



**REQUEST FOR PROPOSALS
FOR THE
INDIAN CREEK SEDIMENT REDUCTION PROJECT
PARKER CREEK COMPONENT**

ADMINISTERED BY
Redwood Forest Foundation/Usal Redwood Forest Company

PROPOSAL DEADLINE: Friday, August 28, 2026, 4:00 p.m.

MANDATORY SITE VISIT: Wednesday, August 19, 2026, 9:00 am

Site visit meeting location: WRP gate pull-off on Highway 1, mile marker 100.2,
approximately 6.0 miles southwest of the intersection of Hwy 1 and 101 in
Leggett, CA

PROJECT LOCATION:
Usal Redwood Forest

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Section 1. General Information

1.1 Purpose and Location

Redwood Forest Foundation, (RFF) is a 501(c)(3) charitable organization with a mission to bring together diverse interests to protect and restore redwood forests and streams, while building community around smart, healthy, and resilient lands. Redwood Forest Foundation (RFF) is the parent company for Usal Redwood Forest Company (URFC), the land stewards that conduct all forest management work within Usal Redwood Forest.

RFF/URFC is currently seeking rural road construction firm(s) with relevant road construction management experience for sediment reduction to assist us with the “Indian Creek Sediment Reduction Project – *Parker Creek Component*.”

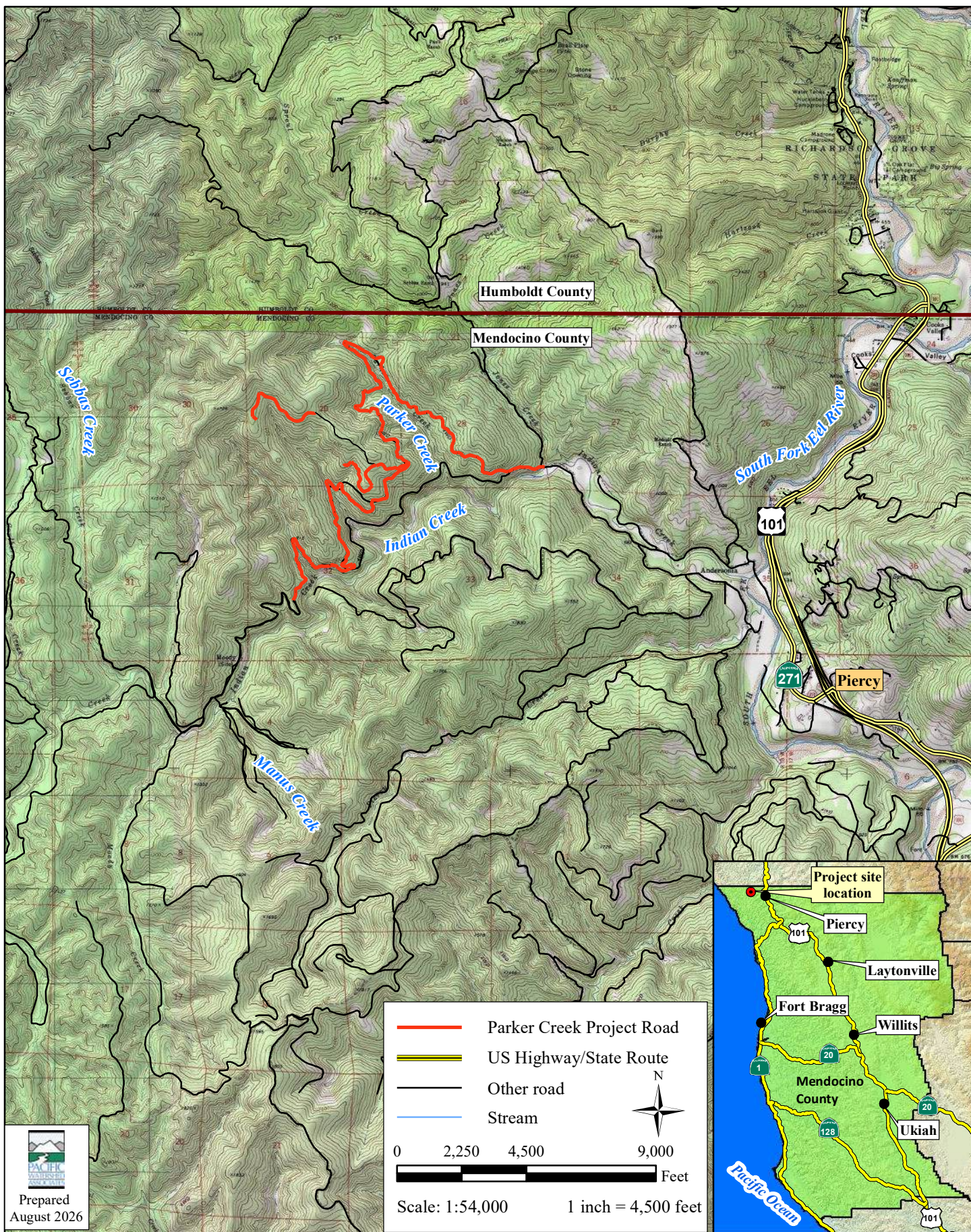
The goal of this Project is to upgrade rural timber roads to decrease fine-grained sediment generation and deliver to watercourses in a tributary to an important Coho Recovery watershed, Indian Creek. This project is funded by the California Department of Transportation (Caltrans) through State of California State Highway Account (SHA) Right of Way Funds administered by the North Coast Regional Water Quality Control Board and the State Water Quality Control Board, collectively referred to as the water boards. The purpose of this solicitation is for heavy equipment stream crossing upgrading, road drainage installation, and road surfacing implementation within the Usal Redwood Forest portion of the project, hereinafter referred to as the Project.

The Project, approximately 7.4 road miles, is located within the Parker Creek, Camp Eight Creek, and Four Mile Creek watersheds which are tributaries to Indian Creek which is a tributary to the South Fork Eel River. The Project implementation work will occur on three road segments within the three watersheds although the vast majority of work is located on a single road alignment. There are approximately 53 individual project sites and treatments include, but may not be limited to, culvert replacement and/or installation, landslide excavation and slope stabilization, spring flow management via rolling dip and ditch relief culvert installation, road drainage feature installation, rock armor placement, and road surfacing.

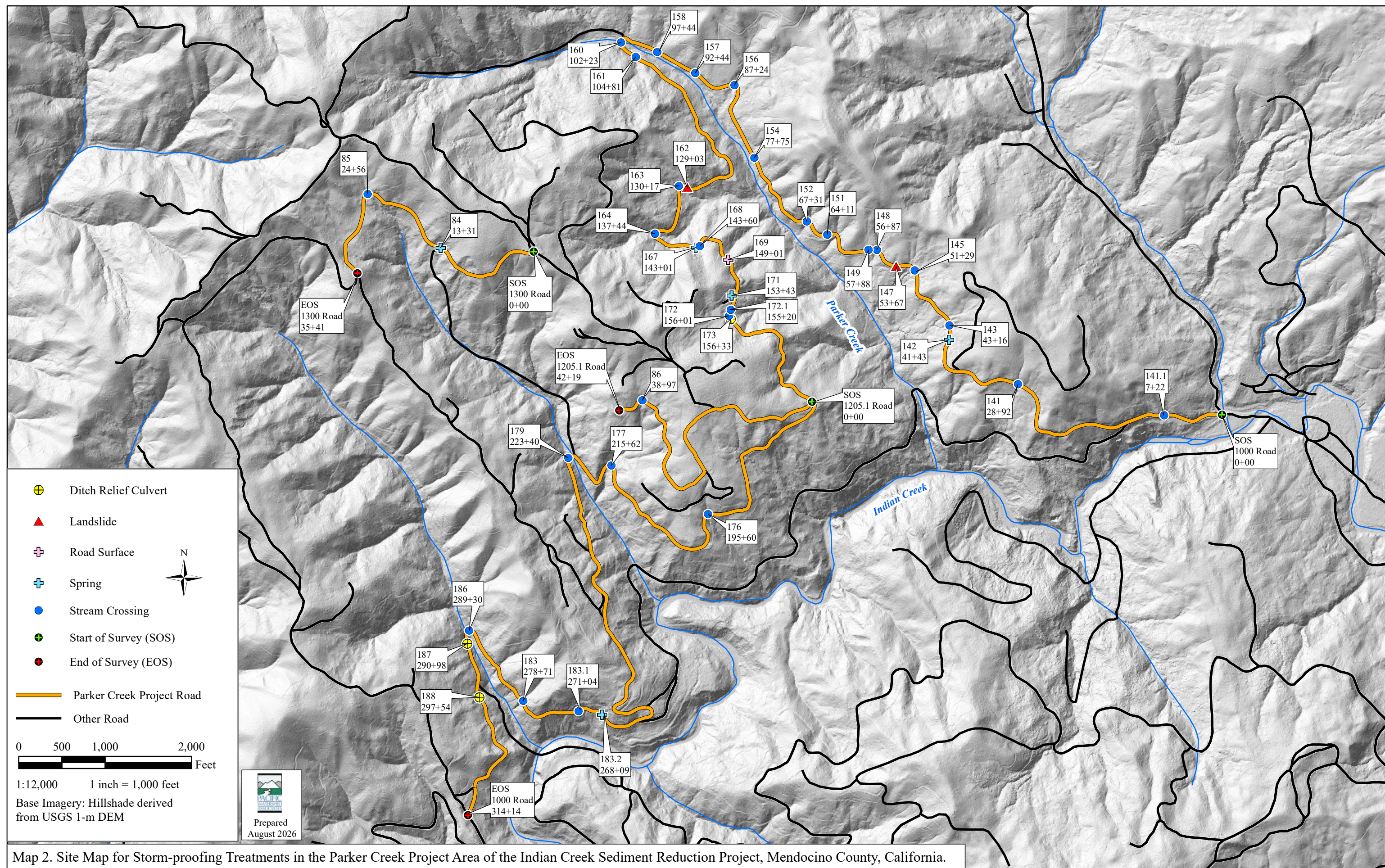
The center point of the project reach is 39.985707°, -123.850324°.

The information contained herein characterizes the Project goals and the Scope of Work. Redwood Forest Foundation and Usal Redwood Forest Company intend to procure construction services through the selection of the most highly qualified rural road construction professionals as outlined in the selection criteria included in this RFP.

The anticipated operation period for all forest work is: September 8, 2026 to October 31, 2027.



Map 1. Location Map for Storm-proofing Treatments in the Parker Creek Project Area of the Indian Creek Sediment Reduction Project, Mendocino County, California.



1.2 Project Description

This bid package is for all road upgrade implementation work within the Parker Creek Component of the Indian Creek Sediment Reduction Project. The Redwood Forest Foundation, Inc (RFF) proposes to conduct road storm proofing upgrading treatments at approximately 38 existing and potential road-related erosion and sediment delivery sites along approximately 7.4 miles of road within the Parker Creek, Camp Eight Creek, and Four Mile Creek watersheds, tributaries to Indian Creek, tributary to the South Fork Eel River. All proposed roads are located on Usal Redwood Forest owned by RFF and are utilized for timber and property management access.

Pacific Watershed Associates, Inc. (PWA) conducted the initial road erosion assessment in 2013 on all roads managed by RFF within the Indian Creek watershed; and developed a prioritized treatment plan for the 416 sites identified and recommended for treatment. Data from this assessment was used to develop the scope and budget for this Caltrans implementation project.

