT. FROM THE 39-5-18.1 RD. LOP & SCATTER REST OF UNIT.
17-1	12	MPC-MPB/HPC-HPB	MACHINE PILE GB PORTION OF UNIT. HAND PILE CABLE PORTION OF UNIT.
17-2	21	LS	LOP & SCATTER WHOLE UNIT.
17-3	48	MPC-MPB/HPC-HPB	MACHINE PILE GB PORTIONS OF UNIT. HAND PILE CABLE PORTIONS OF UNIT.
17-4	1	LS	LOP & SCATTER WHOLE UNIT.
19-1	44	LS	LOP & SCATTER WHOLE UNIT OUTSIDE OF SKIP.
19-2	41	LS	LOP & SCATTER WHOLE UNIT.
23-1	13	LS	LOP & SCATTER WHOLE UNIT.
23-4	9	MPC-MPB/LS	MACHINE PILE SOUTHERN GB PORTION BETWEEN THE 39-6-11.0 RD. LOP & SCATTER REST OF UNIT.
23-5	11	LS	LOP & SCATTER WHOLE UNIT.
25-1	25	LS	LOP & SCATTER WHOLE UNIT OUTSIDE OF SKIP.
25-2	9	MPC-MPB/HPC-HPB/LS	MACHINE PILE GB PORTIONS 200 FT FROM THE 39-5-18.1 RD. HAND PILE CABLE PORTION 200 FT FROM THE 29-5-18.1 RD. LOP & SCATTER REST OF UNIT.
25-3	4	LS	LOP & SCATTER WHOLE UNIT.
25-4	11	HPC-HPB/LS	HAND PILE 200 FT FROM THE 39-5-18.1 RD. LOP & SCATTER REST OF UNIT.
25-5	8	LS	LOP & SCATTER WHOLE UNIT.
26-1	30	MPC-MPB/HPC-HPB/LS	MACHINE PILE GB PORTIONS OF UNIT. HAND PILE CABLE PORTION BELOW TR 26-01B. LOP & SCATTER REST OF UNIT.
31-2	14	MPC-MPB/HPC-HPB/LS	MACHINE PILE GB PORTION 200FT FROM ALL ROADS. HAND PILE CABLE PORTIONS 200 FT FROM ALL ROADS. LOP & SCATTER REST OF UNIT.
34-1	5	LS	LOP & SCATTER WHOLE UNIT.
34-2	5	LS	LOP & SCATTER WHOLE UNIT.
34-3	23	LS	LOP & SCATTER WHOLE UNIT.
7.0 RS	1	PC-PB	COVER AND BURN ROADSIDE PILES.
9.2 RS	1	PC-PB	COVER AND BURN ROADSIDE PILES.
11.0 RS	14	PC-PB	COVER AND BURN ROADSIDE PILES.
17.0 RS	1	PC-PB	COVER AND BURN ROADSIDE PILES.
18.1 RS	1	PC-PB	COVER AND BURN ROADSIDE PILES.
22.0 RS	11	PC-PB	COVER AND BURN ROADSIDE PILES.
23.0 RS	1	PC-PB	COVER AND BURN ROADSIDE PILES.
25.1 RS	4	PC-PB	COVER AND BURN ROADSIDE PILES.
34.0 RS	1	PC-PB	COVER AND BURN ROADSIDE PILES.
TOTAL	**598**		

0 1,000 2,000 Feet

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