general in nature, outlining the expected timing and order of sale development, including such major operations as road construction, felling and removal of timber, distribution of timber, and contractual requirements for erosion prevention and slash disposal. The plan of operation and revisions thereto shall be subject to concurrence by the Forest Service.

§ 223.33 Redetermination of stumpage rates and deposits.

Sale contracts exceeding 7 years in duration, and those of shorter duration to the extent found desirable by the approving officer, will provide for the redetermination of rates for stumpage and for required deposits at intervals of not more than 5 years, exclusive of any period allowed for the construction of improvements.

§ 223.34 Advance payment.

Sale contracts shall provide that timber and forest products be paid for in advance of cutting, unless the contract authorizes the purchaser to furnish a payment guarantee satisfactory to the Forest Service. Advance payments found to be in excess of amounts due the United States shall be refunded to the current holder of the contract or to successors in interest. (90 Stat. 2959; 16 U.S.C. 472a.)

 $[43\ FR\ 38008,\ Aug.\ 25,\ 1978.\ Redesignated\ at\ 49\ FR\ 2761,\ Jan.\ 23,\ 1984]$

§ 223.35 Performance bond.

Timber sale contracts may require the purchaser to furnish a performance bond for satisfactory compliance with its terms

§ 223.36 Volume determination.

(a) Timber sale contracts may provide for volume determination by scaling, measuring, weighing, or counting the logs or other products, or by measuring the trees before cutting. If the contract or permit provides for the determination of volume by tree measurement and the timber has been paid for, the marking or otherwise designating of the tree authorizes cutting and removal. Otherwise no timber cut under any contract shall be removed from the place designated until it has been scaled, measured or counted as

provided in the timber sale contract, unless such removal is specifically authorized in the contract.

(b) National Forest timber sold on board foot scale shall be scaled by the Scribner Decimal C Log Rule, or if the advertisement and contract or permit so state, by the International ¼-inch log rule or by the International ¼-inch Decimal log rule. National Forest timber may also be sold by the cubic volume rule or by cords, each as used by the Forest Service.

§ 223.37 Revegetation of temporary roads.

Timber sale contracts, permits and other documents authorizing the cutting or removal of timber or forest products shall require the purchaser to treat temporary roads constructed or used thereunder so as to permit the reestablishment by artificial or natural means, or vegetative cover on the roadway and areas where the vegetative cover was disturbed by the construction or use of the road, as necessary to minimize erosion from the disturbed area. Such treatment shall be designed to reestablish vegetative cover as soon as practicable, but at least within 10 years after the termination of the con-

§ 223.38 Standards for road design and construction.

Road construction authorized under timber sale contracts, permits and other documents authorizing the cutting or removal of timber or forest products shall be designed to standards appropriate for the intended uses, considering safety, cost of transportation, and impacts on land and resources. If the sale contract provides for road design standards in excess of those needed for the harvest and removal of timber from that sale, including measures to protect adjacent resource values, provision shall be made in the contract for compensating the purchaser for the additional costs, unless the purchaser elects Government construction under section 14(i) of the National Forest Management Act of 1976.