Redwood Forest Foundation is seeking a qualified rural road construction firm to implement road upgrade treatments for fine-grained sediment reduction on **7.4 miles of rural road** within the Indian Creek watershed in Usal Redwood Forest.

All bids are due by 4:00 pm on August 28, 2026.

Scope of Work: Parker Creek Component

The Parker Creek Component of the Indian Creek Sediment Reduction Project proposes to treat approximately 38 road-related erosion sites with the potential to deliver sediment to the stream system along 7.4 miles of rural road. Treatment of the 38 sites will result in the reduction of approximately 6,257 yd³ of site-specific erosion and sediment delivery at stream crossings, landslides, and road drainage site locations, and approximately 1,097 yd³ of road surface erosion from hydrologically connected roads. All storm proofing implementation work will follow best management practices as outlined in the Handbook of Forest, Ranch, and Rural Roads (Weaver, et al. 2015), Part X of the California Salmonid Stream Habitat Restoration Manual (Weaver, et al., 2006) and Designing Watercourse Crossings for Passage of 100- Year Flood Flows, Wood, and Sediment (Updated 2017; Cafferata, et al.).

The implementation project will be conducted between 2026 and 2027, with contracting between RFF and the heavy equipment contractor expected to occur after contractor selection through the competitive bid process.

Once a heavy equipment contractor has been selected and contracting has been established, permits will be obtained and provided to the heavy equipment contractor prior to heavy equipment operations. In addition, all environmental surveys required by CEQA and any other necessary biological surveys providing clearance for heavy equipment activities have been completed for 2026 and will be conducted in 2027 prior to equipment work, as required by the California Department of Fish and Wildlife (CDFW) and other State and Federal agencies.

On-the-ground heavy equipment and labor implementation activities for the Parker Creek Component will occur over two dry weather seasons in 2026 and 2027, with actual start dates dependent on

permit status and weather conditions, as well as existing biological restrictions, such as the presence of nesting birds and other sensitive species. It is anticipated that implementation activities will occur between September 1st and October 31st in 2026 and June 15th and October 31st in 2027.

The RFF Project Manager and Business Manager will be responsible for contracting and invoicing and the RFF Project Manager will ensure all entities follow projected schedule of work for the duration of the project. The RFF wildlife biologist will conduct NSO surveys and support other wildlife assessments for the project as needed for clearance of road construction implementation. RFF forest manager and forestry technician will provide additional support in the field to assist with access, monitoring and communication with all parties involved for the duration of the project. Pacific Watershed Associates (PWA) will provide heavy equipment oversight and, in conjunction with the RFF Project Manager and other qualified RFF field staff, review and approve completed work provided it meets design specifications and regulatory requirements.

Maximum total Road Implementation cost for the Parker Creek Component: \$503,000

Section 2. Proposal Requirements and Scoring

2.1 Mandatory Site Visit

A mandatory pre-proposal site visit will be held on **Wednesday, August 19, 2026, 9:00 am**. The site visit meeting location is the WRP Road gate pull-off on Highway 1 (39.854464, -123.763664), mile marker 100.2, approximately 6.0 miles southwest of the intersection of Hwy 1 and 101 in Leggett, CA. If driving from the coast, the site is approximately 36 miles north of Fort Bragg, CA. This site visit will be the only opportunity to see the site with URFC foresters, Project Manager, and PWA staff before bid estimates are due. Bid submittals from heavy equipment contractors that do not attend the mandatory site visit will not be considered. A contractor sign in sheet will be provided at the beginning of the field tour. Due to the large scope of work, travel time to the project area from the Highway 1 WRP Road gate, and that a portion of the roads are not accessible by truck, the tour will focus on accessible representative sites as time permits. If contractors have two or four person all-terrain vehicles they can bring and available space can accommodate all on the site visit more project sites can be reviewed. Prepare for a long day in summer weather with some hiking. Bring food, water, and hiking boots. Carpooling is encouraged from just inside the Highway 1 WRP Road gate as much as possible, and through the project area as vehicle spaces permit. The tour will review as many of the Parker Creek Component treatment sites as needed to provide heavy equipment contractors with a comprehensive idea of what the entire project scope entails.

2.2 Bid Submittal Due Date

RFF/URFC invites qualified firms that employ rural road construction techniques for sediment

reduction to submit proposals electronically with the subject heading “Indian Creek Sediment Reduction Project – Parker Creek Component” by **Friday, August 28, 2026, 4:00 pm.**

Inquiries regarding the project and bid package can be submitted via email to **Karen Youngblood** (karen@rffi.org) and **Steve Severi** (steve@redwoodforests.org) on or before the close of business on **August 25, 2026**. Questions will be answered by email only. RFF/URFC Forestry Program staff will respond to all technical questions within one business day of receipt.

Email submittals to:

Karen Youngblood, RFF/URFC - Project Manager: karen@rffi.org

Steve Severi, RFF/URFC - Area Forester: steve@redwoodforests.org

2.3 Anticipated Project Timeline

This three-year project was awarded funding from CalTrans in coordination with the water boards in July, 2025. Expected project implementation will start **September 8, 2026** and it is anticipated that implementation activities will occur between September 8st and October 31st in 2026 and June 15th and October 31st in 2027. All work must be completed prior to the end of the 2027 construction season. Due to the shorter project term, starting and completing a significant portion of work in the 2026 construction season will be required. Provided all required permits and environmental surveys are completed and the heavy equipment contractor is available and ready to begin construction implementation may begin sooner than the anticipated September 1st start date. Implementation timing in the vicinity of any Northern Spotted Owl (NSO) territories may be delayed until July 10th of each year dependent on occurrence of NSO in the vicinity as determined by bird surveys performed in the spring of each year. The RFF Project Manager will notify the heavy equipment contractor as soon as possible in the event any NSO restrictions may affect implementation work. Work timeline restrictions may also occur because of environmental and/or fire hazard conditions.

Anticipated timeline for this project is: September 8, 2026 to October 31, 2027.

2.4 License and Registration Requirements

CONTRACTORS shall possess the following valid license issued by the State of California at the time the bid is submitted and the contract is awarded.

1) Rural Road Construction:

- Class “A” or
- C12 or
- LTO

2.5 Submittal Requirements

All proposals shall include the following signed documents in the following order:

- 1) Proposal with cost for complete scope of work
- 2) Proposal schedule for complete scope of work
- 3) Letters of Reference (maximum of three)
- 4) List of Subcontractors (if any)
- 5) List of heavy equipment and other equipment and materials anticipated to complete the scope of work
- 6) Statement of Qualifications (SOQ) - A narrative of up to five pages discussing contractor experience on projects of similar scope and complexity considering treatment implementation, construction management, existing conditions, qualifications, and social and environmental factors delineated in the RFP. The ability to ensure 10% payment retention and insurance qualifications should be addressed.

For the **Project Team**, please provide the following information for each key position, Project Manager, Project Superintendent, Lead Foreman, and Quality Control Manager (descriptions below):

- Name
- Relevant licensing and/or registration
- Length of employment with firm
- Years of experience performing similar work
- Rural road construction experience in similar forested and mountainous terrain

Project Manager: Responsible for the overall construction, quality management, and contract administration for the project. This person will have full responsibility for the execution of the work, act as a single point of contact and have authority to bind Contractor on all matters relating to the Project.

Lead Foreman: Responsible for daily coordination and supervision of construction work, ensuring safety and quality standards.

B) Additional Information to consider regarding your bid proposal:

- Proposals received after the due date and time may be rejected as non-responsive.
- A proposal may be rejected if conditional or incomplete.
- A proposal will be rejected if the heavy equipment contractor or their authorized representative does not attend the mandatory walkthrough site visit and sign the contractor sign in sheet.

- Costs for developing proposals and preparation of award of the Agreement are entirely the responsibility of the PROPOSER and shall not be chargeable to RFF/URFC.
- Proposals shall be signed by an individual who is authorized to bind the proposing firm contractually. The signature must indicate the title or position that the individual holds in the firm. An unsigned proposal shall be rejected.
- A proposer may withdraw a proposal by submitting a written request (via email) for its withdrawal to RFF/URFC, signed by the PROPOSER or an authorized agent. PROPOSER may thereafter submit a new proposal before the proposal submission deadline.
- RFF/URFC may modify the RFP prior to the date fixed for submission of proposals by the issuance of an addendum to all parties who received a proposal package. PROPOSERS who received the addendum(s) must include confirmation that the addendum was received in their proposal packet.
- To the furthest extent permitted by law, the RFF/URFC reserves the right to reject any and all proposals.
- Proposers are cautioned to not rely on the RFF/URFC during the evaluation to discover and report to the proposer any defects and errors in the proposer's submitted documents. PROPOSER should carefully proofread their documents for errors and adherence to the Request for Proposals requirements before submission.
- **This project is a public works project and contractors are required to register with the Department of Industrial Relations (DIR) and pay prevailing wage. Please provide DIR number to RFF/URFC prior to commencement of work.**

2.6 Selection Process

1. The award of the contract will be to the PROPOSER who most closely demonstrates adherence to the criteria set by RFF/URFC Procurement Policy, attached herein. Under this policy, RFF/URFC will award credit to local firms, defined as firms within 100 miles of the project and firms who commit to use local workers, living within 100 miles of the project, firms demonstrating good environmental management practices along with cost effectiveness, experience, proven ability to perform the work and firms RFF/URFC concludes are best able to complete the project, while being able to perform the work at a competitive cost and within a diligent timeline.
2. Proposals that contain false or misleading information or provide references that do not support an attribute or condition claimed by the proposer may be rejected. If, in the opinion of RFF/URFC, information was intended to mislead the RFF/URFC in its evaluation of the proposal, and the attribute, condition, or capability is a requirement of this RFP, it will be the basis for rejection of the proposal.

3. At the time of proposal opening, each proposal will be checked for the presence or absence of required information in conformance with the submission requirements of this RFP.
4. RFF/URFC reserves the right to request semi-finalists give an oral presentation to discuss their qualifications and to answer questions before final selections are made.

2.7 Evaluation Criteria

RFF/URFC will evaluate each proposal to determine the proposer's qualifications. For this Project the following evaluation criteria will be considered:

1. Economic - Budget (40%)

RFF/URFC seeks the lowest cost proposal that has a realistic and achievable budget without burden to either party in conjunction with the other criteria.

2. Experience, Capacity to Perform the Project, and Past Performance (30%)

RFF/URFC requires evidence that the CONTRACTOR has the ability and capacity to successfully perform the Scope of Work. RFF/URFC will examine whether the firms have done similar work before, how well they have performed that work, and whether they have the required machinery, equipment, tools, materials, training, or other capacity-building materials to successfully complete this project. RFF/URFC considers each firm's performance records to help ensure that taxpayer dollars go to reliable and capable CONTRACTORS. Small and/or new firms without relevant experience or past performance history are encouraged to seek subcontracting opportunities by working with a more established CONTRACTOR, including a formal mentor-protégé role. RFF/URFC will also evaluate the proposers' plans for each treatment unit.

3. Social, Environmental, and Community Benefit (30%)

Proposals that include a local CONTRACTOR who employs local residents (including local Tribal members), is an important consideration for this work. Firms and employees who live within 100 miles of the Project are considered "local" for this RFP. In addition, RFF/URFC values and prioritizes sustainable environmental practices, so consideration of the firm's impact on the natural resources throughout the Project is important, such as limiting greenhouse gas emissions by not traveling long distances to perform the work, avoiding the spread of invasive plant species, and taking steps to protect the broader ecosystems within which the Project will be executed.

