



Boulders and logs installed to create natural play areas and improve stream access.



Stream improvements increased the flood capacity and allow for easier access to the creek.



Stream structure mimics natural bedrock.



Recycled trees were placed throughout the recreation area for seating and play structures.



New vegetation plantings.

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RALSTON CREEK AT CROKE CANAL ARVADA, COLORADO

CLIENT: Mile High Flood District & City of Arvada

- Completed under MHFD's Capital Improvements Program, in partnership with the City of Arvada, to address Ralston Creek's health and flood resilience after the 2013 flood
- Assessment of existing conditions and a hydrology and hydraulics (H&H) analysis
- Design focused on containing the 25-year storm within the flood corridor
- Sustainable channel stabilization, including:
 - ▶ Riffle-pool sequence
 - ▶ Sculpted concrete drop structure
 - ▶ New community recreational area
- Additional improvements:
 - ▶ Pedestrian bridge replacement
 - ▶ Upgrades to the Ralston Creek Trail
 - ▶ Tree removal and new vegetation plan
- Community benefits
 - ▶ Flood protection
 - ▶ Recreation
 - ▶ Environmental stewardship



Project stabilized the channel and installed a new pedestrian bridge.