

# COPPER CREEK MTB PARK VISION

The Copper Creek property owned by Polk County Conservation presents a unique opportunity to meld green infrastructure best management practices (BMPs) with active, community recreation. The overall forest/land condition, gentle grades, and proximity to a FEMA floodplain are great combinations for a one-of-a-kind symbiosis of recreation and green infrastructure. Can you imagine a pump track that also functions as a rain garden? Native grasses, forbs, and flowers on the backsides of berms and sides of rollers or jumps? Invasive forest understory species eradicated and new native understory and oak trees planted to recreate the historical oak savannahs of Polk County? Permeable rock slab armoring draining to swales? All of this can be created at Copper Creek.

## PUMP TRACK & SKILLS AREA



J SKILL AREA WITH NATIVE LANDSCAPING



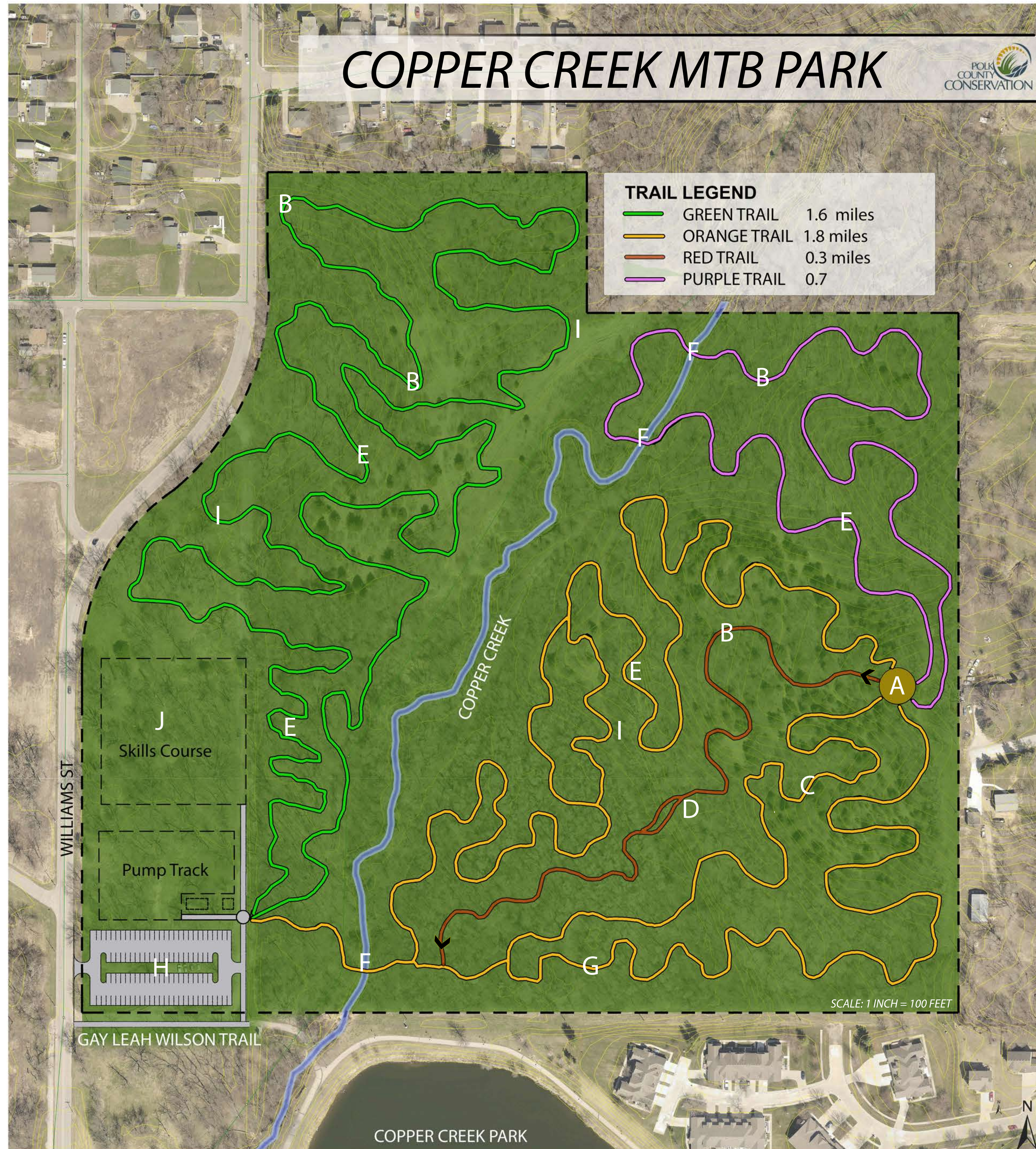
## CONSERVATION



H GREEN INFRASTRUCTURE

**GREEN INFRASTRUCTURE**  
will be used across the site to address stormwater runoff from the proposed parking lot in the form of bioswales and a series of rain gardens. Water quality can also be addressed along Copper Creek itself. Currently an engineering firm has been retained to study the hydraulics of this site to improve water quality. It is anticipated a small wetland could be incorporated into this site that would filter water from Copper Creek before it enters Fourmile creek immediately southwest of the site.

**SUSTAINABLE TRAILS**  
The trail system will be built to Best Management Practices for sustainable trail design. Trails will serve as recreational trails for bikers, hikers, and trail runners. Residents from nearby Copper Creek Lake Park will be able to enjoy the paved walking trail around the lake and also break off into Copper Creek Woods to experience the natural trails. All this is located along the Gay Leah Wilson trail that connects into the Central Iowa Trails System.



## RIDING FEATURES



A NATIVE STONE STARTING HUB



B WOOD BERMS



E FLOW TRAILS



C WOOD FEATURES



D WOOD JUMPS



E FLOW TRAILS



F STREAM CROSSING



G WOOD BOARDWALKS



I EARTH BERMS



I EARTH BERMS