Larger companies are encouraged to include formal mentor-protégé roles with smaller or local start-up entities familiar with the project area.

Section 3. Conditions and Permits

3.1 Disposition of Proposals

1. All documents submitted in response to this RFP will become the property of RFF/URFC and may be returned only at the proposer's expense.
2. Upon proposal opening, all documents submitted in response to this RFP will become the property of RFF/URFC.

3.2 Standard Conditions of Services

1. RFF/URFC is inviting proposals from California Licensed Tree Services CONTRACTORS and CAL FIRE Licensed Timber Operators to provide equipment and laborers to perform project tasks. RFF/URFC is also inviting proposals from certified CA Burn Bosses or tribally approved Cultural Burners to provide oversight, burn plans, burn crews and insurance. The tasks are briefly described in Section 1.1 Purpose and Description of Services, and in more detail in Section 4 - "PROJECT SCOPE OF WORK".
2. Work on this Project shall not commence until the Contract Agreement for Services between the RFF/URFC and CONTRACTOR is fully executed and insurance is provided. If the CONTRACTOR fails to commence work within fifteen (15) calendar days of the Notice to Proceed, RFF/URFC reserves the right to terminate the Agreement for Services with CONTRACTOR.
3. All performance under the Agreement for Services shall be completed on or before the termination date of the Agreement unless this Agreement is amended by the RFF/URFC to extend the term. Unreasonable delays by CONTRACTOR to begin the project or to diligently prosecute the Scope of Work shall be cause for the RFF/URFC to cancel the contract and engage the second ranked proposer in the project. RFF/URFC expects work to be completed expeditiously and without delay.
4. No oral understanding or agreement shall be binding on either party.
5. CONTRACTOR shall possess an active license of the appropriate classification:
Class A or C-12 or LTO
6. This CONTRACT is subject to California non-discrimination compliance requirements pursuant to Government Code, Section 12990. RFF/URFC hereby notifies all proposers that it will affirmatively ensure that any contract entered into pursuant to this advertisement, that disadvantaged business enterprises will be afforded full opportunity to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for a contract award.

Note: This project is a public works project and contractors are required to register with the Department of Industrial Relations (DIR) and pay prevailing wage.

3.4 Permits

RFF/URFC will obtain and pay for all permits and associated fees required to implement the project. Contractor must retain copies of all permits on site and will cooperate with and provide notifications to all government agencies with jurisdiction over the Project, as may be required by RFF/URFC. The following permits and CEQA pathway for this project:

- Mendocino County Mitigated Negative Declaration - MND
- Lake or Streambed Alteration Agreement (LSAA 1602) for instream work including culvert replacement and rock armor placement.

Northern Spotted Owl surveys and nesting bird surveys may be required and conducted prior to the start of work for some portions of the project area.

3.5 Certificates of Insurance

The selected applicant(s) agree to furnish to RFF/URFC, before commencing the work, the certificates of insurance as specified in Appendix A. The landowner (Usal Redwood Forest Company) and project owner (Redwood Forest Foundation) should be listed as additionally insured.

3.6 Payment Retention

From payments that would otherwise become payable to Consultant, Company will deduct for a guarantee fund, the sum of ten percent (10%) per payment due Consultant. Such fund will be used by Company, in its absolute discretion, to pay for or perform any obligation of Consultant under this Agreement that is not performed by Consultant. If Consultant enters into an immediate subsequent Agreement with Company after the expiration or termination of this Agreement, then this guarantee fund may be transferred to the new Agreement. In such event it will be in effect for past and present obligations under the original and the transferee Agreement. Provided, however, that nothing herein will be deemed a waiver by Company of the right to offset amounts owed to Contractor from the fund against any amounts owed by Consultant to Company for any reason whatsoever. When Company is assured all Consultant's obligations hereunder, or any transferee Agreement or other obligation, have been paid or performed, the amount then remaining in guarantee fund will be paid to Contractor without interest.

3.7 Rights Reserved

RFF/URFC will not reimburse the respondents to this request for any costs involved in the preparation and submission of the proposal or travel to participate in the site visit.

This Request for Proposals does not obligate RFF/URFC to contract for any services expressed or implied. RFF/URFC reserves the right to:

1. Request any firm submitting a response to clarify its response;
2. Modify or alter any of the requirements herein (in the event of such modification, all respondents will be given an equal opportunity to modify their responses in the specific areas impacted);

3. Reject any or all proposals, waive irregularities in any proposal and reissue this or a modified RFP; and,
4. Negotiate a contract with the selected firm (s).

3.8 Award and Execution of Contract

The award of the CONTRACT will go to the most qualified proposer based upon the evaluation criteria defined throughout the RFP.

A selection of preferred contractor will be made within five (5) calendar days after the opening of the PROPOSALS.

The executed documents shall be delivered to:

karen@rffi.org
steve@redwoodforests.org

Section 4. Project Scope of Work

4.1 Purpose

The Parker Creek Component of the Indian Creek Sediment Reduction Project proposes to treat approximately 38 road-related erosion sites with the potential to deliver sediment to the stream system along 7.4 miles of rural road. Treatment of the 38 sites will result in the reduction of approximately 6,257 yd³ of site-specific erosion and sediment delivery at stream crossings, landslides, and road drainage site locations, and approximately 1,097 yd³ of road surface erosion from hydrologically connected roads. All storm proofing implementation work will follow best management practices as outlined in the Handbook of Forest, Ranch, and Rural Roads (Weaver, et al. 2015), Part X of the California Salmonid Stream Habitat Restoration Manual (Weaver, et al., 2006) and Designing Watercourse Crossings for Passage of 100- Year Flood Flows, Wood, and Sediment (Updated 2017; Cafferata, et al.).

The implementation project will be conducted between 2026 and 2027, with contracting between RFF and the heavy equipment contractor expected to occur after contractor selection through the competitive bid process.

Once a heavy equipment contractor has been selected and contracting has been established, permits will be obtained and provided to the heavy equipment contractor prior to heavy equipment operations. In addition, all environmental surveys required by CEQA and any other necessary biological surveys providing clearance for heavy equipment activities will be conducted as required by the California Department of Fish and Wildlife (CDFW) and other State and Federal agencies.

On-the-ground heavy equipment and labor implementation activities for the Parker Creek Component will occur over two dry weather seasons in 2026 and 2027, with actual start dates dependent on permit status and weather conditions, as well as existing biological restrictions, such as the presence of nesting birds and other sensitive species. It is anticipated that implementation activities will occur between September 1st and October 31st in 2026 and June 15th and October 31st in 2027.

The RFF Project Manager and Business Manager will be responsible for contracting and invoicing and the RFF Project Manager will ensure all entities follow projected schedule of work for the duration of the project. The RFF wildlife biologist will conduct NSO surveys and support other wildlife assessments for the project as needed for clearance of road construction implementation. RFF forest manager and forestry technician will provide additional support in the field to assist with access, monitoring and communication with all parties involved for the duration of the project. Pacific Watershed Associates (PWA) will provide heavy equipment oversight and, in conjunction with the RFF Project Manager and other qualified RFF field staff, review and approve of completed work provided it meets design specifications and regulatory requirements.

The goals and objectives of this project are to storm-proof roads in the Parker Creek Project Area to reduce fine-grained sediment generation and delivery to the stream network, improve hillslope hydrology and road drainage, and reduce maintenance work and costs which will allow reallocation of

financial resources and time to other areas of the road network not included or treated in this project.

This road improvement and sediment reduction project includes the following erosion control and prevention treatments:

- 1) Replace thirteen (13) undersized, poorly installed, or worn-out stream crossing culverts.
- 2) Install six (6) stream crossing culverts at non-culverted stream crossing locations.
- 3) Install six (6) armored fillslope stream crossings.
- 4) Install eight (8) ditch relief culverts, three with downspouts, to hydrologically disconnect road approaches from streams and improve road surface drainage.
- 5) Use a total of 925 yd³ of coarse angular riprap to protect fillslopes and construct armored fillslope crossings.
- 6) Install forty-one (41) rolling dips to hydrologically disconnect road approaches from streams and improve road surface drainage.
- 7) Reconstruct one (1) critical dip at a stream crossing with no other prescribed upgrade work such as culvert replacement.
- 8) Outslope 100 ft of road.
- 9) Inslope 450 ft of road.
- 10) Clean/cut inboard ditch along 1,270 ft of road.
- 11) Remove berm along 89 ft of road.
- 12) Re-surface roads with approximately 961 yd³ of road rock post road treatment implementation.

This road improvement and sediment reduction project will require the equipment listed in the table below. The CONTRACTOR will be allowed to substitute similar equipment for those specified but only if that equipment can efficiently perform the work at the Project site. Hourly rental rates must include: a fueled and properly lubricated, fully functional, and leak-free piece of heavy equipment with a prevailing wage scale operator experienced in steep and confined mountainous terrain for road upgrading activities. The hourly rental rate per piece of heavy equipment must also include any other administrative and overhead costs. The hourly billable rate for each piece of equipment is the only quote required. CONTRACTOR will be responsible for removal from the site and proper disposal at an approved waste disposal facility, including disposal costs, of waste generated from upgrade activities such as culverts, couplers, etc. Tally your total cost and provide the **total contractor proposal**.

Item	Type of heavy equipment	Estimated hours	Rental rate	Cost (\$)
1	Excavator	609	\$ /hr	
2	Dozer	660	\$ /hr	
3	Water truck	137	\$ /hr	
4	Dump truck	23	\$ /hr	
5	Truck/trailer	163	\$ /hr	
6	Roller	91	\$ /hr	
7	Grader	1	\$ /hr	
8	Pilot car	18	\$ /hr	
9	Lowboy	72	\$ /hr	
10	Labor	456	\$ /hr	
11	Miscellaneous		-	
Total Contractor Proposal			\$	

APPENDIX

A. General Services Agreement (example)

B. Parker Creek Project Area Road Logs

GENERAL SERVICES AGREEMENT**COMPANY:**

Usal Redwood Forest Company, LLC
90 West Redwood Avenue
Fort Bragg, CA 95437

Attn: Linwood Gill
Phone: (707) 409-5144
Cell: (707) 357-0324
Email: linwood@rffi.org

CONTRACTOR:

[Name]
Address
City, State Zip]

Attn:
Phone:
Fax:
Email:

This General Services Agreement (“**Agreement**”) is between **Usal Redwood Forest Company, LLC**, (“**Company**”) and **[Name]** (“**Contractor**”).

AGREEMENT

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are both hereby agreed upon and acknowledged by Company and Contractor (each, a “**Party**,” and collectively, the “**Parties**”), the Parties agree as follows:

1. Contract Area. Contractor will perform the Services (as defined below) on the real property described on Exhibit A to this Agreement (“**Contract Area**”). Company reserves the right to add or delete areas from the Contract Area in its absolute discretion.

2. Services. Contractor will perform the services described on Exhibit B to this Agreement (the “**Services**”). Contractor's performance of the Services will conform in all respects with the specifications in set forth on Exhibit B. Contractor will perform the Services in a diligent and workmanlike manner, including compliance with all applicable laws and regulations, consistent with best industry practices.

3. Term. Contractor will begin work on or after [Date], and, unless otherwise agreed in writing by Company, must fully complete the Services by no later than [Date] (the “**Term**”).

