

SCHEMATIC SITE PLAN



* Plans and drawings are conceptual only and represent general sizes and amenity options for prioritization.

BENEFITS

- New Bathhouse with focal point entry
- More efficient parking layout
- Better pool orientation
- New 6 lane 50 meter pool
- 1 new slide (higher and longer)
- New splash pad
- Leisure pool with amenities for all ages
- 1 meter boards and safe diving depth
- Shade from structures and trees
- View to pools from 30th St. and from parking entry
- Restrooms close to playground and park
- Larger concessions and shaded picnic area
- More grass area

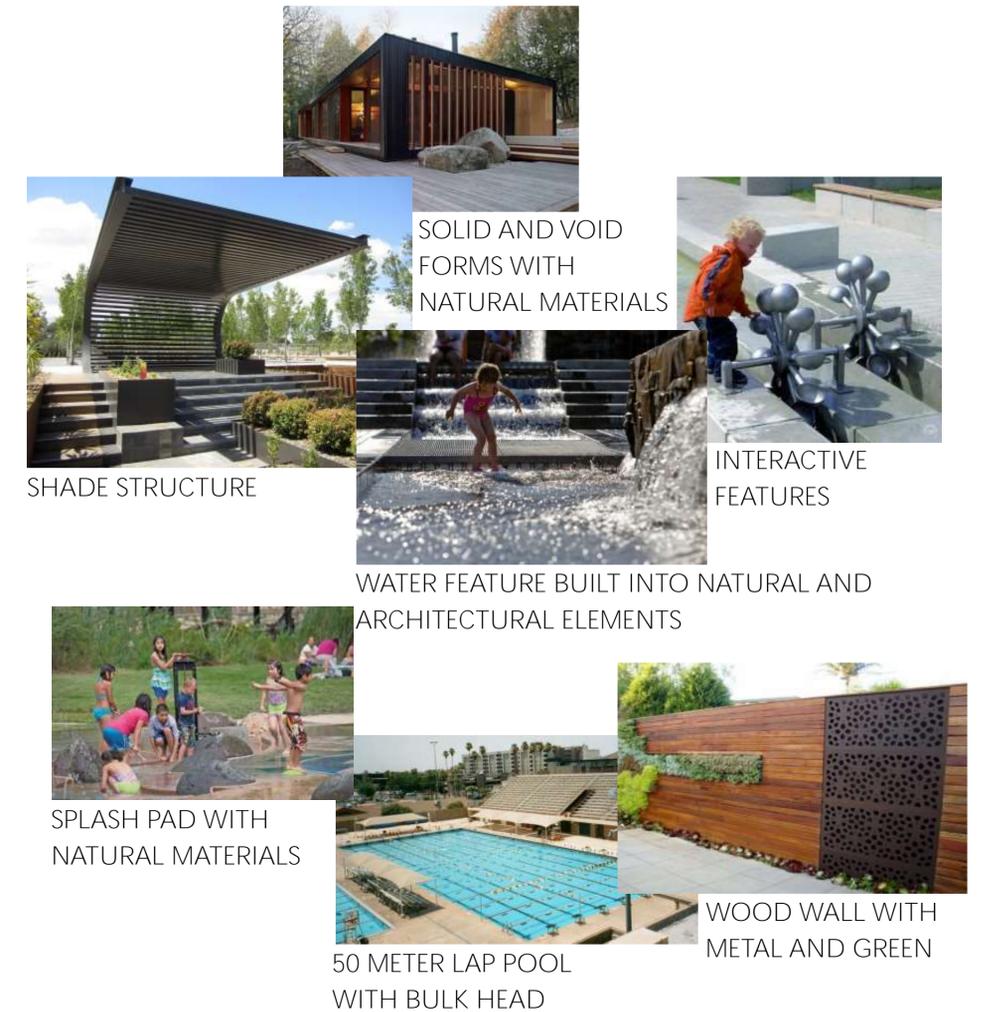
TRADE OFFS

- Loss of some grass space
- To preserve notable trees, pool must be shifted south, resulting in the playground being moved

3D CHARACTER DRAWING



CONCEPT VISION IMAGES



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BENEFITS

- Focal point entry & drop off zone
- Remodel and addition to the existing bathhouse
- More efficient parking layout
- Better pool orientation
- 8 Lane 50 meter pool
- 2 new slides
- Leisure pool with zero depth entry
- Shade from structures and trees
- Public restrooms close to playground
- Larger concessions and shaded picnic area
- More grass area

