

Meadow Creek State Land 2012 Fuels Reduction Project

Purpose:

The project has several primary objectives:

- Decrease hazardous fuels
- Increase overall forest health
- Increase forest resistance to insects and disease

General Description of Work:

Work involves felling of dead and mountain pine beetle infested ponderosa pine trees with a chainsaw and piling or chipping materials and slash. *A mandatory site inspection is required for this project.*

Legal Description and Location:

Meadow Creek State Land is located in Larimer County about 45 miles northwest of Fort Collins, CO. To reach Meadow Creek, travel north on Highway 287 to the Cherokee Park Road turn (80C). At this junction, turn left (west) and drive about 14 miles to the Cherokee Meadows subdivision. Take a left into the subdivision on Cherokee Meadows Road and proceed west until the road appears to fork. Turn right (north) and follow Wild Pony Way through private gate. Project is located in the southwest quarter of Section 36, Township 11 North, Range 72 West. Land ownership is state land board; however, best access for equipment is gained through private lands.

Unit Descriptions:

Each unit is described in the table below:

Unit Number	Acreage	Number of Trees	Species
1	5.4	201	Ponderosa pine
2	4	84	Ponderosa pine
Total	9.4	285	

Project is described and/or marked as follows: Unit boundaries corners are flagged in blue. All trees to be removed are marked at DBH with blue paint dots on a north and south orientation.

Tree sizes range from 2-16"+ DBH with the majority under 12". Contractor may remove and utilize any materials of choice that are designated for treatment. If Contractor chooses not to remove materials, logs shall be limbed, cut to 12'6" lengths and stacked where standard four wheel drive vehicles can access materials. Slash will be broadcast chipped back on to site or piled. For all activities, no materials shall be left where they are obstructing roads or trails.

Treatment Types & Equipment Recommendations:

Unit Number	
1,2	Chainsaw, chipper, and/or masticating equipment

General Prescriptions:

- Cut and remove or treat all marked ponderosa pine.
- Wherever practicable, contractor will cut stumps to as close to ground level as possible. Where slope, rocks, or other features prohibit, then a maximum of 4" on the uphill side will be acceptable.
- Slash may be broadcast chipped back onto the site or will be piled for easy access; however, will not obstruct road or trails.
- If slash is chipped or masticated, chips will be broadcast and no deeper than 2" in any location.
- Materials that are piled for burning will include only limbs, slash and logs under 6 inches in diameter. Piles should be located in openings, meadows or rock outcrops and should be at least 5

feet award from adjacent tree trunks and away from overhanging tree branches as well as downed logs on the ground. Piles will be constructed according to Larimer County recommendations outlined here. Pile construction will include piling branches and tops with butt ends toward the outside of the pile, and overlapping so as to form dense layers piled upon each other. Pile size should be approximately 8 feet across and 6 feet in height and materials should be kept as compact as possible.

- Dead trees greater than 18" DBH are unmarked and will be retained as wildlife snags unless Contractor chooses to remove all materials for utilization. Healthy, unmarked trees within the units shall not be removed.

Contract Period and Operational Period:

Project period runs from June 11, 2012 through March 1, 2013. The daily operational period is limited to 7:00 a.m. to dusk. Due to funding constraints, no contract extensions will be allowed. Mountain pine beetle mitigation efforts will be determined based on timing of project implementation.

Additional Performance Standards:

- Access to site is through private roads and private property. Contractor will be vigilant about driving carefully, following speed limits, and respecting private landowners' privacy and property.
- All gates will be left how they are found after every entry and exit from the property (ie. All closed gates must be closed behind vehicles/personnel; all open gates should be left open).
- Soil disturbance will be as minimal as possible. Ruts or depressions in the soil caused by Contractor equipment will be less than six inches deep. In areas where machines have used a path repeatedly, water-bars will be installed by the Contractor if the Contract Administrator deems necessary.
- Fuel, hydraulic fluid or other chemical spills will be reported to the Contract Administrator immediately. Soil contaminated by loss of fuel, oil, grease, hydraulic fluid, coolant, or other fluids shall either be removed and placed in covered drums or other acceptable containers for proper disposal by the Contractor or left in place and mixed with an encapsulating product such as RamSorb I, depending on the amount of contamination.
- The Contract Administrator may require the Contractor to cut leave trees that have been significantly damaged (broken top, multiple scars, scarring in excess of 12" x 6" on the trunk, or an area encompassing more than two-thirds of the trunk circumference) by the Contractor. The Contractor must minimize damage to residual trees.
- Damaged gates, fences, structures or signs will be repaired or replaced by the Contractor, at the discretion of the Contract Administrator.
- Smoking will only be allowed in vehicles. Each vehicle must have a properly serviced Class A, 2.5 pound fire extinguisher and a minimum of one fire tool per cutting crew member.
- Neither trash nor litter will be left by the Contractor anywhere on the property. Daily hauling of any trash generated by the Contractor is the Contractor's responsibility.
- It is the responsibility of the Contractor to follow all rules and regulations established for Meadow Creek State Land.
- The project site should be left in a safe manner at the end of every work day including no hung trees, safe storage of fuel containers and equipment parked off of main access roads.
- No rootballs should be created; however, any exposed rootballs created during this project will be tipped back into an upright position by Contractor.
- The Contract Administrator may suspend or limit operations if excess damage is occurring due to mud, snow, extreme fire danger, etc., or due to the following situation(s): failure to meet contract specifications.
- Improvements and Roads:
 - a. Roads must remain passable. Any significant accumulations of slash or material on roads shall be removed on a daily basis.
 - b. Roads shall be maintained to prevent erosion throughout the term of the project.
 - c. At the end of the project and prior to the final acceptance by the Contract Administrator,

roads will be repaired to the same condition as found prior to the start of work.

Administration:

- Contractor shall notify the Contract Administrator prior to moving any equipment into the project area and also prior to the start of work. No work will begin without the presence of the Contract Administrator.
- The use of sub-contractors must be approved in writing by CSFS prior to contract signing and bid approval.
- Restrictions: The Contract Administrator may suspend or limit operations in cases of extreme fire danger, excessive soil rutting, excessive or potential damage due to muddy or snowy conditions, excessive residual tree damage, road damage, or failure to meet contract specifications.

Damage Penalty:

The Contractor shall conduct all operations in a timely manner and shall take all necessary precautions to protect the remaining forest stand, soils, and any improvements. Excessive damage to the remaining forest stand (broken tops caused by felling operations, etc.), or the removal of undesignated products will be paid for at the rate of \$50.00 per tree. All damaged trees may be designated for removal by the Contract Administrator. Penalties may also be assessed for damages to soils, structures, power lines, and other improvements. Determination of damage is at the sole discretion of the Contract Administrator.

Damage Deposit:

A Damage Deposit in the amount of \$500 shall be deposited by the Contractor upon signing of this contract. The deposit shall be in the form of cash or certified check. Any damage penalties and charges for damages to soils, improvements or other elements of the forest stand not repaired or corrected by the Contractor shall be deducted from the Damage Deposit. If at any time during the performance of this agreement the Damage Deposit balance falls below \$250.00, it shall be brought back to the original full amount through additional payments by Contractor.

Any remaining deposit balances will be released to Contractor promptly upon satisfactory completion of this agreement.

Meadow Creek State Land Fuels Reduction
COST and INFORMATION PAGE
BIDS DUE: by 5:00 pm on Friday, June 8, 2012

All bidders must submit the following information:

- Bid price
- Equipment to be used
- Timing (when can they begin/projected end date)
- Desire to salvage forest products
- 3 References and past examples of similar work

Upon inspecting the site, if you choose not to bid on the project, please submit a formal "no bid" and a reason why you chose not to bid on this project.

All bids must be submitted in writing to Diana Selby via mail, FAX or e-mail by 5pm on Friday, June 8, 2012.

Diana Selby
Fort Collins District- Colorado State Forest Service
5060 Campus Delivery, CSU
Fort Collins, CO 80523-5060
Phone: 970-491-8839
FAX: 970-491-8645
E-mail: diana.selby@colostate.edu

Costs/Bids for Unit Prescriptions and Requirements:

Meadow Creek State Land (total of 9.4 acres or 285 trees):

Total Price: \$ _____

Cost/Tree: \$ _____

- Unit 1 (5.4 acre, 201 trees):

Cost/Tree: \$ _____

Unit Price: \$ _____

- Unit 2 (4 acres, 84 trees):

Cost/Tree: \$ _____

Unit Price: \$ _____

EQUIPMENT TO BE USED

Attach a memo explaining the type of equipment that will be used for this project.

TIMING - CSFS has specified when the contractor could begin work and duration with an end date during the site inspection. Please allow up to 4-6 weeks to allow time to complete the contract signature and Purchase Order issuance process. Please refer to the scope of work for special circumstances.