4. Compensation.

4.1 As full compensation for performance of the terms, covenants and provisions of this Agreement (including but not limited to the furnishing of all equipment, supplies and labor necessary in connection with the Services), Company will pay Contractor in accordance with the rates set forth on Exhibit C.

4.2 From payments which would otherwise become payable to Contractor, Company will deduct for a guarantee fund the sum of Ten percent (10%) per payment until a total fund of Forty-Five Hundred Dollars and No Cents (\$4,500.00) has accrued (“**Guarantee Fund**”). Should all or a portion of the Guarantee Fund be applied by Company prior to the time Contractor has been paid in full, said percentage deduction will be re-instituted until such time as the Guarantee Fund has again reached the minimum limit specified in this Section 4.2. Company may use the Guarantee Fund, in its sole discretion, to pay for or perform any obligation of Contractor under this Agreement that is not performed by Contractor. If Contractor enters into an immediate subsequent agreement with Company, then this Guarantee Fund will be credited to Contractor under the terms of the new agreement. In such event, the Guarantee Fund will be in effect for past and present contract obligations under the original and any subsequent agreements. Nothing in this Agreement will be deemed a waiver by Company of the right to offset amounts owed to Contractor from the Guarantee Fund against any amounts owed by Contractor to Company for any reason whatsoever. When Contractor satisfies all of its obligations under this Agreement (and all subsequent agreements between Company and Contractor), any amount remaining in the Guarantee Fund will be paid to Contractor without interest.

4.3 For a period of one (1) year following the Term, Company and its auditors and other authorized representatives, at all reasonable times, will have access to and will have the right to inspect and audit, all of Contractor's records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to compensation and other payments received by Contractor from Company on a time and materials or other cost-reimbursable basis relating to the Services.

5. Inspection of Premises and Work. Company will have the right from time to time to inspect Contractor's work to determine whether Contractor is performing the Services in a timely fashion and in accordance with the specifications set forth on Exhibit B. Company will be the sole judge of Contractor's compliance with the referenced specifications.

6. Labor, Equipment, Materials and Permits. Contractor, at no cost to Company unless agreed upon in writing by Company, will provide and pay for all labor, fuel, equipment materials and supplies necessary to perform the Project. Contractor will obtain and pay for all permits required for the Project and will comply with all laws and regulations governing the Project, including (without limitation) all Environmental Laws (defined below). Immediately upon the execution of this Agreement, Contractor will provide Company with evidence of compliance with all federal and state licensing requirements applicable to Contractor in connection with the Project.

7. Services Warranty.

7.1 Contractor warrants and represents to Company that the Project will (i) reflect Contractor's best professional judgment and actions, based on the information available to Contractor at the time the Project services are performed, (ii) be performed by qualified personnel in a workmanlike and professional manner, (iii) be performed in accordance with the highest workmanlike standards practiced in Contractor's industry and (iv) be subject to the terms and conditions set forth in this Agreement. Contractor will promptly correct any non-conforming or defective services associated with Project at no additional cost to Company. Contractor will remove all excess material, tools and debris brought on to the Contract Area by Contractor, its servants, employees, sub-contractors or assigns, and leave the Contract Area in a clean and orderly condition satisfactory to Company at the expiration or earlier termination of this Agreement.

7.2 In the event Contractor hires migrant and seasonal workers, Contractor will provide Company with a copy of Contractor's certificate of registration issued by the United States Department of Labor showing that Contractor is authorized to perform the type of work being contracted. If Contractor claims to be exempt from the requirements of the Migrant and Seasonal Agricultural Worker's Protection Act, a letter to that effect must be given to Company prior to commencing the Services.

7.3 Contractor warrants that with respect to terms and conditions of employment, including but not limited to hiring, promotions, wages, hours, and fringe benefits, Contractor will not discriminate against any person on the basis of race, physical or mental handicap, creed, religion, sex, or national origin.

8. Compliance with Laws.

8.1 Contractor and its subcontractors will comply with all state, federal, and local laws, rules, and regulations applicable to the operations contemplated by this Agreement, including (without limitation) Environmental Law and all policies of the Company pertaining to environmental protection and pollution, workers' compensation, OSHA, and the Company's safety policies, or any additional Company safety policies which may be distributed from time to time. Contractor will provide its employees with all training required by OSHA and any applicable state or local government agencies. Contractor and all subcontractors operating in the Contract Area shall provide their employees with personal protective equipment necessary for them to perform their services hereunder in a safe and efficient manner. Contractor will immediately remedy any unsafe working condition within the Contract Area observed by Company, Contractor or subcontractors and will require all employees and subcontractors to stop work in any unsafe area until such condition ceases to exist. Contractor will notify Company if an unsafe working condition may cause a significant delay to the Project. Contractor will ensure that its

subcontractors understand and specifically agree to comply with this Section 8 (and all other sections of this Agreement, which apply to them). Contractor will inform the Company by telephone immediately if there is an injury or death to one of Contractor's employees (or employees of any subcontractor) or damage to property that occurs under the performance of this Agreement. Contractor also agrees to use the form attached hereto as Exhibit 8.1 to inform the Company about the relevant facts underlying an injury to person or property that occurs under the performance of this Agreement, with the completed form (if applicable) to be delivered to Company within twenty four (24) hours after the occurrence. Contractor's disclosure to Company via a phone call and disclosure to Company via the form hereby attached, as Exhibit 8.1 does not relieve Contractor of any required legal notifications to federal, state or local authorities. The notification to Company referenced herein is merely for Company's benefit only and Company is not responsible for legal notification to federal, state or local authorities.

9. Fire Prevention. Contractor will exercise the highest degree of care to prevent and suppress fire, and will notify Company immediately of any fire on, or that may come upon or threaten any real property owned by Company (“Premises”). Contractor will comply with all relevant federal, state and local laws and regulations and reasonable requirements of Company with respect to fire prevention and control, including but not limited to provision of an adequate fire-fighting tool for each of Contractor's employees. Contractor will suspend operations when, in the absolute discretion of Company or federal or state forestry officials, operations pose an extreme threat of fire on the Premises.

10. Ingress and Egress. During the Term, Contractor will have a non-exclusive right of ingress and egress to and over those portions of the Premises necessary to perform the Services. Contractor acknowledges that Company is involved in commercial timberland operations, and that travel on roads necessary to perform the Services may be hazardous.

11. Indemnification. Contractor agrees to protect, save, indemnify, defend and hold harmless Company and its authorized agent, officers, directors, employees, owners, successors and assigns, and their respective representatives, affiliates, agents, successors and assigns, from and against any and all claims, demands, fines, damages, losses, obligations, liabilities, costs and expenses caused by or arising in part or in whole from the activities of the Contractor on the Contract Area or any other Company Property, including activities of their employees, agents, subcontractors, contractors, representatives, consultants or invitees. This indemnity shall be deemed for all intents and purposes to cover any claims, demands, fines, damages, losses, obligations, liabilities, costs and expenses caused by any violation of applicable laws whatsoever by Contractor, including (without limitation) all Environmental Law. This indemnity shall additionally survive any expiration or early termination of this Agreement.

12. Force Majeure. Company and Contractor will be free from any liability to one another for delays in delivery or failure to perform due to the failure, fault, or bankruptcy of a third party, acts of God, acts of default of any carrier, acts of any governmental authority, suspension of any shipping facility, wars, riots, revolutions, acts of terrorism, strikes and other labor disputes, port congestion, fires, floods, perils of the sea, sabotage, nuclear incidents, earthquakes, storms, epidemics, or any other contingency of any similar nature beyond the control of either Party. The foregoing will apply even though any of such causes exist as of the date of this Agreement or occur after performance is delayed for other causes.

13. Environmental Laws.

13.1 Definitions. The following words and phrases will have the meanings set forth below:

a. “Environmental Claim” means any and all administrative, regulatory or judicial actions, suits, demands, demand letters, claims, liens, notices of noncompliance or violation, investigations or proceedings arising under any Environmental Law or arising under any permit issued under any Environmental Law, including without limitation (i) any and all claims made by governmental authorities for enforcement, cleanup, attorneys' fees, response costs, removal, remedial or corrective actions, damages, fines or penalties pursuant to any applicable Environmental Law, including claims resulting in any judicial or administrative order, consent decree or judgment; and (ii) any and all claims by any third party seeking damages, attorneys'

fees, contribution, indemnification, cost recovery, compensation or injunctive relief under any Environmental Law or for any alleged injury or threat of injury to the Environment, safety or health.

b. “Environmental Law” means any applicable statute, law, rule, regulation, ordinance or code relating to the protection of the environment, sensitive, threatened and endangered species, public safety or health, forest practices or the regulation of hazardous materials. Such term will also include any new Environmental Laws or amendments to pre-existing Environmental Laws, becoming effective after the commencement of this Agreement.

c. “Environment” means the surface water (including stream courses, lakes and reservoirs), ground water, drinking water supply, land surface (including stream banks) or subsurface strata and air.

13.2 Contractor's Obligation to Provide Notice. If Contractor violates any Environmental Law, an Environmental Claim arises against Contractor, Company, the Contract Area or Premises that results from Contractor's activities in connection with the Services, or any other event occurs during Contractor's performance of the Project that results in or threatens to result in damage to persons, property, fish, wildlife, or the Environment, Contractor will notify Company by telephone and facsimile within twenty-four (24) hours and in writing within two (2) days after Contractor first receives notice of such event and will provide Company with a written statement of the relevant facts related to such event.

13.3 Contractor's Agreement to Comply with Environmental Laws. Contractor will comply with all applicable Environmental Laws. Without the prior written consent of Company, Contractor will not bring any hazardous materials (except necessary blasting materials) onto the Premises or generate hazardous waste on the Premises. When permits, licenses or generator or transporter identification numbers are required by an Environmental Law, Contractor will provide Company a copy of such permit, license, or generator or transporter identification number within seven (7) days of receipt by Contractor.

13.4 Storage, Use, Handling and Disposal of Hazardous Wastes. In the event Contractor has occasion or need to dispose of hazardous or toxic substances or wastes, unless otherwise agreed in writing, Contractor will retain an independent hazardous waste disposal firm to dispose of any and all such substances at an off-site facility which has been properly approved, licensed and authorized to accept such substances. Contractor will ensure that the disposal firm is properly licensed and in good standing with the applicable regulatory authorities for such work, and that it has all required transporter identification numbers.

13.5 Spill Prevention and Preparedness. At all times during the use of heavy machinery and/or equipment on the Contract Area, Contractor will make every effort to prevent leaks and spills of oil, petroleum products and other hazardous materials through proper handling and storage of these materials, and the routine maintenance, service and repair of any such machinery or equipment. In addition, Contractor shall ensure that the appropriate containers, tools and materials, or spill kits, are available on-site to contain and clean up any such spills or leaks.

13.6 Spill or Release of Hazardous Materials. In the event of a spill or release of oil, other petroleum products or any other hazardous materials by Contractor on the Contract Area or any other Company Property, Contractor will (a) immediately notify Company of such spill or release and (b) promptly comply with all federal, state and local spill notification and response requirements, including, but not limited to, all federal, and local state health and safety requirements. The Contractor will at a minimum: (1) prevent further spilling or release; (2) take appropriate corrective actions to mitigate the spill; and (3) notify Company as required herein. Contractor's obligations with respect to any such spill or release is not limited to those described in this Section 13.6. Pursuant to Section 11 above, Contractor will pay all costs, expenses, penalties, and damages associated with any cleanup, restoration, or mitigation related to such spill or release.

