

Salem Pool Renovation Project

(Park, Pool & Architectural Planning)

Salem, South Dakota

April 13, 2015

infrastructure
design group, inc.

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CONFLUENCE

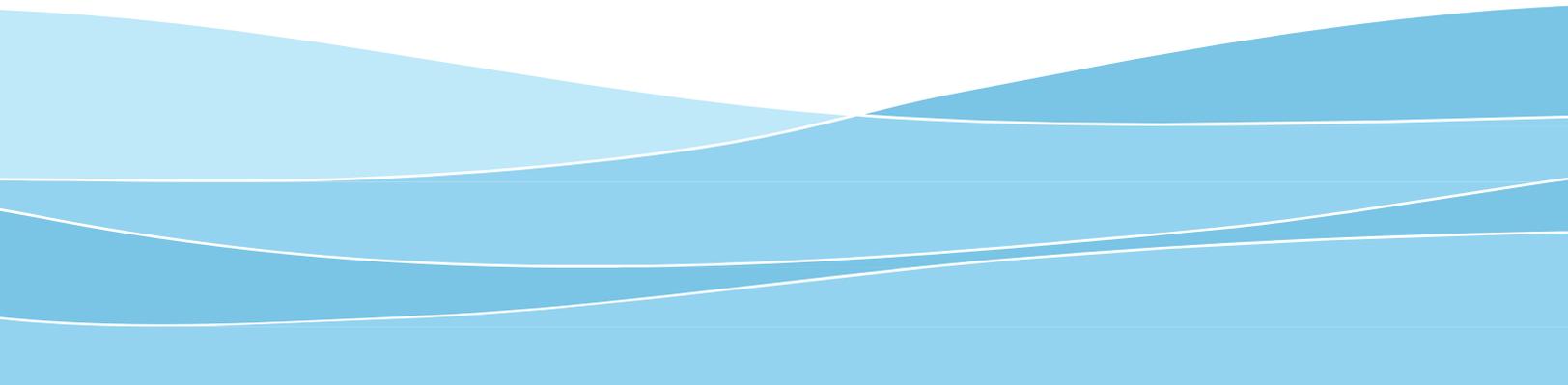
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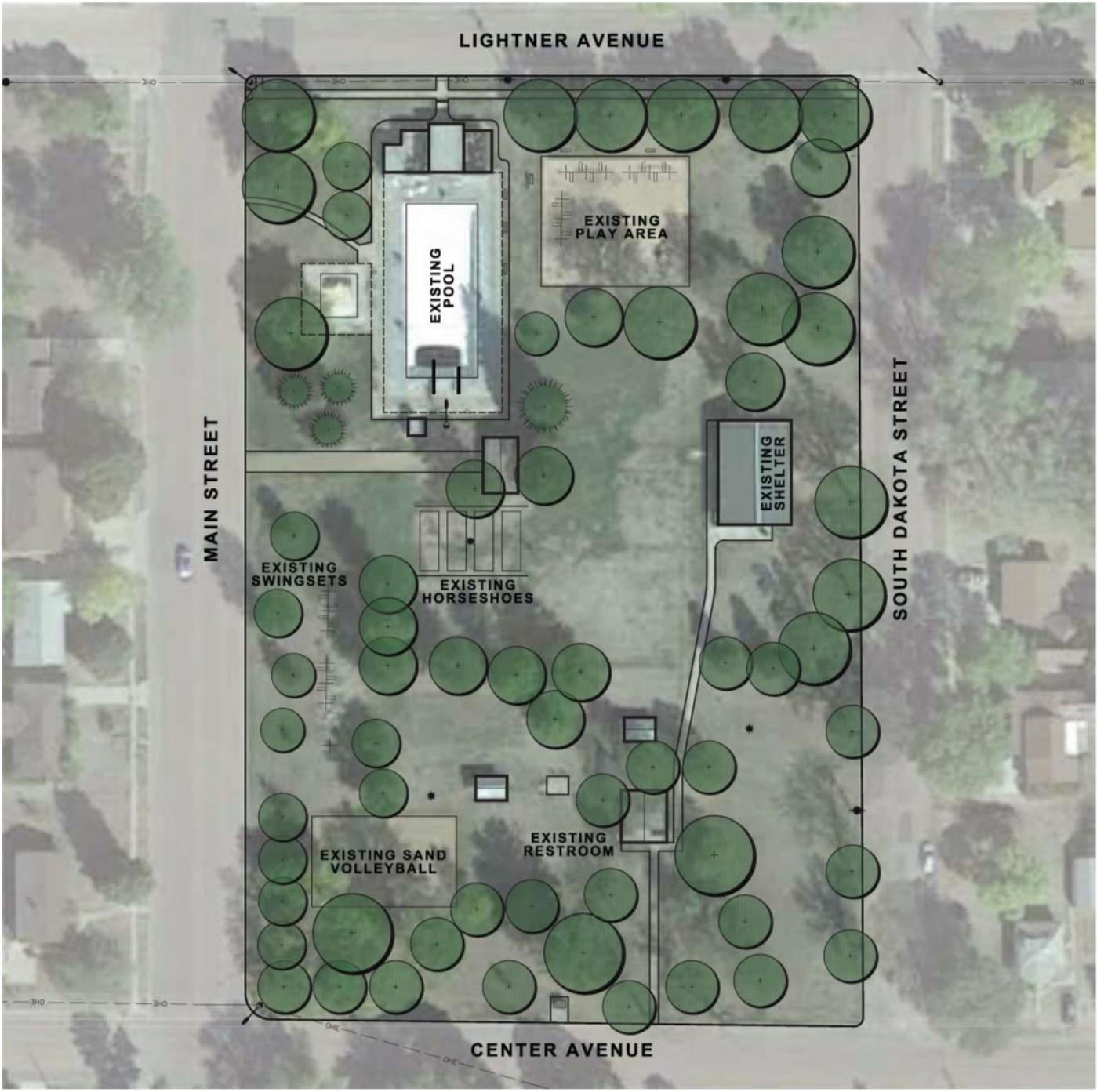


