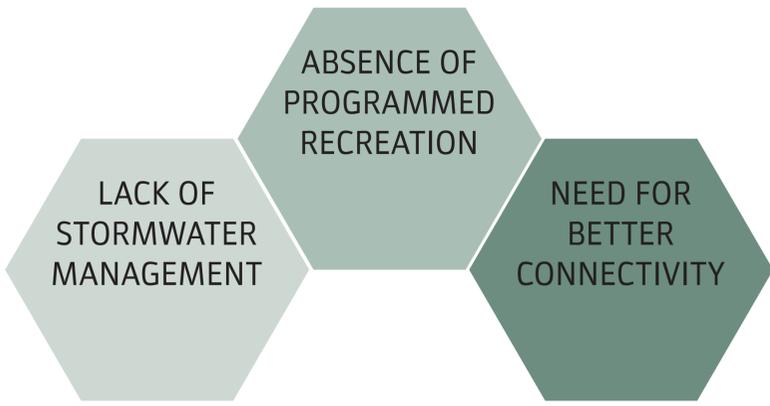


# Freshet Park

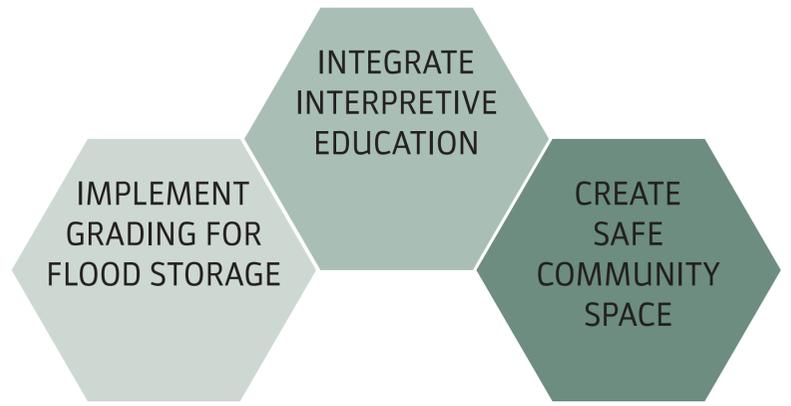
“A flood caused by snow melt or heavy rain”