14. Laws and Regulations. Contractor warrants and represents to Company as follows:

14.1 Contractor will provide the Services in compliance with all requirements of the Fair Labor Standards Act of 1938, as amended, and will so state such compliance on each invoice covering the Services;

14.2 Contractor will comply with all applicable laws rules and regulations of federal, state and local governments and agencies thereof, including but not limited to Executive Order 11246 (Equal Employment Opportunity), Executive Order 11458 (Minority Business Enterprise), Public Law 93-112, § 503 (Rehabilitation Act of 1973), Public Law 93-508, § 402 (the Vietnam Era Veterans Readjustment Act of 1974) and Public Law 95-507, § 211 (Contract Opportunities for Certain Small Business Concerns), and all rules;

14.3 Contractor will comply with the applicable federal standards prescribed by the Occupational Safety and Health Act of 1970;

14.4 All chemical substances and products containing chemical substances will comply with the applicable federal standards prescribed by the Toxic Substances Control Act and regulations promulgated thereunder, and regulations passed pursuant thereto which are incorporated into this Agreement by this reference, unless this Agreement is exempt pursuant to said Executive Orders or Acts and regulations issued thereunder; and

14.5 Contractor will comply with the Migratory and Seasonal Agricultural Worker Protection Act, as applicable, including but not limited to all registration, payment, record keeping, safety, and posting requirements.

15. Liens and Encumbrances.

15.1 Contractor will pay as due all charges that could result in or create liens or encumbrances or claims arising out of or connected with the Services. If such liens, encumbrances or claims are or in Company's reasonable belief may be, asserted against Company's land, timber, or logs, Company may withhold the estimated amount thereof from any sums due Contractor or pay such sums to the Court and deduct the amount from any payments due Contractor, or may require Contractor to furnish a bond sufficient to satisfy said lien or encumbrance.

15.2 If, in the opinion of Company, the financial position of Contractor is such that Contractor may not be able to meet its obligations, Company may, in its absolute discretion, require Contractor to secure a sufficient bond or Company may withhold an amount sufficient to meet Contractor's payroll and payroll taxes and withholdings.

15.3 Contractor will pay all costs, expenses and attorney fees incurred by Company as a result of any claim, lien or encumbrance made, suffered or done by Contractor.

15.4 Contractor waives and releases any and all liens, claims of lien and rights to lien that Contractor might obtain under the lien statutes of the State against: (i) logs, timbers and wood products on, or harvested from, the Premises; (ii) the Premises; and (iii) any roads or improvements thereon on account of any or all of the following: this Agreement or the agreed price or the reasonable value of all labor, materials, transportation, services or equipment furnished or rented, in the performance of this Agreement. Contractor must obtain an identical lien waiver from all of its subcontractors.

15.5 Contractor's waiver and release of any and all liens, claims of lien and rights to lien is a material inducement for Company to enter this Agreement, and Company would not enter this Agreement in the absence of such waiver and release.

15.6 Contractor expressly represents and warrants that it is solvent and able to pay all of its obligations in the regular course of its business, including those that are contingent or not matured. The insolvency of Contractor will be a material breach of this Agreement giving Company the right to immediately terminate this Agreement and other agreements between Company and Contractor and exercise all rights and remedies in the event of breach and termination of this Agreement.

16. Relationship of Parties.

16.1 Independent Contractor. Contractor is an independent contractor of Company. Under no circumstances will Contractor be deemed to be an employee of Company. Company has no right to control the manner or means by which Contractor performs the Services. Company is interested only in the results obtained by Contractor, and

the method and manner of the Services will be determined exclusively by Contractor, except as otherwise set forth herein.

16.2 No Agency Relationship. Either the execution, delivery, or performance of this Agreement will be construed to constitute either Party as an agent or representative of the other Party for any purpose. Neither the execution, delivery, nor performance of this Agreement will be deemed to establish a joint venture or partnership between the Parties. Neither Party has the authority to (i) bind the other Party by or to any contract, representation, understanding, act or deed, (ii) represent to any third party that either Party is an agent of the other Party, or (iii) represent to any third party that either Party is responsible for the acts or omissions of the other Party.

17. Security for Performance. 1. Contractor will deliver to Company a performance bond and a payment bond written by an insurance company acceptable to Company each in the amount of \$ 0.00 as security for performance and payment by Contractor of its obligations under this Agreement (“**Security Bonds**”). 2. In lieu of the Security Bonds, Company, in its sole discretion, may withhold the sum of \$4,500.00 from each payment due Contractor (“**Security Fund**”). Company will pay Contractor the Security Fund upon Contractor's satisfactory completion of all of its performance and payment obligations set forth in this Agreement. The Security Fund will be in addition to the Guarantee Fund described in Section 4.2.

18. Insurance.

18.1 Before commencing any activities under this Agreement, Contractor will, at its own expense, secure a policy or policies of insurance, and during the term of this Agreement, maintain such insurance in a form satisfactory to Company and insured with companies maintaining an A.M. Best's rating of A-VII or better, insuring against liabilities growing out of Contractor's operations, and the operations of its employees, agents, subcontractors, or other persons acting for or on behalf of the Contractor, including, but not limited to the following:

Automobiles

Bodily Injury	-	\$1,000,000 Each
Property Damage	-	\$1,000,000 Each Occurrence
	-	

Commercial General liability

Bodily Injury	-	\$1,000,000 Each Occurrence
	-	\$1,000,000 Aggregate
Property Damage	-	\$1,000,000 Each Occurrence
	-	\$1,000,000 Aggregate

Or

Combined Single Limits	-	\$1,000,000 Each Occurrence
		\$1,000,000 Aggregate

Other

Logger's Broad Form Property Damage	-	\$1,000,000 Each Occurrence
(Form B - "Non-Negligent")	-	\$1,000,000 Aggregate

18.2 Commercial general liability insurance will include, but not be limited to coverage for: ongoing operations and completed operations; independent contractors; blanket contractual liability (including liability assumed under the indemnification paragraph of this Agreement); explosion; collapse; and underground damage if blasting or excavation work is to be done; and automobile liability insurance covering owned, hired and non-owned

vehicles (auto coverage is to include “broadened auto pollution coverage” - ISO Form CA 99 48). Property damage coverage will include the Logger's Broad Form Property Damage, Form B - Non-Negligent Endorsement insuring Contractor's timber care, custody and control legal liability. All policies referenced in this Section 18 will by endorsement **Usal Redwood Forest Company, LLC** as additional insureds with respect to the performance of this Agreement. The Aggregate limits will be specific to this Agreement.

In lieu of per project aggregate, contractor may secure Umbrella Liability with minimum limits of \$1,000,000 Each Occurrence and \$1,000,000 in the Aggregate. The coverages will be primary, exclusive of any coverage carried by Company, and will be exhausted first notwithstanding that Company may have other valid and collectible insurance covering the same risk. Nothing herein contained will limit the Contractor's liability to Company to the scope or the amount of the insurance coverage obtained.

18.3 Contractor will also carry state or private industrial accident insurance covering Contractor and all its employees that must fully comply with State and Federal Employment and Workers' Compensation laws.

18.4 Contractor will carry Employer's liability insurance covering Contractors and all of its employees having limits of \$1,000,000.

18.5 Should Contractor select not to include the owner(s), partners and/or executive officers of such operation in that coverage, in consideration for Company accepting such coverage, Contractor further represents and warrants that (a) Contractor is an independent Company and each owner, partner and/or executive officer of Company is not an employee(s) of Company, and has no right to claim any benefits, including workers compensation benefits, under any Company plan, policy, or coverage; and (b) Contractor acknowledges that (s)he may purchase a Worker's Compensation plan, insurance or otherwise, insuring any of the owners, partners and/or executive officers but has elected NOT to do so as allowed by law and assume all risks as a result of this decision.

18.6 Prior to commencing the Services, Contractor will deliver to Company certificates from Contractor's insurance carrier evidencing the coverages outlined in this Section 18.6. Such certificates must provide on their face that the issuing insurer shall provide prior written notice to Company of the termination of any policies represented. Certificates must be mailed to Company at the address listed in above.

19. Termination without Cause. Company may terminate this Agreement at any time upon twenty four (24) hours' notice to Contractor. Company's only liability for termination without cause will be payment to Contractor for work accomplished prior to the termination date, less any previous payments made or amount of claims of Company against Contractor.

20. Default by Contractor.

20.1 If Contractor fails, refuses, or neglects to perform any of its obligations under this Agreement, or otherwise breaches or defaults in performance of this Agreement, then Company may give Contractor notice of such default, and if such default is not cured by Contractor within forty-eight (48) hours of the date of such notice, or if such default is not reasonably subject to a full cure within such forty-eight (48) hours, if Contractor does not commence to cure within said forty-eight (48) hours and does not diligently pursue such to completion, regarding damages suffered, Company may elect to pursue anyone or more of the following remedies, which remedies are cumulative and not exclusive:

- a. Immediately terminate this Contract;
- b. Deduct and retain from any amounts due Contractor, the amount of all losses and damages suffered “heretofore or in the future” to disclaim any intention that suffered referred only to damages already incurred by Company as a result of Contractor's default;
- c. Pay to any third Party, including any governmental entities, from amounts due Contractor, any amount owing to said third Party by Contractor, which arose out of or resulted from Contractor's performance of the Services; and
- d. Pursue any and all other remedies available in law or equity for Contractor's breach of this Agreement.

20.2 The remedies provided in this Section 20 are cumulative and in addition to any other remedies to which Company is entitled in the case of a breach or threatened breach of this Agreement, whether provided in law or in equity.

20.3 Upon and during any default by Contractor in the performance of its obligations under this Agreement or any other agreement between Contractor and Company and notwithstanding any time allowed for Contractor to cure such default, Company may (a) withhold payment of any sums that may be due and payable to Contractor; and (b) require Contractor to immediately cease operations on the Contract Area.

21. Default by Company.

21.1 If Company fails, refuses, or neglects to perform any of its obligations under this Agreement, or otherwise breaches or defaults in performance of this Agreement, Contractor may give Company notice of such default, and if such default is not cured by Company within ten (10) days of the date of such notice or if such default is not reasonably curable within ten (10) days, Contractor may elect to terminate this Agreement, remove its employees and equipment from the Contract Area, and pursue such other remedies as are available in law or equity for Company's breach of this Agreement.

21.2 In the event of a breach of this Agreement by Company, Contractor's exclusive remedy will be limited to actual and direct damages resulting directly from Company's breach. Company will not be liable for any indirect, incidental, punitive, consequential, or speculative damages, whether in contract or tort.

22. Removal of Equipment. Upon the expiration of the Term or the earlier termination of this Agreement, including but not limited to termination resulting from breach or default by either Party, Contractor will remove its personnel and equipment, including structures or building from the Contract Area. This removal will be accomplished at Contractor's expense within ten (10) days after the expiration of the Term or the earlier termination of this Agreement.

23. Waiver. No waiver will be binding on a Party unless it is in writing and signed by the Party making the waiver. A Party's waiver of a breach of a provision of this Agreement will not be a waiver of any other provision or a waiver of a subsequent breach of the same provision.