TRADE OFFS

- Loss of some grass space
- To preserve notable trees pool must be shifted south, resulting in the playground being moved
- Loss of some trees at the north for parking
- Skate park relocation is unfunded and for future phase

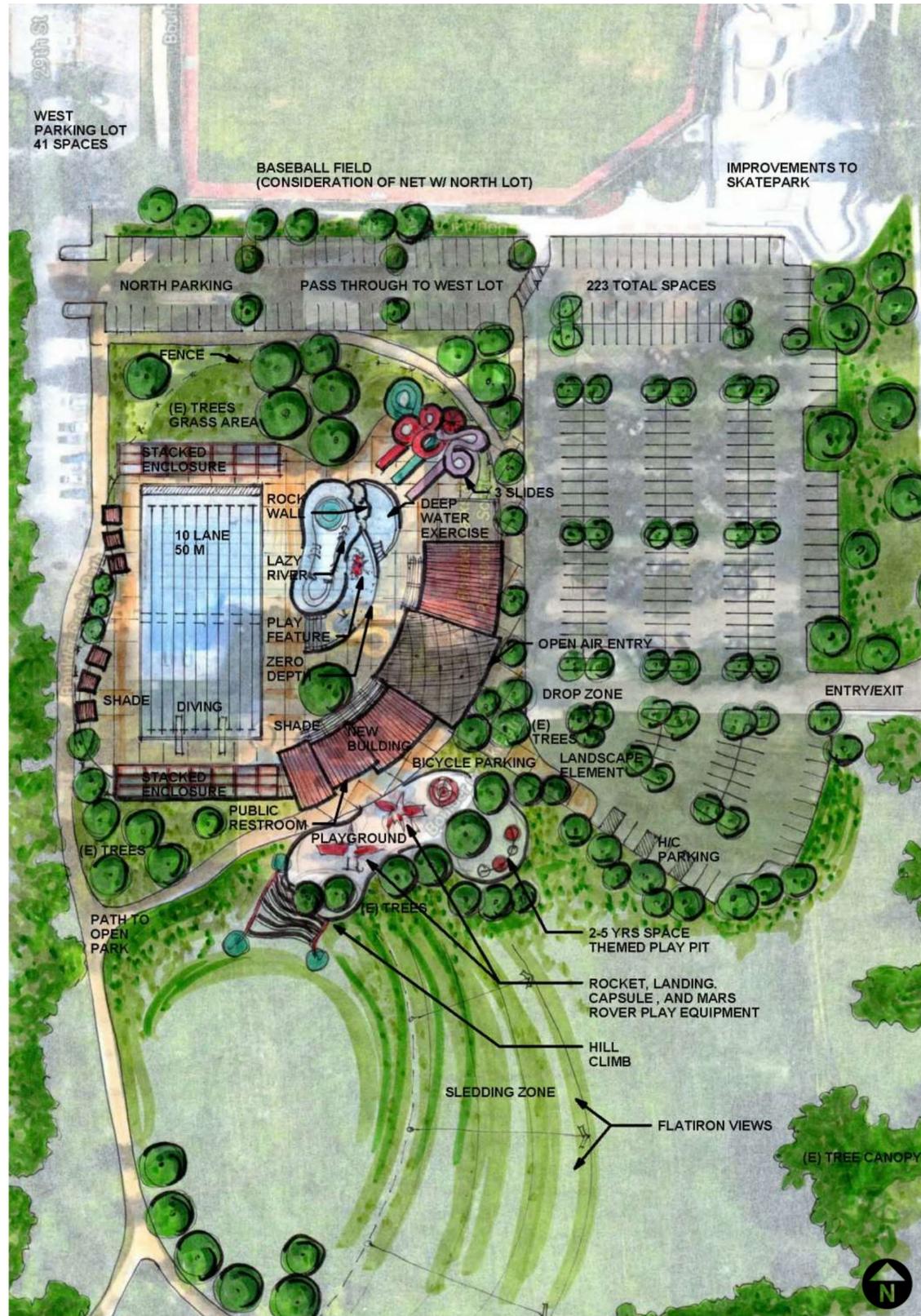
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BENEFITS