Stephen Cannon, Riley Chustz, Camden Hocker, Mckinley Parks, Ayushi Patel

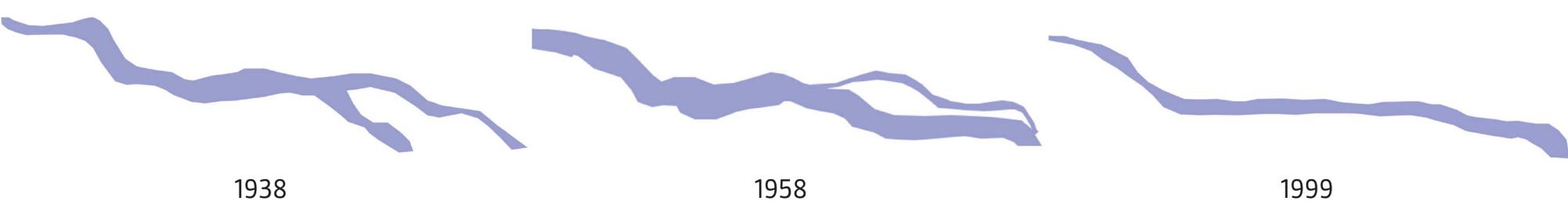
## Problem Statement



## Mission Statement

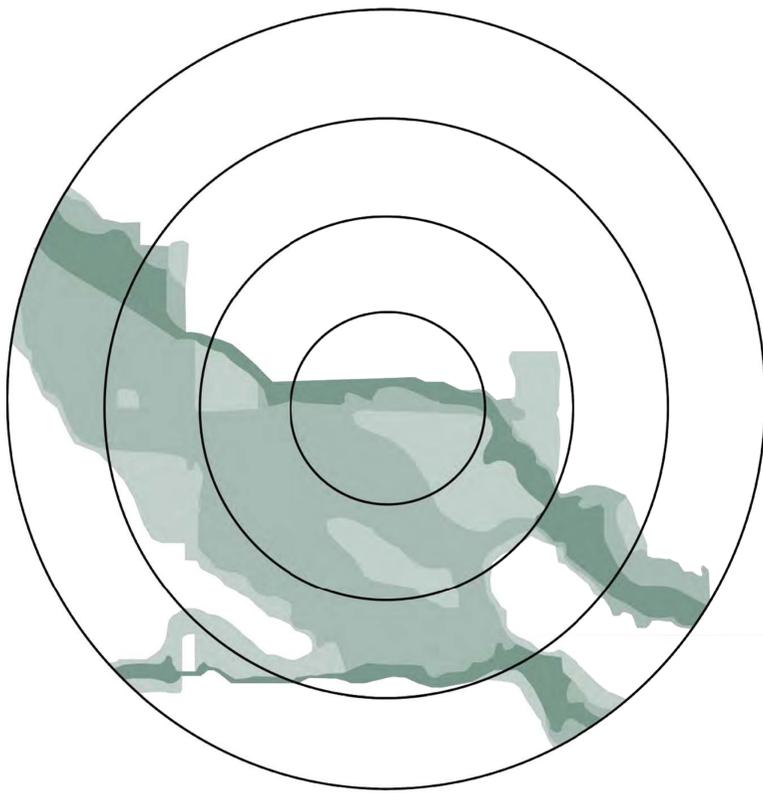


## Four Mile Canyon Creek Evolution



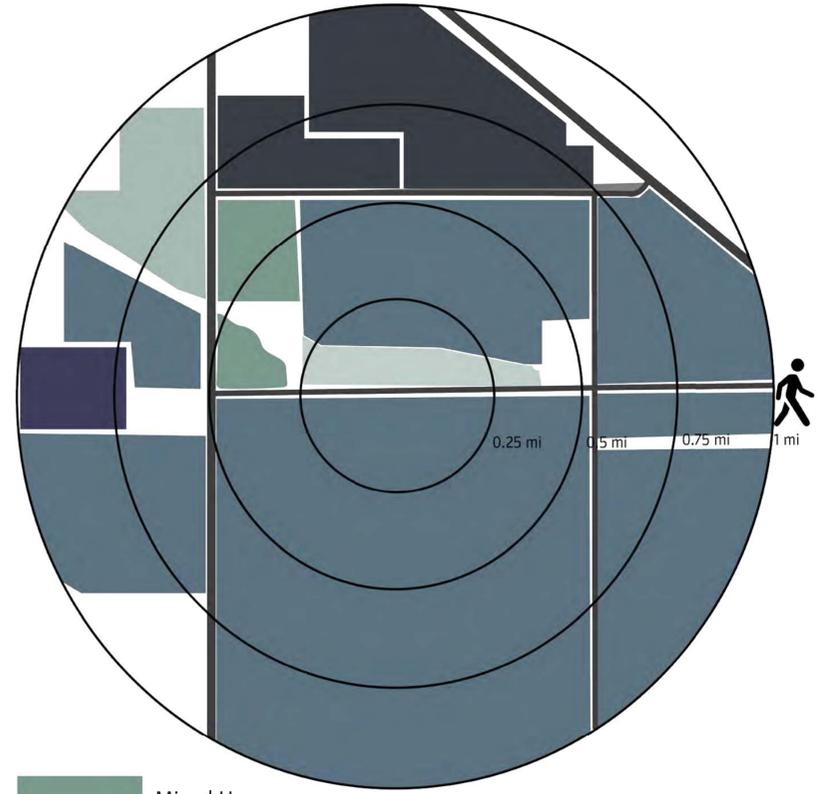
The Four Mile Canyon Creek bed has changed significantly since the area was first being developed for agricultural uses in the early 20th Century. Major flooding events and development have channelized the creek bed, increasing flood damage downstream.

## North Boulder Floodplain



- Conveyance Zone
- 100 Year Floodplain
- 500 Year Floodplain

## Adjacencies



- Mixed Use
- Commercial
- Industrial
- Human Services
- Residential

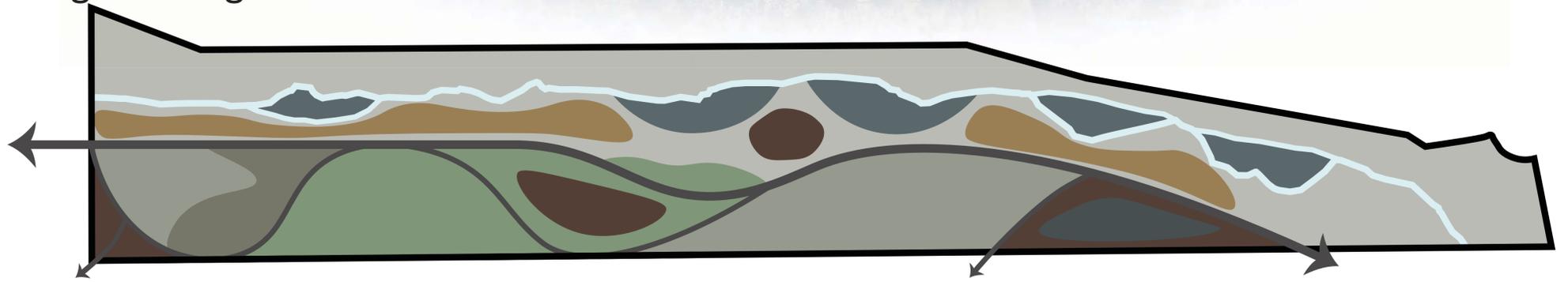


# Freshet Park Masterplan



- 1 Pavillion
- 2 Nature Play
- 3 Hammock Forest
- 4 Multi-use Lawn
- 5 Native Plantings
- 6 Plaza
- 7 Climbing Hills
- 8 Swale Seating
- 9 Bio-retention
- 10 Disc Golf
- 11 Detention Basins
- 12 Tree Bench