Existing Park & Pool

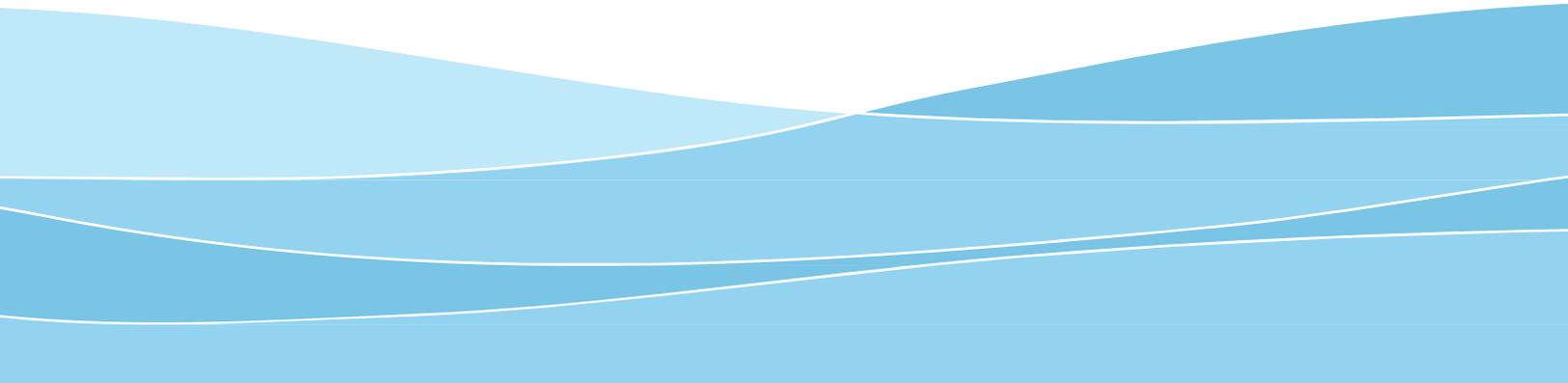


Existing Park Plan (±4.4 Acres)

Pool (±4,625 SF)