24. Successors and Assigns - Assignment. This Agreement will be binding on the Parties and their respective heirs, personal representatives, successors, and permitted assigns, and will inure to their benefit. Contractor may not assign or delegate any of Contractor's rights or obligations under this Agreement to any person without the prior written consent of Company, which Company may withhold in Company's sole and absolute discretion. An assignment includes but is not limited to a transfer or encumbrance - or series of related transfers or encumbrances - of 50% or more of the shares or other ownership interests of a Party, regardless of whether the transfer or encumbrance occurs voluntarily or involuntarily, by operation of law, or because of any act or occurrence. If Company consents to the assignment or delegation of all or any part of Contractor's obligations under this Agreement, Contractor will remain liable for performance by the permitted assignees or delegates according to the terms and conditions of this Agreement.

25. Time of Essence. Time is of the essence with respect to all dates and time periods in this Agreement. If Contractor, in Company's reasonable opinion, fails to make sufficient progress in performance of the work to allow Contractor to timely complete its obligations under this Agreement, or should Contractor, by its actions or inaction or statements indicate or threaten, or place itself in a condition such that it will not be able to complete all of its obligations under this Agreement in a timely manner, then Company may immediately terminate this Agreement.

26. Venue, Expert and Attorney Fees.

26.1 In the event any arbitration, action, suit or legal proceeding is instituted by either Party to this Agreement, venue will be set in Mendocino County, California; the Prevailing Party will be entitled to recover from

the losing Party both reasonable attorney fees and reasonable expert witness fees as determined by the court or arbitration panel, both at trial and on appeal or review and in bankruptcy, whether or not the matter in dispute involves an issue peculiar to federal bankruptcy law. Attorney fees and expert witness fees will be in addition to other costs and disbursements allowed by law. **“Prevailing Party”** will be determined by the arbitrator, or any court, as the true Prevailing Party (not statutorily Prevailing Party) after taking into consideration any settlement offers made by the Parties and the number and importance of issues to be determined.

26.2 If Company becomes involved in litigation (as a plaintiff, defendant, or cross-claimant or cross-defendant) by reason of any debt incurred by Contractor, any alleged personal or bodily injury or property damage related to Contractor or Contractor's conduct related to this Agreement, or any matter for which Contractor has an indemnity obligation hereunder, then Contractor agrees to fully defend Company, using lawyers chosen by Company in its sole and absolute discretion, upon Company tendering its legal defense to Contractor. Should Contractor refuse the tender of defense, then Contractor will be liable to Company for all its costs and fees incurred in connection with such litigation.

27. Choice of Law. This Agreement is governed by the laws of the State of California, without giving effect to any conflict-of-law principle of any jurisdiction. Contractor and Company represent that they are legally organized entities authorized to enter into this Agreement and that their representative executing this agreement is duly authorized to bind the entity to the terms of this Agreement without further approvals.

28. Survival of Covenants. The covenants and obligations of Contractor will continue until such time as all work of Contractor, including equipment removal, has been completed and will survive to cover any expense, liability or claim of liability arising out of the acts, omissions or performance of this Agreement by Contractor. The terms Contractor and Company will and do include and extend to the heirs, representatives, successors and assigns of the Parties hereto.

29. Notice. Any notice or other communication required or permitted by this Agreement, must be in writing and must be delivered to the Parties at the addresses set forth below, or any other address that a Party may designate by notice to the other Parties. Notices are considered delivered upon actual receipt if delivered personally or by an overnight delivery service or by certified or registered mail, with postage prepaid, and such service will be accomplished at the end of the third business day after the date of deposit of said notice in the United States mail.

To: Company
Usal Redwood Forest Company, LLC
90 West Redwood Avenue
Fort Bragg, CA 95437

To: Contractor
[Name
Address
City, State Zip]

30. Severability. If a provision of this Agreement is determined to be unenforceable in any respect, the enforceability of the provision in any other respect and of the remaining provisions of this Agreement will not be impaired. If subsequent to the date of this Agreement valid state or federal laws or regulations governing the relationship between Company and Contractor take effect, this Agreement will be considered to incorporate such laws or regulations so long as they will be effective, and any provision of this Agreement in conflict therewith will during such period be void.

31. Construction of Agreement. Section headings in this Agreement are for convenience only, and will not be considered a part of this Agreement or used in its interpretation. If one of more of the provisions hereof are ruled invalid, it will not impair the enforceability of the remainder of this Agreement.

32. Signatures. This Agreement may be signed in counterparts. A fax or .pdf electronic transmission of a signature page will be considered an original signature page. At the request of a Party, the other Party will confirm a fax-transmitted or .pdf electronically-transmitted signature page by delivering an original signature page to the requesting Party.

33. Amendment. This Agreement may be amended only by a written document signed by both Parties.

34. Further Assurances. The Parties will sign other documents and take other actions reasonably necessary to further effect and evidence this Agreement

35. Termination. The termination of this Agreement, regardless of how it occurs, will not relieve a Party of obligations that have accrued before the termination.

36. Attachments. Any exhibits, schedules, and other attachments referenced in this Agreement are part of this Agreement.

37. Notification to Contractor. Streams and other waterways located on the Premises are inhabited by species of salmon and steelhead that are listed as threatened or endangered under the Endangered Species Act, 16 USC 1531 et. seq. ("ESA"). Under the ESA, it is unlawful to harass, and/or harm.

(Signature Page to Follow)

38. Final Agreement. This Agreement contains the entire understanding of the Parties regarding the subject matter of this Agreement and supersedes all prior and contemporaneous negotiations and agreements, whether written or oral, between the Parties with respect to the subject matter of this Agreement. IN WITNESS WHEREOF, the Parties hereto have executed this General Service Agreement as of the day and year first above written.

COMPANY:

Usal Redwood Forest Company, LLC

Signature: _____

Name: Linwood Gill

Title: Chief Forester

CONSULTANT:

[Name]

Signature: _____

Name: _____

Title: _____

Attachments:

- Exhibit A - Contract Area
- Exhibit B - Services
- Exhibit C - Compensation
- Exhibit 8.1 - Contractor Safety Repot

Exhibit A
Contract Areas



EXHIBIT B

Services

To provide support property wide as directed by Company Representative(s).

CONTRACTOR shall:

1. When CONTRACTOR enters the property all gates shall be left in the position they are in upon CONTRACTOR'S arrival (gates closed shall be left closed, gates open shall be left open).
2. Submit bills that clearly delineate time and expenses.
3. The CONTRACTOR'S activities including vehicle travel shall not result in erosion problems (e.g. breeching waterbars, generating ruts or gullies) by driving on un-surfaced THP access roads when "soft" or saturated. CONTRACTOR shall maintain all existing waterbreaks and rolling dips in a functional working condition on roads used by the CONTRACTOR.
4. CONTRACTOR shall not remove any wood products (including firewood) from COMPANY land without prior written approval of COMPANY.
5. All motorized passenger vehicles (cars, vans, pickups, etc.) used by the CONTRACTOR on COMPANY land shall be equipped with a fire extinguisher, shovel, (48" handle minimum) and an axe regardless of the time of year).
6. The COMPANY representative for this contract is, **Linwood Gill**; Phone number (707) 357-0324 (cell) or (707) 961-0377 (office).

EXHIBIT C
Compensation

Consultant shall be paid in accordance with the following rates:

Insert your rates

Work Not To Exceed \$ without written modification to this agreement.

1. Invoices not supplied to Company within 15 days of the end of the billing cycle (defined as the last day of the calendar month in which the work was performed) will be subject to a ten percent (10%) reduction in payment.
2. Strict requirements apply to year-end invoices. If the term of this agreement goes to or through the end of the year then the following provisions apply:
 - Work completed in November shall be invoiced by December 11th, 20xx.
 - Work completed in December shall be invoiced by December 28 20xx. Invoices not submitted by this date shall be subject to a thirty percent (30%) reduction in payment.
3. Travel is only paid **ONE WAY**, time and mileage
4. The CONTRACTOR will ensure the integrity of the existing gate system by nightly locking the gates at the end of EACH workday, time to be determined by COMPANY representative. A **\$200 fine** per incident will be levied against the CONTRACTOR for failure to comply, at the sole discretion of the COMPANY representative. In cases where multiple CONTRACTORS' share an access gate, all CONTRACTORS may be fined. As an alternative, a COMPANY representative may direct the CONTRACTOR, to supply a gate guard during normal work hours to ensure compliance.
5. COMPANY will charge CONTRACTOR for each lost or stolen gate key according to the following rates:
 - Regular Key - \$300.00 minimum
 - Damaged keys shall be returned.
 - Damaged keys not returned shall be treated as lost.

EXHIBIT 8.1
***CONTRACTOR SAFETY REPORT**
***When required by Contract -see Section 8.1**

Date of Accident:	Time of Accident:
Employer's Business Name:	Employer's - Owner's Name:
Location of Accident or Damage to Property and General Description of Event:	
The Injured Person	
Name:	Injury:
Worker's Compensation Coverage Policy #	Will Claim be made: ☐ YES ☐ NO ☐ UNKNOWN
OSHA Contacted: ☐ YES ☐ NO	
Contact at OSHA:	
Damage to Property	
Owner's Name:	Owner's Phone Number:
Owner's Address:	License No. of Vehicle (if vehicle involved)
What Damage was done:	
Was a police report turned in? ☐ YES ☐ NO	
Form Completed by:	Date:

Indian Creek Sediment Reduction Project Parker Creek Component

Road Logs of Proposed Treatments

CONSTRUCTION NOTES

- Onsite flagged locations are more accurate than station distances and should be used for site-specific treatment locations.
- Minor limbing or road widening efforts will be necessary to allow heavy equipment access at the access pinch point locations unless otherwise noted.
- Construction of RDs and all other road shaping, including at stream crossings and DRC installation sites, must ensure no high points or other features will cause ponding or otherwise interfere with drainage through the culvert and/or off the driving surface and outboard roadbed.
- TOP and BOT flags are the upstream and downstream extent of site excavation, not necessarily culvert inlet or outlet locations.
- The excavation trench will be in a straight-line profile from the TOP flag to the BOT flag. If trees or other items are within the excavation trench alignment, they are planned to be removed unless otherwise noted.
- Culverts will be installed at the uniform channel gradient established after excavation between the TOP and BOT flags.
- Proper compaction of backfill along the lower portions/corners of the culvert is extremely important, especially at the culvert inlet, to prevent piping and undermining of the culvert.
- Compaction along the lower portion of the culvert must be done by hand labor (tamping rod) using small lifts and backfill must be cleaned of woody debris and large rocks, and moisture conditioned.
- The channel upstream of the inlet must match the culvert width to reduce backwatering and scour at and near the inlet.
- Retain existing rock armor at treatment sites for re-use.
- Refer to PWA typical drawings for standard feature designs.
- No rock armor or mulch (straw or native slash) will be installed in the active stream channel or immediate stream banks unless specifically noted otherwise.
- Consult the PWA project manager(s) if any deviations from stated designs are considered prior to implementing changes.

