MEMORANDUM

TO: HUMBOLDT COUNTY PUBLIC WORKS DEPARTMENT
FROM: REDWOOD COAST MOUNTAIN BIKE ASSOCIATION
SUBJECT: MCKAY BIKE SKILLS PARK
DATE: JANUARY 20, 2020

The Redwood Coast Mountain Bike Association (RCMBA) is pleased to present to you RCMBA’s preliminary layout and intentions for design regarding the McKay Bike Skills Park. The attached Sheet 1 of 2 shows the results of a topographic survey of the site as shown to RCMBA by Bob Vogt on November 14, 2019. RCMBA located existing features and their relationship to Northridge Road. The site is flat with an average slope of approximately 2.7%. For the benefit of time, RCMBA did not locate every tree on the site, only stumps, logs, special features, and large clusters of redwood trees.

Sheet 2 of 2 shows RCMBA’s proposed layout for the bike skills park. For the benefit of discussion, the layout mostly shows hatched areas where RCMBA proposes to build specific features. Those features include a pump track, toddler area, jump trails, dual slalom trail, and an area we’re calling the North Shore due to its location on the site and in reference to the now famous mountain bike trails in British Columbia, Canada. The North Shore will consist of features such as incremental drops, incremental bunny hop obstacle, log rides, skinnies, roller coaster, teeter totter, and other North Shore inspired wood features. The North Shore is famous for its wood features that allowed for challenging obstacles in a relatively flat region of Canada. This site is perfect for these types of features.

In the following pages, RCMBA has provided photos taken from Google image searches or provided by our members of the types of features that RCMBA is proposing to help design and build for this site. Please peruse these pictures and the site layout to help envision what RCMBA is hoping to design and layout for the site. In addition, provide us feedback with any concerns or questions that you may have about these features or plans. RCMBA thanks you for this opportunity to help create something amazing for our community and look forward to working with you going forward on this.
PUMP TRACK/TODDLER AREA

The pump track and toddler area would be shaped and compacted from the dirt on site, imported fill, and gravel where needed. Drainage would be designed to limit any pooling of water during the wet season. The toddler area would mostly consist of a smaller scale pump track and small obstacles and features for toddlers to roll over with their push bikes and training wheels.

Figure 1. Pump track in Bellingham, WA.

Figure 2. Birds-eye view of a pump track (location unknown).
Figure 3. Child riding a pump track feature.

Figure 4. Toddler riding in a smaller scale pump track.
Figure 5. Toddler on a pump track feature.

Figure 6. Small scale features for toddlers.
RCMBA envisions a beginner, intermediate, and expert level jump trails with appropriate signage. Jump trails would consist of tabletop jumps (beginner to intermediate) to gap jumps (expert) in addition to berms and wall rides. The intermediate and expert level jump trail would have a short parallel section with multiple tabletop jumps (intermediate trail) with duplicate gap jumps (expert trail) to allow for riders to progress from tabletop jumps to gap jumps. The jump trails would start from a prominent stump found on the site with a redwood deck to be built with roll-ins for the trails.

**Figure 7.** Appropriate signage for jump trails.

**Figure 8.** Beginner to intermediate style jump trail.
Figure 9. Gap jump for expert level riders.

Figure 10. Wall ride for intermediate and expert level riders.
DUAL SLALOM

Dual slalom trails are two parallel, pump track style trails with berms and possibly small tabletop jumps that allow riders to race each other on duplicate trails to see who is faster.
NORTH SHORE AREA

The North Shore area would include North Shore inspired wood features that challenge balance, spatial awareness, and other skills on the bike.

Figure 13. A teeter totter feature that challenges balance on a moving feature.

Figure 14. Incremental height drops with optional rollers for safety.
Figure 15. North Shore style wood features.

Figure 16. North Shore style wood feature.
Figure 17. Roller coaster style wood feature.

Figure 18. Roller coaster skinny to challenge balance.
Figure 19. Skinnies challenge spatial awareness and balance on the bike.

Figure 20. Bunny hopping is an essential mountain bike skill for obstacle avoidance and trail flow.
The North Shore Design and Layout to be determined may include the following:

- Skinneys - Straight, curved, roller coaster
- Mini Totter
- Rock/Root Gardens
- Bridge over Stumps
- Log Rolls
- Wall Ride
- Dual Slalom

The Toddler Area Design and Layout to be determined.

1. Topography is at an assumed datum for representational purposes only.
2. Many trees and small stumps not surveyed due to time constraints. Tree density is much greater than shown.
3. Minor contours at 1' intervals; major contours at 5' intervals.
4. Trails shown may change at time of construction depending on conditions, ease of construction, or features that were not mapped.
NOTES
1. TOPOGRAPHY IS AT AN ASSUMED DATUM FOR REPRESENTATIONAL PURPOSES ONLY.
2. MANY TREES AND SMALL STUMPS NOT SURVEYED DUE TO TIME CONSTRAINTS. TREE DENSITY IS MUCH GREATER THAN SHOWN.
3. MINOR CONTOURS AT 1' INTERVALS. MAJOR CONTOURS AT 5' INTERVALS.
4. TOTAL AREA ~ 3.5 ACRES