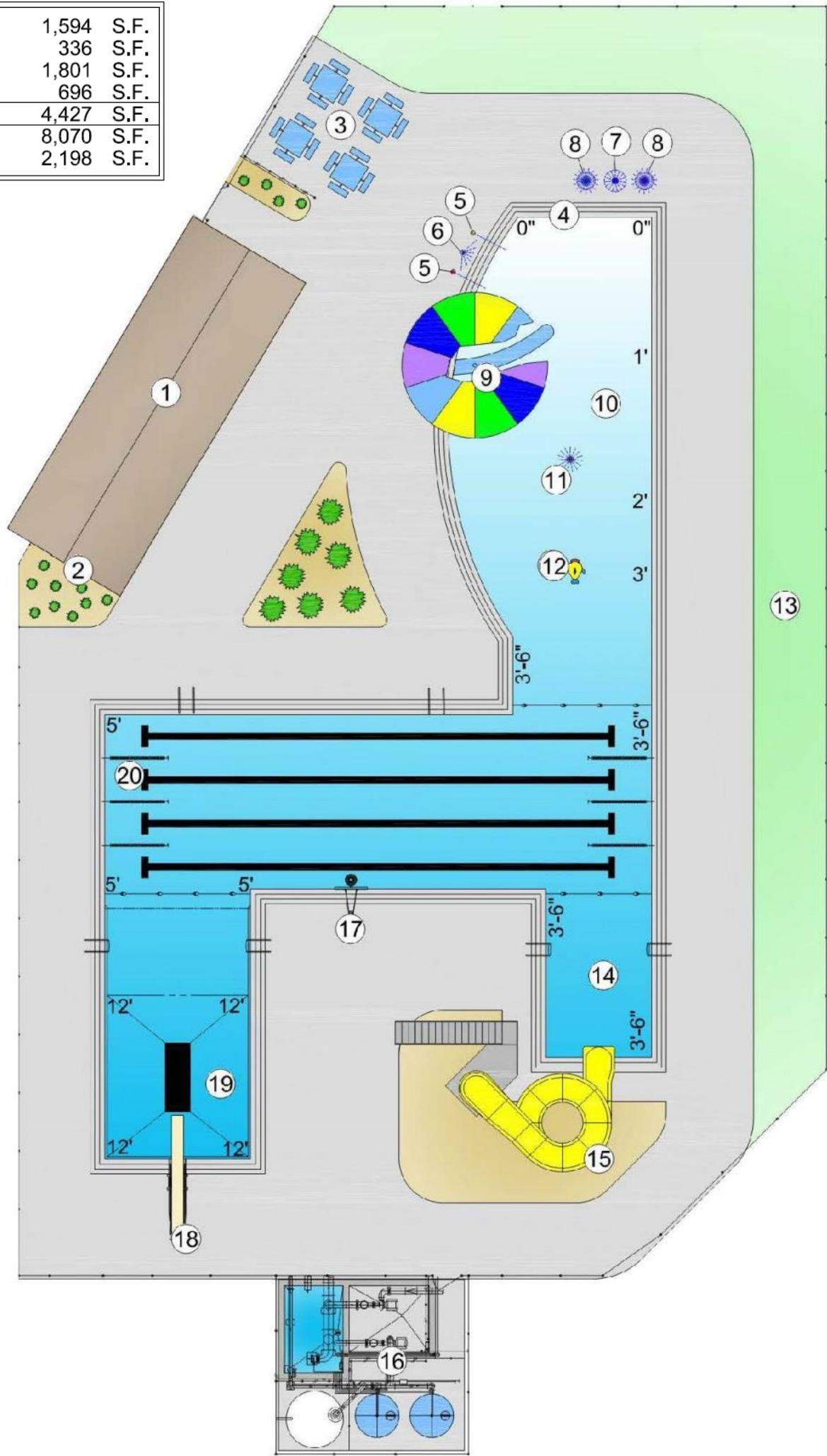


Elements of a New Pool



Shallow Play Area	1,594	S.F.
Plunge Area	336	S.F.
Lap Swimming Area	1,801	S.F.
Diving Area	696	S.F.
Total Water Surface Area	4,427	S.F.
Concrete Deck Area	8,070	S.F.
Grass Deck Area	2,198	S.F.