Date: **August 2026**

**Implementation Road Log for the 1000 Road,
#10741 Indian Creek Sediment Reduction Project,
Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
AR = Rock armor; BOT = The downstream extent of excavation; CMP = Corrugated metal pipe; DRC = Ditch relief culvert; IBF = Inboard fillslope; IBR = Inboard edge of road; OBF = Outboard fillslope; OBR = Outboard edge of road; RD = Rolling dip; RR = Road rock; RW = Redwood; SOS = Start of survey; STA = Station; Tmnt = Treatment; TOP = The upstream extent of excavation					
0+00	SOS	-	Begin road log at intersection with the 1010 Road.	-	-
7+22	Site #141.1	Stream Crossing	1. Install an armored fill crossing with 20 yd ³ of 0.5-1.0' diameter rock. 2. Excavate drainage swale through the lower road prism to convey streamflow from armored fill crossing into natural swale downslope. 3. Lay back over steepened slopes above inlet basin and armor over steepened channel with 10 yd 0.5-1.0' diameter rock. 4. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock. 5. Install 4 rolling dips up the right road. Rock each rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	30 yd ³ 0.5-1.0' AR 60 yd ³ 1.5" base RR	-
28+92	Site #141	Stream Crossing	1. Remove the existing culvert. 2. Install an armored fill crossing with 40 yd ³ of 1.0-1.5' diameter rock armor extending down to the base of fill. 3. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	40 yd ³ 1.0-1.5' AR 20 yd ³ 1.5" base RR	-
41+43	Site #142	Spring	1. Clean/cut the inboard ditch for 110' to drain the spring flow down to Site #143. 2. Install a rolling dip that drains the roadbed only. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	10 yd ³ 1.5" base RR	-
43+16	Site #143	Stream Crossing	1. Reconstruct the critical dip on the right hinge line. 2. Install 1 rolling dip up the left road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 3. Clean/cut inboard ditch where needed for ~140' up the left road. 4. Rock road through the crossing and critical dip with 20 yd ³ of 1 1/2" diameter road rock.	30 yd ³ 1.5" base RR	-

**Implementation Road Log for the 1000 Road,
#10741 Indian Creek Sediment Reduction Project,
Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
51+29	Site #145	Stream Crossing	1. Remove the existing culvert. 2. Install an armored fill crossing with 50 yd ³ of 0.5-1.5' diameter rock armor. 3. Inslope road for 70' up the left road to convey spring runoff to armored crossing. 4. Clean/cut ditch for 100' to right. 5. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock. 6. Install 1 rolling dip up the left road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 7. Install 1 rolling dip up the right road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	50 yd ³ 0.5-1.5' AR 40 yd ³ 1.5" base RR	-
53+67	Site #147	Landslide	1. Inslope road for 100' within the margins of the landslide. 2. Construct 2 broad rolling dips at the left side of the landslide. The second dip should be installed on the lower road surface. Rock each rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	20 yd ³ 1.5" base RR	-
56+87	Site #148	Stream Crossing	1. Install a 24" diameter x 70' long culvert at base of fill and at natural grade. 2. Armor the headcut above TOP with 20 yd ³ of 0.5-1.5' diameter rock armor. 3. Armor outboard fillslope with 10 yd ³ of 0.5-1.5' diameter rock armor. 4. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	30 yd ³ 0.5-1.5' AR 20 yd ³ 1.5" base RR	24" x 70' CMP 3 couplers
57+88	Site #149	Stream Crossing	1. Excavate stream crossing from TOP to BOT with a straight line profile. 2. Define a 4' wide channel from TOP to inlet. 3. Lay back banks to 2:1 or to natural slope from TOP to inlet. 4. Replace pipe with a 24" diameter x 60' long culvert at grade with outlet at BOT. 5. Define channel and lay back banks to 2:1 below outlet/BOT for: 24' long x 3' deep x 4' wide. 6. Armor channel with 15 yd ³ of 1.0-1.5' diameter rock armor below outlet/BOT. 7. Armor the lower 3/4 of the outboard fill with 5 yd ³ of 1.0-1.5' diameter rock armor. 8. Spoil 110' up the left road at wide section. 9. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	20 yd ³ 1.0-1.5' AR 20 yd ³ 1.5" base RR	24" x 60' CMP 2 couplers

**Implementation Road Log for the 1000 Road,
#10741 Indian Creek Sediment Reduction Project,
Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
64+11	Site #151	Stream Crossing	1. Excavate the stream crossing from TOP to BOT in a straight line profile. 2. Establish a 4 ft. wide channel with 2:1 sideslopes from the TOP to the new culvert inlet. 3. Replace the culvert with a 36" diameter x 80' long culvert installed at grade and outlet at the base of the outboard fillslope. 4. Armor the outboard fillslope with 50 yd ³ 1.0-1.5' diameter rock armor. 5. Install a critical dip on the right hinge line. 6. Rock road through the crossing and critical dip with 20 yd ³ of 1 1/2" diameter road rock. 7. Install 1 rolling dip up the left road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 8. Spoil locally,	50 yd ³ 1.0-1.5' AR 30 yd ³ 1.5" base RR	36" x 80' CMP 3 couplers
67+31	Site #152	Stream Crossing	1. Excavate stream crossing from TOP to BOT in a straight line profile. Lower the road 2' and move road in 3.5' to minimize fillslope angles. 2. Install a 36" diameter x 80' long culvert at the base of fill. 3. Armor the outboard fillslope with 50 yd ³ of 1.0-1.5' diameter rock. 4. Clean out the left inboard ditch for 120' to inlet. 5. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	50 yd ³ 1.0-1.5' AR 20 yd ³ 1.5" base RR	36" x 80' CMP 3 couplers
77+75	Site #154	Stream Crossing	1. Install a 24" diameter x 50' long culvert where the stream meets the inboard ditch. 2. Transition above inlet of the new culvert installation. Armor transition with 10 yd ³ of 1.0-1.5' diameter rock. 3. Install critical dip on left hinge line. 4. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	10 yd ³ 1.0-1.5' AR 20 yd ³ 1.5" base RR	24" x 50' CMP 2 couplers

**Implementation Road Log for the 1000 Road,
#10741 Indian Creek Sediment Reduction Project,
Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
87+24	Site #156	Stream Crossing	1. Excavate crossing from TOP to BOT and excavate through aggraded valley above crossing. Spoil locally on skid road and endhaul remaining spoils. 2. Install a 54" diameter x 60' long culvert at base of fill. 3. Clean and cut the left ditch for 100' and the right ditch for 120'. Armor the cutslope and ditch with 30 yd ³ of 0.5-1.0' diameter rock armor. 4. Install a 24" diameter x 60' long DRC up left road at large boulder cutbank drainage spot. Rock the DRC with 10 yd ³ of 1 1/2" diameter road rock. 5. Rock road through crossing with 20 yd ³ of 1 1/2" diameter road rock. 6. Install one rolling dip up right road at springy section. Rock the dip at the springy section with 10 yd ³ of 1 1/2" diameter road rock. Note: use existing rock armor for ditch armoring where feasible (see size range above) and stockpile remaining rock nearby for reuse.	30 yd ³ 0.5-1.0' AR 40 yd ³ 1.5" base RR	54" x 60' CMP 2 couplers 24" x 60' DRC 2 couplers
92+44	Site #157	Stream Crossing	1. Enhance armored fill crossing by accentuating dip across road and adding additional rock armor to the lower portion of the outboard fillslope with 10 yd ³ of 0.5-1.5' diameter rock. 2. Cut the ditch for 75' up the right road to convey spring flow to crossing. 3. Rock the road through the crossing with 20 yd ³ of 1 1/2" diameter road rock. 4. Construct 1 rolling dip up the right road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	10 yd ³ 0.5-1.5' AR 30 yd ³ 1.5" base RR	-
97+44	Site #158	Stream Crossing	1. Excavate stream crossing from TOP to BOT in a straight line profile. 2. Install a 42" diameter x 50' long culvert at grade. 3. Remove left bank upstream of inlet and layback sideslopes 2:1. 4. Remove right bank downstream of outlet and layback sideslopes 2:1. 5. Armor the outboard fillslope with 20 yd ³ of 0.5-1.5' diameter rock armor. 6. Construct 1 rolling dip up the right road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 7. Construct 1 rolling dip up the left road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 8. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock. 9. Spoil locally.	20 yd ³ 0.5-1.5' AR 40 yd ³ 1.5" base RR	42" x 50' CMP 2 couplers

**Implementation Road Log for the 1000 Road,
#10741 Indian Creek Sediment Reduction Project,
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STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
102+23	Site #160	Stream Crossing	- Excavate stream crossing from TOP to BOT in a straight line profile. - Replace pipe with a 96" diameter x 60' long culvert at grade. - Aarmor the inboard fillslope with 10 yd³ of 1.0-1.5' diameter rock armor. - Aarmor the lower 1/2 of the outboard fillslope with 30 yd³ of 1.0-1.5' diameter rock armor. - Inslope right road for 150' to the right. - Clean inboard ditch for 40' to the left. Aarmor the ditch with 20 yd³ of 0.25-0.5' diameter rock. - Construct 1 rolling dip with armored spillway using 10 yd³ of 0.5' diameter rock up the right road. Rock rolling dip with 10 yd³ of 1 1/2" diameter road rock. - Rock road through the crossing with 20 yd³ of 1 1/2" diameter road rock. - Spoil locally.	70 yd³ 0.25-1.5' AR 30 yd³ 1.5" base RR	96" x 60' CMP 2 couplers
104+81	Site #161	Stream Crossing	- Shape headcut with a U-shape and create armored channel 3' wide down to the inlet using 30 yd³ of 0.5-1.0' diameter rock. - Replace pipe with a 36" diameter x 60' long culvert at grade. - Add 5 yd³ of 1.0-1.5' diameter rock below outlet. - Aarmor the lower 1/2 of the outboard fillslope with 20 yd³ of 1.0-1.5' diameter rock. - Install a critical dip on the left hinge line. - Rock road through the crossing with 20 yd³ of 1 1/2" diameter road rock.	55 yd³ 0.5-1.5' AR 20 yd³ 1.5" base RR	36" x 60' CMP 2 couplers
129+03	Site #162	Landslide	Install a rolling dip with an armored spillway leading into past landslide scar with 10 yd³ of 0.25-0.75' diameter rock armor. Rock rolling dip with 10 yd³ of 1 1/2" diameter road rock.	10 yd³ 0.25-0.75' AR 10 yd³ 1.5" base RR	-
130+17	Site #163	Stream Crossing	- Replace pipe with 48" diameter x 80' long culvert installed at base of fill, natural alignment, and natural grade. - Aarmor the outboard fillslope with 50 yd³ of 1-1.5' diameter rock. - Install a critical dip on the left hinge line. - Install 1 rolling dip down the right road with armored spillway using 20 yd³ of 0.5-1.0' rock armor leading into past diversion gully. Rock rolling dip with 10 yd³ of 1 1/2" diameter road rock. - Rock road through the crossing with 20 yd³ of 1 1/2" diameter road rock.	70 yd³ 0.5-1.5' AR 30 yd³ 1.5" base RR	48" x 80' CMP 3 couplers