Estimated Start Date: _____

Estimated End Date: _____

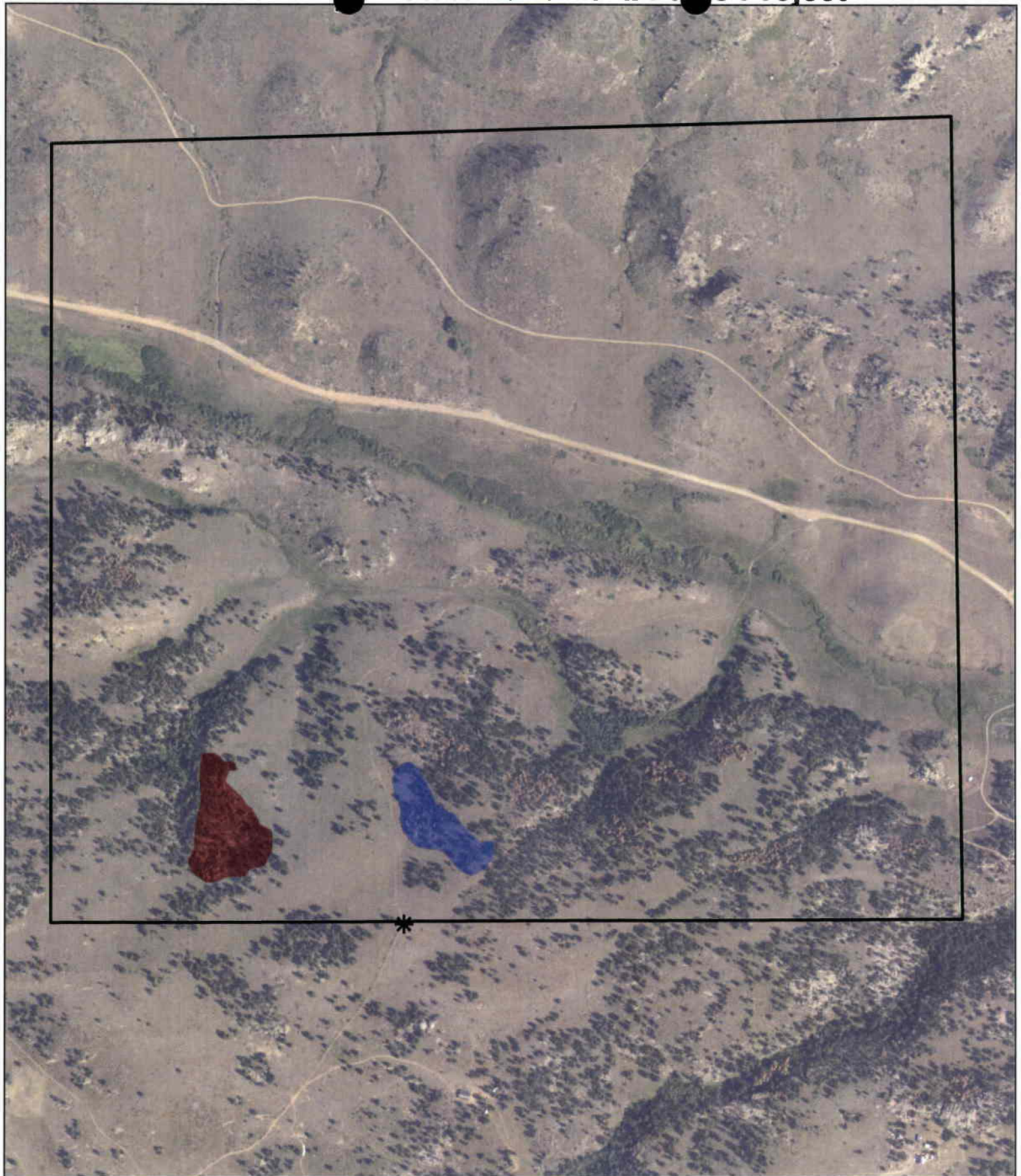
DESIRE TO SALVAGE FOREST PRODUCTS

Attach a memo explaining how and what products will be salvaged.

REFERENCES & PAST EXAMPLES OF SIMILAR WORK

Attach a memo with three references and explaining past examples of work.

Meadow Creek State Land 2012 Fuels Project



0 390 780 1,560 2,340 Feet

Prepared By:
Colorado State Forest Service
Fort Collins District
April 19, 2012

* Gate

▬ MeadowCreek_Revised

▬ Meadow Creek Unit 1 - 5.4 acres (201 trees)

▬ Meadow Creek Unit 2 - 4 acres (84 trees)

