

## 2020 Chip Trail Repairs Equinox Mile 1 -4.5

### History

The Six Mile Trail started as a brushed out alignment back in the 1960s as skate skiing became popular a dozer was used to clear stumps and roots in perhaps the 1980s? While this greatly improved the skiing the summer users suffered from wet boggy conditions.

In 1999 the UAF Trails Club obtained a grant and one of the projects was making a loop trail on North campus that could be used without rubber boots. Typar and gravel was installed on the low section of the T field Road and Chip trails built on two sections of the Six Mile Trail. For the chip trails plastic culverts were installed at the creeks and several hundred feet of 4 inch perforated pipe was installed to drain other sections. Typar or landscape fabric was rolled out and wood chips spread out.

The help of Facility Services has been greatly appreciated through the years.

### Problem

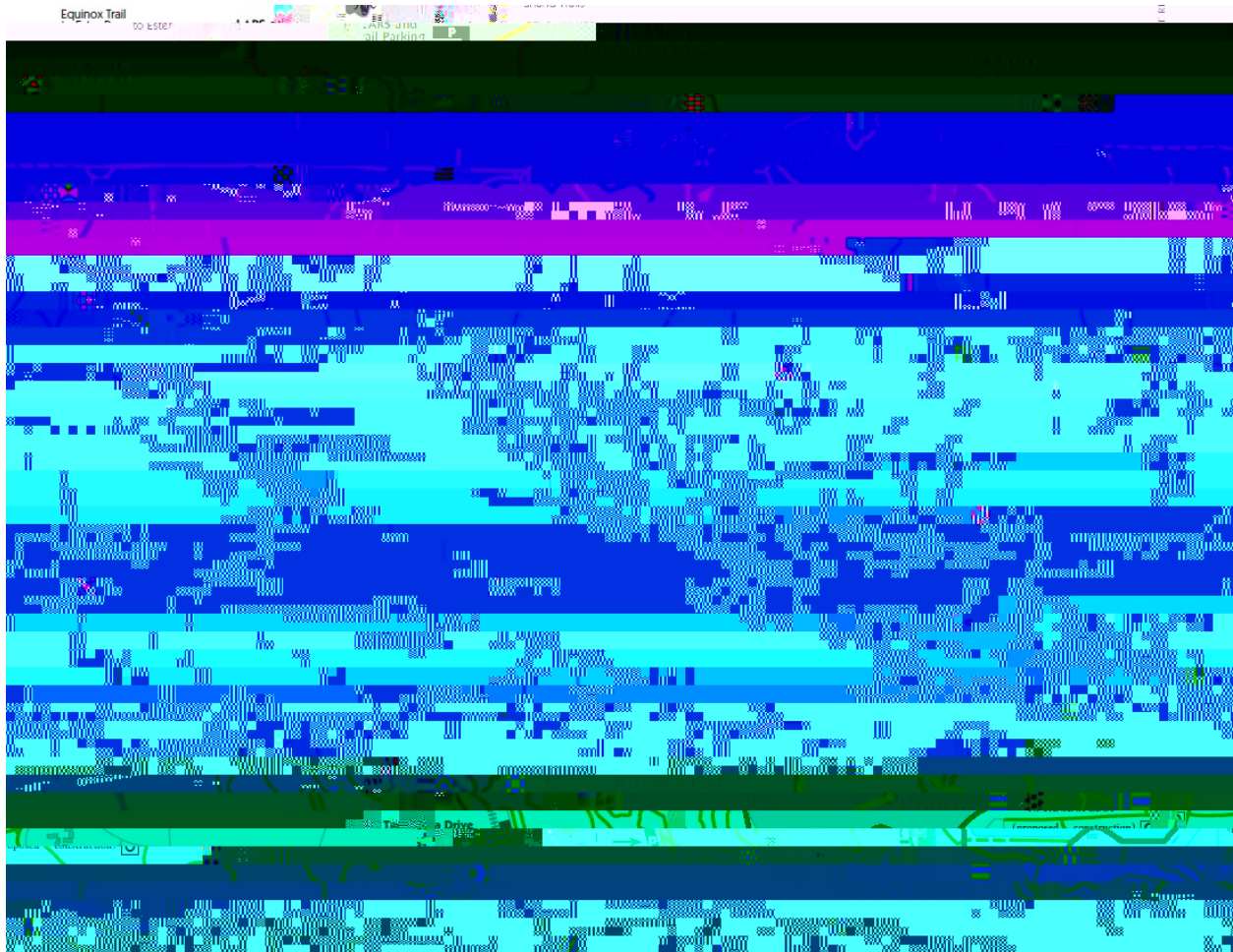
With improved trail conditions use increased dramatically. And as mountain bikes and then fat bikes became popular a new summer use arrived. The wood chips get pushed to the sides. There have been repeated projects to rake chips back to the center and fresh chips.

The drainage constructed of 4" perf pipe has

As originally envisioned once the drainage work was done typar and gravel would be placed on top of existing wood chips but the gravel option is still under discussion. Thus at this point just the drainage work is planned with perhaps some additional wood chips. And the focus is the section of trail from campus down to Ballaine Lake.

Due to the soft clay soils and high moisture content heavy equipment would make a mess hand work is the most suitable way to do the work.

It is important to not cause problems for snow grooming. Thus catch basins and outfalls would be well outside the groomed area. To ensure the grooming is not interfered with we call for 15 foot culverts. The chip surface would be slightly crowned to promote drainage.



Below is an estimate of the project. Distances in surveyor notation (4+50 is 450 feet from start) total to 22 culverts. Guess some 200 hours.

- 0+00 Start is at grooming access trail
- 3+15 6" plastic culvert 15 feet long priority 1
- 4+50 6" plastic culvert 15 feet long priority 1
- 5+10 6" plastic culvert 15 feet long priority 1
- 5+55 6" plastic culvert 15 feet long priority 1
- 6+00 6" plastic culvert 15 feet long priority 2
- 7+00 6" plastic culvert 15 feet long priority 2
- 8+75 6" plastic culvert 15 feet long priority 2
- 9+30 6" plastic culvert 15 feet long priority 1
- 10+18 6" plastic culvert 15 feet long priority 1
- 11+00 6" plastic culvert 15 feet long priority 2
- 11+60 6" plastic culvert 15 feet long priority 1
- 12+15 6" plastic culvert 15 feet long priority 1
- 13+25 6" plastic culvert 15 feet long priority 2
- 15+30 6" plastic culvert 15 feet long priority 2
- 16+60 6" plastic culvert 15 feet long priority 1
- 16+97 6" plastic culvert 15 feet long priority 2
- 17+25 Swale priority 2
- 17+60 Swale priority 2
- 17+60 Side ditch priority 1
- 19+00 Reset existing culvert priority 2
- 21+00 Reroute on original trail priority 2
- 23+00 Side ditch priority 1
- 23+55 6 0.0042 ( 0.j0.022 -1.3.6 (v)-2.5 (eras522 0 d [(R)1.5)Tj -07001 Tc -])5.6 (85.3 (l)13.6 ( (v)-2.6 (er)3.2(t