- New Bathhouse
- Entry drop off zone
- Parking connection between east and west lots
- More efficient parking layout
- Retractable roof allowing for year round use
- 10 lane 50 meter pool w/ better orientation
- 2 or 3 slides
- Splash pad
- Leisure pool with Lazy river, deep water exercise, and rock climbing wall
- Shade from structures, retractable roof, and trees
- Improvements to skate park

TRADE OFFS

- Loss of some grass space
- Loss of north trees for parking
- Pool must be shifted south resulting in the playground being moved
- Cost of retractable structure
- Capital and operating expenses for year round facility approx. \$500,000

3D CHARACTER DRAWING



CONCEPT VISION IMAGES



SCREENING & SHADE STRUCTURES



RETRACTABLE ROOF CLOSED



RETRACTABLE ROOF



SOFT EDGES WITH USABLE GREEN SPACE



50 METER LAP POOL WITH BULK HEAD

3 SLIDES



LAZY RIVER WITH NATURAL ROCK FEATURES



PATTERNED NATURAL LIGHTING



TRANSLUCENT SLIDE



SPACE THEMED WATER WALK

UNIQUE OPPORTUNITIES

The City of Boulder and the Scott Carpenter Park have a lot to gain from the use of natural and sustainable activities. The geographical location, local climate, and community support offers the project an ability to minimize long term costs and impacts on the environment.

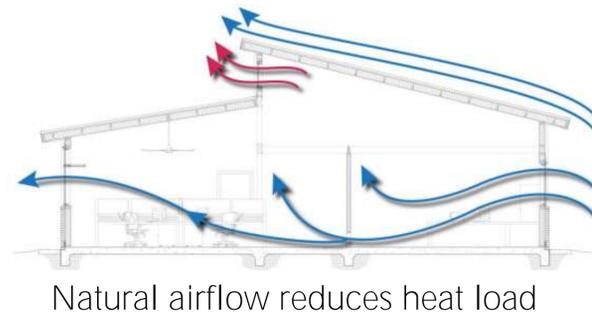
While we will always look to the future we must weigh the cost impact and benefit today. Our history of sustainable design has provided many benefits and lessened impacts for our futures.

In many ways the practices and technologies that were used decades ago may still be the best option today. Technology on the other hand is a rapidly growing field that provides new prospects and potentials.

TRADITIONAL ACTIONS

Control of heat and cooling requirements:

- Provide natural daylight
- Integration of Natural airflow to reduce cooling needs

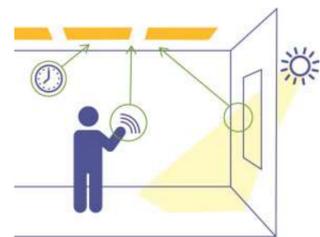


Site planning and location:

- Integrate public and shared transportation
- Limit the amount of heat islands
- Landscape with native plants to reduce water dependency

Water control and efficiencies:

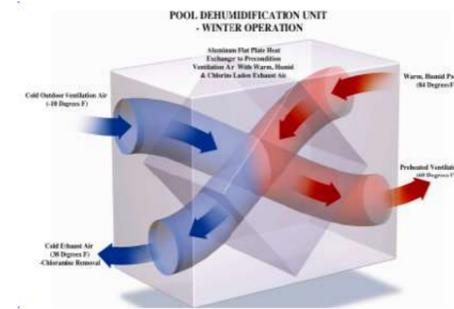
- Low flow faucets
- Low flow urinals
- Timed shower valves
- Water bottle refill stations
- Gray water reuse



Internal Light and Heat load:

- High efficiency lights
- Occupancy sensors
- Geothermal systems
- Humidity control

TODAY'S TECHNOLOGIES



- Solar, wind, geothermal and other non-fossil fuel supplies.
- On-demand hot water
- Energy modeling and systems controls
- Use of evaporative cooling systems
- Reduction of chloramines with new technologies
- High efficiency thermal glazing
- Regenerative media filters
- Use of sustainable/recyclable building materials
- Integration of variable lighting for day/night conditions
- Use of natural materials and plants to increase air quality
- Use material with lowest levels of VOC elements
- Develop cleaning and maintenance program that uses non-toxic solutions
- Using Energy star equipment
- Provide acoustical controls
- Materials with high recycled content

TOMORROW'S OPPORTUNITIES

Our planning today requires us to think about tomorrow's opportunities. Here are some that are being discussed today:

- Longer life and reduced maintenance requirements for equipment
- Integrated photovoltaic systems
- Transportation options.
- More personal public transportation
- Automated / shared vehicles

