

Rand Administrative Site Maintenance Projects
Environmental Assessment Addendum
June 28, 2002

I. Introduction and Background

The EA for this project was previously completed and the Decision Record signed on May 15, 2002. During the subsequent engineering design of the resurfacing / paving portion of the project, it was determined that the objectives of the paving of the lower boat barn area could be met much better if, as a part of the project, some edge drains and relief drains were installed. It was determined that the runoff from the surface could be more effectively channeled away from the foundations of the historic structures if this were done in lieu of the surface shaping and sheet drainage planned. This addendum addresses this proposed change.

II. Proposed Action / Modifications

The proposed action is to change the sheet drainage design (as shown on attached Plan B) to a piped drainage design (attached Plan A) in the lower Mule Barn - Boat Barn - Garage area. As shown on Plan A, a rock filled edge drain approximately 350' long would be installed along the west edge of this lower parking area. Doorway drains or swales would be installed along four of the buildings as shown. Six pipe drains would be installed beneath the area to be surfaced. The pipes would end in daylight outlet drains located in the blackberry patch between the Rand site and the Rogue River. Each drain outlet would include an energy dissipator that would effectively dissipate the erosive energy of concentrated flow out of each pipe.

Trenches for the drain pipes would be dug with a backhoe or, when close to a building / foundation, by hand. Trenches would dug to a maximum depth of 3-4 feet. Digging and trenching would take place only when a cultural resource specialist is present onsite. Drain pipes would be placed in gravel bedding and trenches would then be filled with imported drain rock where it is beneath the paved surface or with the excavated material where it is under the shrubs / field. Any excess excavated material would be spread as needed around the area to be surfaced prior to surfacing, spread and seeded at other locations within the Administrative site or hauled from the Rand site.

III. Environmental Consequences of the proposed change

Environmental consequences discussed in the environmental assessment are not repeated here. Only those impacts that are judged to be appreciably different from the earlier discussion are noted.

1. Resource: Wildlife

No new impacts are identified that would result from this proposed change. The site is highly modified and does not provide suitable habitat for any sensitive species.

2. Resource: Cultural / Historic

No new impacts on the cultural or historic sites have been identified.

3. Resource: VRM / Recreation / Wild & Scenic River Values

Installation of the drains would not have any lasting effect on the VRM, recreation or W&S values. During trenching, the backhoe could be visible for short period of time from the river which some river users might perceive as an adverse impact on their experience.

4. Resource: Soils / Water

No new impacts of note would occur as a result of this change. All pipes will be out-letted onto energy dissipaters which will spread the flow and allow for infiltration to occur before water would accumulate on the surface.

5. Resource: Fisheries

The proposed changes in the drainage system will not result in any new effects to fish and aquatic resources. The release of surface runoff to the vegetated slope at the facility should not result in any erosion or sediment due to the implementation of drainage system design features such as energy dissipaters.

6. Resource: Botany

No new potential impacts have been identified. As previously noted, the site is highly compacted and modified and does not provide habitat to any special status or S&M species.