

PAINT LINE WORK

This is included in the bid This is not included in the bid

Paint line work to be performed: (See attached map for locations)

TYPE OF LINE	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR	
Private boundary	X		X Blue	<input type="checkbox"/> Other: See **
Sale boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Red	<input type="checkbox"/> Other: See **
Sale cutting unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Red	<input type="checkbox"/> Other: See **
Stand type line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other:

Exclusions to mark and why

Standards for marking lines against private land

All lines must be flagged w/ pink ribbon, and painted so as to be visible from all vantage points along the line. At least one ribbon should be placed between each painted line tree. GPS can be used to approximate line placement, but the final line must essentially be straight, and extend corner to corner. GPS points are required every 5 chains along the blue lines.

AREA CALCULATION

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UNIT	METHOD	STANDARD
Sale	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Stand	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	

Special Instructions:

Provide corrected GPS files compatible with Pathfinder office software or ArcView. Payment unit lines that split stands on a straight line compass bearing, should have a GPS waypoint for each end.

TIMBER CRUISING SPECIFICATIONS

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Required Basal Area Factor: 10 20 Other:

Cruise Line Directions

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

Unless otherwise specified, the tally sheets used must be those supplied by the Forest, Mineral and Fire Management Unit.

TIMBER MARKING SPECIFICATIONS

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Precise specifications to be delineated at pre-work meeting with DNR staff

Total Residual BA (Basal Area): 80 (Minimum 70 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		n/a	
Girdled Trees Per Acre		n/a	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	slash on 2 sides w/dots	10"	8"
Sawbolts			
Pulpwood	slash on 2 sides. see *	6"	4"
TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR
Trees marked to leave	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Green <input type="checkbox"/> Other
Trees marked to cut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Orange <input type="checkbox"/> Other

TALLY INTENSITIES

SPECIES / PRODUCT	RATIO
Hardwood pulp	1 : 20
Softwood pulp	1 : 10
Aspen (all as pulp)	1 : 10
Sawlogs	1 : 1

SPECIES TO FAVOR

Oak, Hemlock, White Pine, Cedar

SPECIES TO FAVOR

SPECIAL MARKING INSTRUCTIONS

Put upper marks on two opposite sides of trees 6' up. The contractor must furnish the DNR with plot data showing residual BA/Ac for payment units to be checked (Self Admin). This is due before The DNR checks the marking. The contractor is responsible for checking all workers on the sale. Final marking details are to be discussed at a prework conference.

* Every tally pulpwood tree must have a slash for every tallied 8' stick.

** Line marks must be atleast 6' high, be flagged w/pink ribbon, and painted so as to be visible from all vantage points along the line. At least one ribbon should be placed between each painted line tree.

This sale area contains extreme topography. Area A, Area B, and the Line Work are payables.

Unless otherwise specified, the tally sheets used must be those provided by the Forest, Mineral and Fire Management Unit.

RESTRICTIONS

1. Forest, Mineral and Fire Management Division must to be able to identify who did what on the timber sale.
2. The contractor may not have more than two markers in one payment unit without prior approval.
3. Each marker should have an assigned area to mark (not strips).

PAINT

1. Call Jason Mittlestat at (906) 353 - 6651, to make arrangements for paint.
2. Paint will be supplied from Baraga Field Office.
3. Contractor's work schedule must coincide with the DNR work schedule for paint supply.
4. The DNR will not be available on weekends or evenings.

DELIVERABLES

1. A list of names that marked or cruised each payment unit.
2. A summary of paint used (in quarts).
3. Tally summaries for each payment unit (one summary, regardless of the number of markers) and all of the original tally sheets.
4. GPS files for any GPS work.
5. Two Marking areas and Linework will be separate line items and can be paid as they are completed and approved.