## Program Diagram



### KEY

- Four Mile Canyon Creek
- Stormwater Management
- Riparian Corridor
- Discovery Zone
- Hammock Forest
- Passive Recreation
- Disc Golf
- Community Gathering Space

<p><b>PRE-FLOOD MEDIUM WATER</b></p> <p>Common Spikerush (<i>Eleocharis palustris</i>)</p> <p>Angelica (<i>Angelica atropurpurea</i>)</p> <p>Switchgrass (<i>Panicum vergatum</i>)</p>	<p><b>POST FLOOD HIGH WATER</b></p> <p>Indian Grass (<i>Sorghastrum nutans</i>)</p> <p>Streamside Fleabane (<i>Erigeron glabellus</i>)</p> <p>Canada Wild Rye (<i>Elymus Canadensis</i>)</p>	<p><b>RESTORATION LOW WATER</b></p> <p>Common Fox Sedge (<i>Carex stipata</i>)</p> <p>Joe Pye Weed (<i>Eupatorium maculatum</i>)</p> <p>Purple Meadow Rue (<i>Thalictrum dasycarpum</i>)</p>
<p><b>DISCOVERY ZONE</b></p> <p>Jackman Potentilla (<i>Potentilla fruticosa</i>)</p> <p>Blue Grama (<i>Bouteloua gracilis</i>)</p> <p>Butterfly Bush (<i>Buddleja davidii</i>)</p>	<p><b>PASSIVE RECREATION</b></p> <p>Tall Fescue (<i>Festuca arundinacea</i>)</p> <p>Black Eyed Susan (<i>Rudbeckia hirta</i>)</p> <p>Mexican Feather Grass (<i>Nassella tenuissima</i>)</p>	<p><b>COMMUNITY GATHERING</b></p> <p>Little Bluestem (<i>Schizachyrium scoparium</i>)</p> <p>Compass Plant (<i>Sium laciniatum</i>)</p> <p>One-Sided Penstemon (<i>Penstemon secundiflorus</i>)</p>

