

Addendum #1
The Following Changes were approved by the
Bidwell Park and Playground Commission
11-15-00

1. The following paragraph was added to the Bidwell Park Trails Manual:

Pruning techniques shall be used to provide variation and interest in trails. Methods such as directional pruning shall be used to provide desired clearance for passage but minimize vegetation removal. In addition, vegetation height on trail shoulders may vary (12 to 18 inches) in height depending on location. This particularly important for Class C trails.

The above paragraph was incorporated into the Manual at the following locations:

- a. Page 24 - Maintaining Existing Trails, Clearing Existing Trails, insert as new para. 5.
- b. Page 27 - Insert on Figure 7.
- c. Page 28 - Maintaining Existing Trails, Brushing Existing Trails, insert as new para. 6.

2. Section titled "clearing and Brushing for a New Trail, second paragraph has been amended to read as follows:

"For protection against erosion, and to maintain the appearance of area, ~~trees six (6) inches or less in diameter may be removed in conjunction with trail design and construction~~ all healthy trees over 12 inches in diameter should be left. ~~Where trees in excess of six (6) inches are encountered, alternative routing shall be considered. In the event alternative routes cannot be located, the tree(s) shall be flagged and the proposed removal(s) be reviewed and approved by the Director or his/her designee. Preference will be given to Butte County natives with non-Butte County natives removed where practical.~~

Background

Adopted in 1999, the Trails Manual provides the basic standards for improving and maintaining trails in Bidwell Park. Upon its adoption, the Trails Manual provides clear and concise guidelines which, from to time, require amplification or clarification. Staff recommended clarification regarding amount of vegetation to be removed from shoulders of trail. The original language gave the impression that all vegetation should be cleared. Staff is recommended that various techniques be used for specific applications and desired outcomes. Examples include directional pruning and graduated shoulder clearance to take advantage of natural features.

Addendum #2

**The Following Changes were approved by the
Bidwell Park and Playground Commission
4-30-01**

1. The following amendments were made to the Bidwell Park Trails Manual:

- a. Remove the phrase “with a preferred width of (blank) inches” from the standards presented on pages 9 and 10 of the Bidwell Park Trails Manual.
- b. Cross Slope Standard - on page 54-55 inserted a new sub-heading after “Layout and Flagging”:

Equally important to the trail gradient is the cross-slope on which the trail is constructed. In general terms, the cross-slope should be no more than 50%. More specifically, the maximum cross slope will be determined by the underlying soil structure, its potential for slumping and the stability of the soil above the cut. Steep areas with highly erodible soils over impervious layers should be avoided and the trail rerouted, especially when water is perched above the impervious layer. Every effort should be made to avoid cutting through highly erodible soil layers. Figures 20 and 21 illustrate a variety of cross-slope conditions.

Where the cross-slope exceeds 50%, all alternative alignments should be examined and considered before proceeding with the selected route. Under no circumstances should trails be routed through areas with cross-slopes in excess of 75% unless there are extenuating circumstances.

2. Discussion of the Role of the Trail Advisory Group

Modified the third paragraph on page 101 of the Bidwell Park Trails Manual to read as follows:

“In order for user groups to accept conflict solutions, they need to be a part of process to create those solutions. With that in mind, a Trail Advisory Group may be established in the near future. The Trail Advisory Group should be made up of people who represent all user groups. The goal of the advisory group should be to develop useful dialogue between user groups and provide citizen input regarding trail improvements and use and create and propose solutions to user conflicts.”

Addendum #3
The Following Changes were approved by the
Bidwell Park and Playground Commission
10-29-01

1. The following amendments were made to the Bidwell Park Trails Manual:

Class D Trails Design - Special Class Trail

Special Class Trail designations can be assigned to an entire trail or segments of Class B and Class C trails. A Class D designation would specifically allow for trails that would be exempt from specific standards and have scenic trail values, special views or particular trail qualities. Exemptions would most commonly be for width and grade. Such exemptions would be identified prior to their designation. Unless otherwise noted, all other specifications for Class B and Class C trails would still apply.

Addendum #4
The following Changes were approved by the
Bidwell Park and Playground Commission
7-29-02

1. The following amendments are recommended to the Bidwell Park Trails Manual:

Add the following line:

“As appropriate and where feasible, the use of long lasting materials such as products made of recyclables and/or steel is encouraged. “

To the first paragraph under **Recycled Materials** (page 18) and **Using Non-native or Off-site Material** (page 19).

Addendum #5
The following Changes were approved by the
Bidwell Park and Playground Commission
8-26-02

1. The following amendments are recommended to the Bidwell Park Trails Manual:

Add to the following to the Glossary of Terms:

Out Slope: Describes grading at trail so that the outside edge of the trail is lower than the inside edge. This allows water runoff to follow its natural course across a trail and down the slope. Out Slopes are normally 3% to 4%.

Cross Slope: Term used to describe the steepness of a hillside on which a trail can be constructed.

Modify Figures as follows:

Figure 9 - Change caption from “Cross Sloped Sections” to “Out Slope Sections”.

Figure 9 - Should read 3 to 4% outslope - not 6 to 10 % outslope.

Figure 12 - Substitute “Cross Slope” for “Side Slope”.