**Implementation Road Log for the 1000 Road,
#10741 Indian Creek Sediment Reduction Project,
Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
137+44	Site #164	Stream Crossing	1. Excavate the stream crossing from TOP to BOT in a straight line profile. 2. Pull back the first 40' of skid road above inlet. 3. Replace the culvert with a 54" diameter x 80' long culvert. 4. Armor the inboard fillslope with 30 yd³ of 1.0-1.5' diameter rock armor. 5. Armor the lower 1/2 of the outboard fillslope with 40 yd³ of 1.0-1.5' diameter rock armor. 6. Install a critical dip on the left hinge line. 7. Construct 1 rolling dip with an armored spillway up the right road using 10 yd³ of 0.5-1.0' diameter rock. Rock rolling dip with 10 yd³ of 1 1/2" diameter road rock. 8. Rock the road through the crossing with 20 yd³ of 1 1/2" diameter road rock. 9. Install an 18" diameter x 40' long DRC with an armored spillway below outlet using 10 yd³ of 0.5-1.5' diameter rock up the right road to disconnect the spring fed ditch. Rock road at DRC with 10 yd³ of 1 1/2" diameter road rock.	90 yd³ 0.5-1.5' AR 40 yd³ 1.5" base RR	54" x 80' CMP 3 couplers 18" x 40' DRC 1 coupler
143+01	Site #167	Spring	1. Construct a broad rolling dip 50' long x 15' wide to convey spring flow across the road. 2. Install a rock armored spillway down the fillslope with 5 yd³ of 0.25-0.5' diameter rock. 3. Rock rolling dip with 10 yd³ of 1 1/2" diameter road rock.	5 yd³ 0.25-0.5' AR 10 yd³ 1.5" base RR	-
143+60	Site #168	Stream Crossing	1. Install 1 rolling dip up the right road. Rock rolling dip with 10 yd³ of 1 1/2" diameter road rock. 2. Install 1 rolling dip up the left road with a rocked spillway constructed with 15 yd³ of 0.5-1.5' diameter rock down the outboard fillslope to drain springflow. Rock rolling dip with 10 yd³ of 1 1/2" diameter road rock.	15 yd³ 0.5-1.5' AR 20 yd³ 1.5" base RR	-
149+01	Site #169	Road Surface	1. Install 10 yd³ of 0.5-1.0' diameter rock armor at the outboard fillslope of the existing rolling dip to control erosion and prevent sediment delivery. 2. Rock existing rolling dip with 10 yd³ of 1 1/2" diameter road rock.	10 yd³ 0.5-1.0' AR 10 yd³ 1.5" base RR	-
153+43	Site #171	Spring	1. Install a 24" diameter x 60' long DRC approximately 150' up the right road. Rock the DRC with 10 yd³ of 1 1/2" diameter road rock. 2. Install 2 rolling dips up right road. Rock each rolling dip with 10 yd³ of 1 1/2" diameter road rock.	30 yd³ 1.5" base RR	24" x 60' DRC 2 couplers

**Implementation Road Log for the 1000 Road,
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Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
155+20	Site #172.1	Stream Crossing	1. Install a 24" diameter x 60' long culvert with outlet at base of the outboard fillslope. 2. Install a critical dip on left hinge line. 3. Armor the outboard fillslope and outlet area of culvert with 20 yd ³ of 1.0-1.5' diameter rock. 4. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	20 yd ³ 1.0-1.5' AR 20 yd ³ 1.5" base RR	24" x 60' CMP 2 couplers
156+01	Site #172	Stream Crossing	1. Excavate stream crossing from TOP to BOT in a straight line profile. 2. Replace culvert with a 36" diameter x 60' long culvert installed at grade and at the base of fill. 3. Reconstruct the critical dip on the left hinge line. 4. Armor the outboard fillslope with 15 yd ³ of 0.5-1.5 diameter rock armor. 5. Construct 1 rolling dip up the right road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 6. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	15 yd ³ 0.5-1.5' AR 30 yd ³ 1.5" base RR	36" x 60' CMP 2 couplers
156+33	Site #173	Ditch Relief Culvert	1. Install an 18" diameter x 40' long DRC with a 20' long downspout at location of headwater swale on far right road approach. Rock the DRC with 10 yd ³ of 1 1/2" diameter road rock. 2. Install a second 18" diameter x 60' long DRC with a 20' downspout near left hinge of next broad headwater swale closer to Site #172. Rock the DRC with 10 yd ³ of 1 1/2" diameter road rock. 3. Armor headcut above road with 10 yd ³ of 0.5-1.0' diameter rock.	10 yd ³ 0.5-1.0' AR 20 yd ³ 1.5" base RR	18" x 100' DRC 18" x 40' downspouts 7 couplers 2 18" elbows
195+60	Site #176	Stream Crossing	1. Replace culvert with a 24" diameter x 60' long culvert. 2. Armor below the culvert outlet and armor left bank below new outlet to protect against future erosion with 5 yd ³ of 1.0-1.5' diameter rock. 3. Armor the lower portion of the outboard fillslope with 15 yd ³ of 1.0-1.5' diameter rock. 4. Install a critical dip on the right hinge line. 5. Install a rolling dip 85' to right to drain subtle headwater swale. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 6. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	20 yd ³ 1.0-1.5' AR 30 yd ³ 1.5" base RR	24" x 60' CMP 2 couplers

**Implementation Road Log for the 1000 Road,
#10741 Indian Creek Sediment Reduction Project,
Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
215+62	Site #177	Stream Crossing	1. Excavate over steepened banks above the culvert inlet for 20' and layback to a stable 2:1 angle. 2. Excavate stream crossing from TOP to BOT in a straight line profile. 3. Replace the existing culvert with a 54" diameter x 50' long culvert installed at grade and at the base of fill. 4. Armor base of the outboard fillslope and outlet area with 10 yd ³ of 0.5-1.5' diameter rock. 5. Armor inlet area with 5 yd ³ of 0.5-1.5' diameter rock armor. 6. Install a critical dip on the right hinge line to prevent diversion. 7. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	15 yd ³ 0.5-1.5' AR 20 yd ³ 1.5" base RR	54" x 50' CMP 2 couplers
223+40	Site #179	Stream Crossing	1. Replace existing culvert with 96" diameter x 70' long culvert set at natural channel grade. 2. Armor the inboard fillslope with 20 yd ³ of 1.0- 1.5' diameter rock. 3. Armor the outboard fillslope with 40 yd ³ 1.0-1.5' diameter rock. 4. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock. 5. Install 1 rolling dip 140' up the right road with an armored spillway constructed with 10 yd ³ of 0.5-1.0' diameter rock. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 6. Regrade the rolling dip up the left road and install 1 more rolling dip farther up the left road. Rock each rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 7. Inslope road for 130' to the right to the first rolling dip and convey ditch flow to culvert inlet. Armor ditch with 30 yd ³ of 0.5-1.0' diameter rock. 8. Clean/cut ditch for 90' up the left road.	100 yd ³ 0.5-1.5' AR 50 yd ³ 1.5" base RR	96" x 70' CMP 3 couplers
268+09	Site #183.2	Spring	1. Install a rolling dip and excavate a keyway in the outboard fillslope to create an armored spillway. 2. Armor outboard fillslope with 10 yd ³ of 0.5-1.0' diameter rock. 3. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	10 yd ³ 0.5-1.0' AR 10 yd ³ 1.5" base RR	-
271+04	Site #183.1	Stream Crossing	1. Install an armored fill crossing with 10 yd ³ of 0.5-1.0' diameter rock. 2. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock. 3. Install 1 rolling dip up the left road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	10 yd ³ 0.5-1.0' AR 30 yd ³ 1.5" base RR	-

**Implementation Road Log for the 1000 Road,
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Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
278+71	Site #183	Stream Crossing	1. Enhance the existing armored fill crossing by installing an additional 20 yd ³ of 0.5-1.5' diameter rock armor. Leave the existing rock in place and add rock to the right side of the outboard fillslope. Ensure the rocked outboard fillslope has a U shape upon rebuild to eliminate flanking potential. 2. Rock road through the crossing with 20 yd ³ of 1 1/2" diameter road rock.	20 yd ³ 0.5-1.5' AR 20 yd ³ 1.5" base RR	-
289+30	Site #186	Stream Crossing	1. Construct 1 rolling dip up the right road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 2. Construct 1 rolling dip up the left road. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	20 yd ³ 1.5" base RR	-
290+98	Site #187	Ditch Relief Culvert	1. Clean the DRC inlet. 2. Clean/cut ditch where needed up to 300' to the right. 3. Install two 18" diameter x 40' long DRCs with 20' long downspouts up the right road to disconnect inboard ditch flow. Rock each DRC with 10 yd ³ of 1 1/2" diameter road rock. 4. Install two insloped rolling dips to direct surface flow into the inboard ditch. Rock each rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	40 yd ³ 1.5" base RR	18" x 80' DRC 18" x 40' downspouts 6 couplers 2 18" elbows
297+54	Site #188	Ditch Relief Culvert	1. Clean inlet of existing DRC.	-	-
314+14	EOS	-	End road log at the intersection with the 1400 Road.	-	-

**Implementation Road Log for the 1205.1 Road,
#10741 Indian Creek Sediment Reduction Project,
Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
AR = Rock armor; BOT = The downstream extent of excavation; CMP = Corrugated metal pipe; DRC = Ditch relief culvert; IBF = Inboard fillslope; IBR = Inboard edge of road; OBF = Outboard fillslope; OBR = Outboard edge of road; RD = Rolling dip; RR = Road rock; RW = Redwood; SOS = Start of survey; STA = Station; Tmnt = Treatment; TOP = The upstream extent of excavation					
0+00	SOS	-	Begin road log at intersection with the 1000 Road.	-	-
38+97	Site #86	Stream Crossing	1. Replace pipe with a 30" diameter x 70' long culvert at base of fill, ensure outlet of culvert is at grade. 2. Install a single post trash rack. 3. Construct 5 rolling dips, type 3, up the left road approach. Rock each rolling dip with 10 yd ³ of 1 1/2" diameter road rock. 4. Install an 18" diameter x 40' long ditch relief culvert to drain the spring 40' left of the crossing. Rock the DRC with 10 yd ³ of 1 1/2" diameter road rock. 5. Armor lower 1/2 outboard fill with 10 yd ³ of 0.5-1.5' diameter rock. 6. Rock road through the crossing and critical dip with 20 yd ³ of 1 1/2" diameter road rock.	10 yd ³ 0.5-1.5' AR 80 yd ³ 1.5" base RR	30" x 70' CMP 3 couplers 18" x 40' DRC 1 coupler
42+19	EOS	-	End road log at approximately 322' right of Site #86.	-	-

**Implementation Road Log for the 1300 Road,
#10741 Indian Creek Sediment Reduction Project,
Parker Creek Component**

STA	Site #	Site Type	Comments/Treatment	Rock Needs	Materials Needs
AR = Rock armor; BOT = The downstream extent of excavation; CMP = Corrugated metal pipe; DRC = Ditch relief culvert; IBF = Inboard fillslope; IBR = Inboard edge of road; OBF = Outboard fillslope; OBR = Outboard edge of road; RD = Rolling dip; RR = Road rock; RW = Redwood; SOS = Start of survey; STA = Station; Tmnt = Treatment; TOP = The upstream extent of excavation					
0+00	SOS	-	Begin road log at intersection with the 1200 Road.	-	-
13+31	Site #84	Spring	1. Construct a broad rolling dip. Rock rolling dip with 10 yd ³ of 1 1/2" diameter road rock.	10 yd ³ 1.5" base RR	-
24+56	Site #85	Stream Crossing	1. Excavate crossing from TOP to BOT. 2. Install a 36" diameter x 60' long CMP at base of fill. 3. Remove 75' of outboard berm to the right of the crossing and outslope right road for 100'. 4. Spoil locally below the road. 5. Rock road through crossing with 20 yd ³ of 1 1/2" diameter road rock.	20 yd ³ 1.5" base RR	36" x 60' CMP 2 couplers
35+41	EOS	-	End road log at approximately 1,085' right of Site #85.	-	-