## Section A

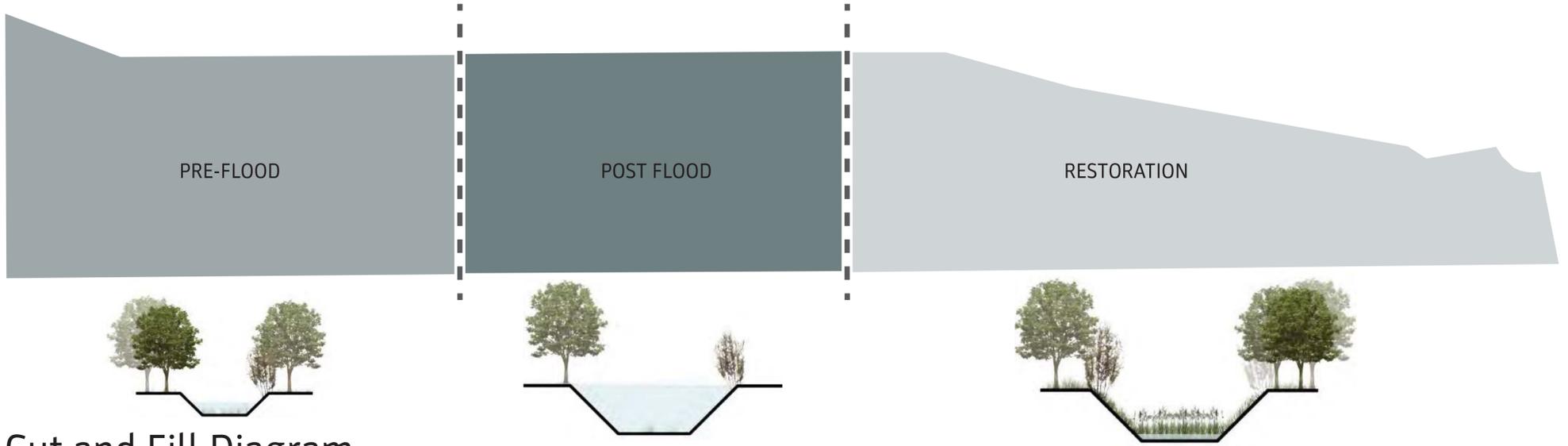


## Section B



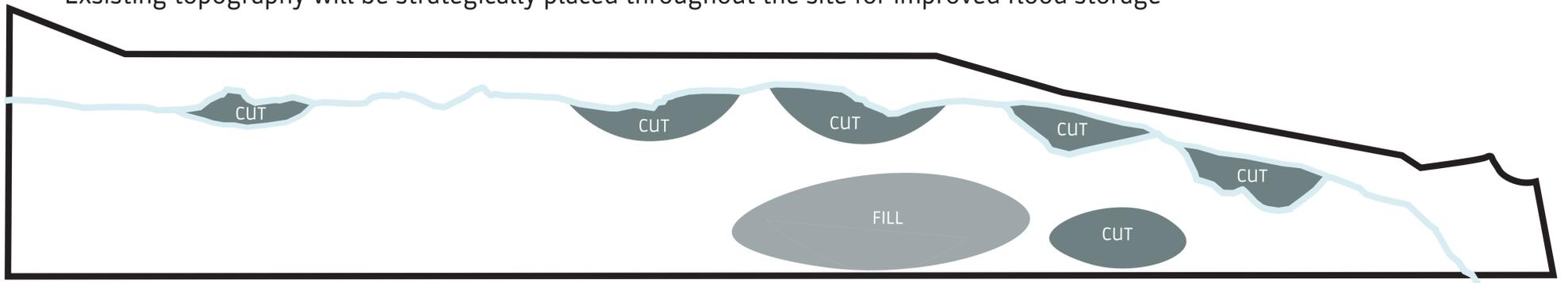
# Freshet Park

## Concept Diagram

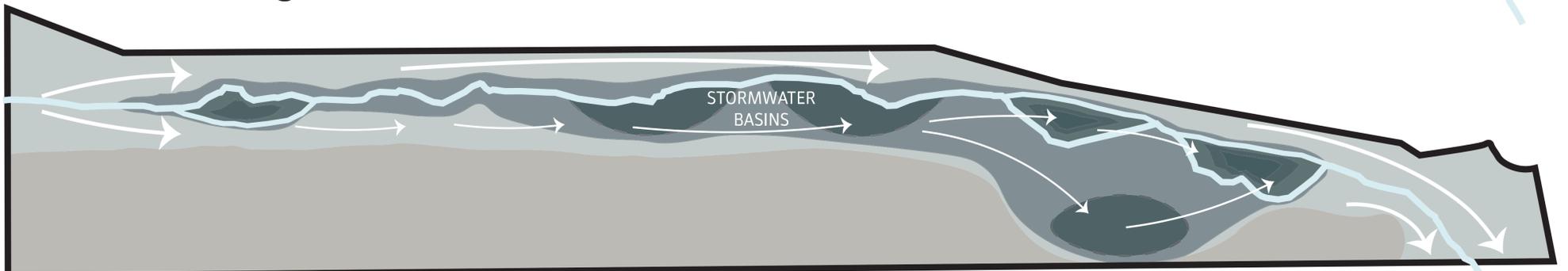


## Cut and Fill Diagram

Existing topography will be strategically placed throughout the site for improved flood storage

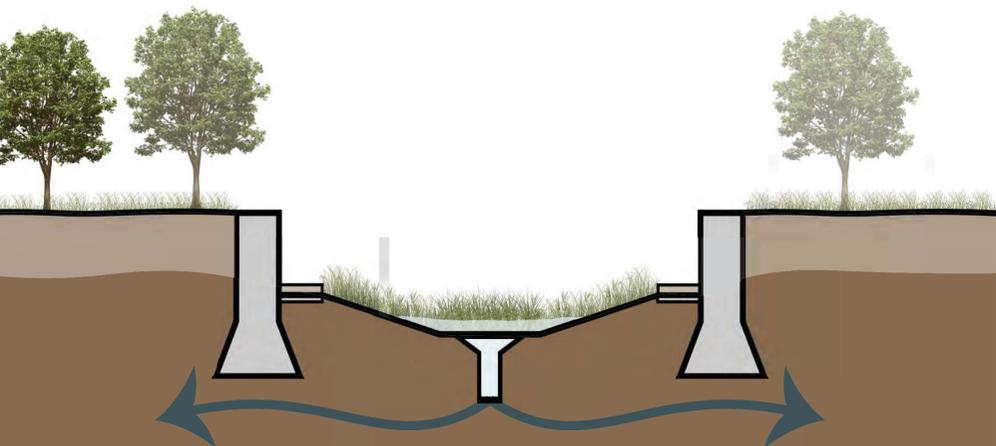


## Stormwater Diagram



Four Mile Canyon Creek   1000 Year Flood Plain   500 Year Flood Plain   100 Year Flood Plain   Flood Plain

## Swale Seating



## Watertable Diagram

