

## V. PROPOSED PEDESTRIAN TRAILS

*Trail design is one of the most important factors to insure that the route offers optimum scenic, geologic, historic, cultural and biological sites to provide a variety of diverse habitats for the trail user to experience. Trail design is the critical connection to make the trail sustainable, to reduce impacts to the natural environment, and to minimize future trail maintenance.*

### A. PLANNING OBJECTIVES

The need for pedestrian trails continues to grow in the area as population increases. The City would like to help add several trails at this time to help meet this growing demand. A great deal of planning has gone on in order to best strategically locate trails to better serve the entire community. The City understands that time will be required to obtain their trails objectives as shown in this section.

### B. GENERAL GUIDELINES

Trails should be located and constructed in such a manner as to minimize maintenance and maximize access.

Trails should follow natural contours where possible and respect surrounding landforms. For example, trails crossing steep sites should flow with the landform. Drainage features, such as water bars, should be constructed where appropriate to reduce erosion.

Trail slopes should match expected user volumes and types. Refer to AASHTO Guide for guidance and along with the MUTCD design standards.

### C. PEDESTRIAN TRAILS

Parowan City has been compiling a list of trails they would like to see constructed in their community and has spent many hours working with the public for their input. After multiple

iterations and discussions, the following 9 trails have been determined as the best value to the community:

#### i. PENSTOCK TRAIL

##### Description

Penstock Trail (Estimated 3.4 miles; Estimated Average Grade: 3.3%; no amenities): Using the existing Heritage Park as the Trailhead, the proposed trail will follow the easement prescribed for the City's Electric Department's penstock that feeds the Center Creek Hydroelectric Power Plant. This trail is "on top" of the penstock – a buried pipeline. It terminates at the Forebay, at the junction of Hwy 143 and the First Left Hand (Yankee Meadow) Road. Trail-goers may either be retrieved at the terminus or return along the same route.

##### Design Criteria

Following the Penstock Replacement project in 2014, the proposed alignment was left by the Contractor, cleared and grubbed and graded 10' wide for the future trail. The proposed improvements would include: 1) asphalt shared use trail, 2) channel stabilization and erosion control, 3) various earthwork, 4) three pedestrian bridges, and 4) miscellaneous amenities. Design shall follow AASHTO and MUTCD design standards.

##### Map

See Appendix C - Map 2-A for trail alignment map.

##### Environmental Impacts

Foreseen environmental impacts for this trail shall consist of wash crossing and disturbance. Very little vegetation disturbance shall be expected

given the alignment has recently been graded in preparation of the trail.

**Land Requirements**

As stated in the description, the proposed alignment will follow the existing prescribed easement for the penstock pipeline. The City will need to obtain easements from the same property owners as is recorded for the penstock. These shall include two along SR-143 south of the Cemetery, in town to tie-in to the Heritage Park, UDOT sections, and Bureau of Land Management (BLM).



Figure V-1: Valentine Peak

**Potential Construction Problems**

The coordination with UDOT and constructability within their R.O.W.

ii. VALENTINE PEAK TRAIL

**Description**

Valentine Peak is the high point of Parowan’s Red Hills, located about 2 1/2 miles east of town. The mountain peak is straight east of the center of town. It’s an 8,050-foot-tall sandstone mountain, which rises 2,000 feet above the Parowan plateau. The peak was officially named in 1959. It was not the mountain's Valentine coloration that brought

about the name but rather that the fact that the sun rises in the exact center of the mountain by February 14 looking from town square. The proposed hike is approximately 3.5 miles one way and shall be contrasted as a hiking trail.

**Design Criteria**

Design criteria shall consist of improvement to the already cut in trail. Proper drainage shall be required to help maintain trail accessibility with little maintenance required. Proper signage will be added to help visitors locate and follow trail.

**Map**

See Appendix C - Map 2-B for trail alignment map.

**Environmental Impacts**

Given the nature of the existing trail, very little environmental impact foreseen.

**Land Requirements**

Existing trail is already in place and improvements would stay within the same footprint.

**Potential Construction Problems**

Terrain is tight and rugged, making it difficult for any equipment to work on the trail. Upper portions of the trail will need to be constructed by hand tools.



Figure V-2: Heritage Park Monument



**MAP LEGEND**

-  Community Parks
-  Non-Motorized Trails
-  Hiking Trail


1 in = 2,160 feet



**PAROWAN**  
MOTHER TOWN OF SOUTHERN UTAH



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**PAROWAN CITY**

**PAROWAN TRAILS MASTER PLAN**

**HIKING TRAILS**  
**PENSTOCK TRAIL**

| JOB NO. | DESIGNED | DRAWN | CHECKED | DATE    |
|---------|----------|-------|---------|---------|
| 05181   | IH       | KCS   | IDF     | Map 2-A |