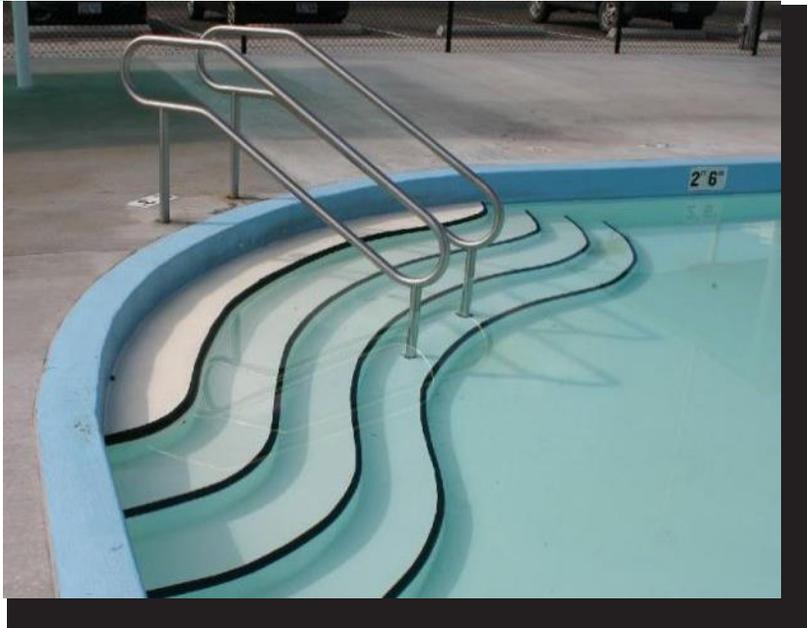
- ① Bathhouse
- ② Admissions, Office, and Concessions
- ③ Concessions Area with Tables
- ④ Zero Depth Entry
- ⑤ Aqua Arches
- ⑥ Water Wave
- ⑦ Water Lava
- ⑧ Splash-O-Lator
- ⑨ Water Bench under Sunshade
- ⑩ Shallow Play Area
- ⑪ Water Whoopee
- ⑫ Floatable
- ⑬ Grass Deck Area
- ⑭ Plunge Area
- ⑮ Open Flume Water Slide
- ⑯ Filter Area
- ⑰ Basketball Goal
- ⑱ 1 Meter Diving Stand
- ⑲ Diving Area
- ⑳ 4 Lane 25 Yard Swimming Area



Potential Pool Plan (±4,400SF)



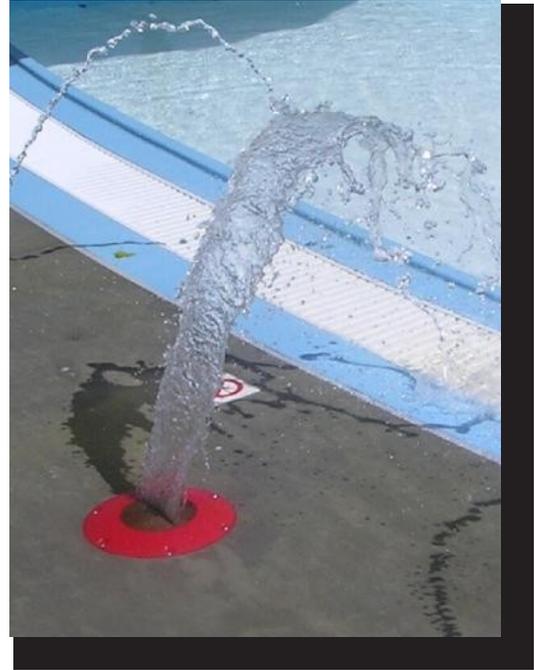
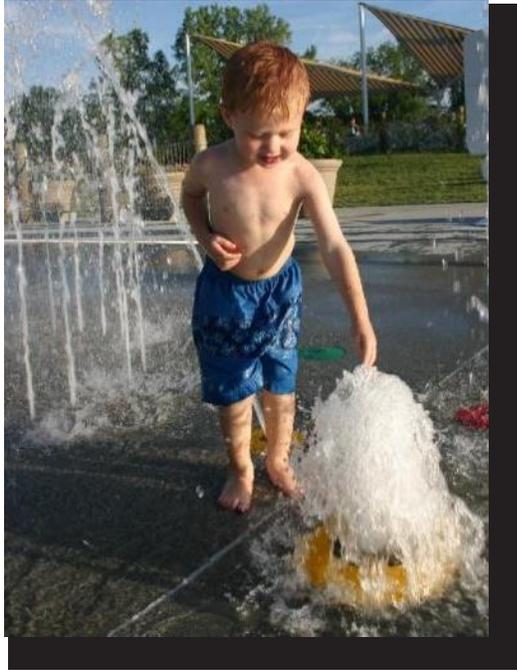
Zero-Depth Entry



ADA Pool Access



Lap Lanes



Water Spray Zone

\$20,000 - \$30,000



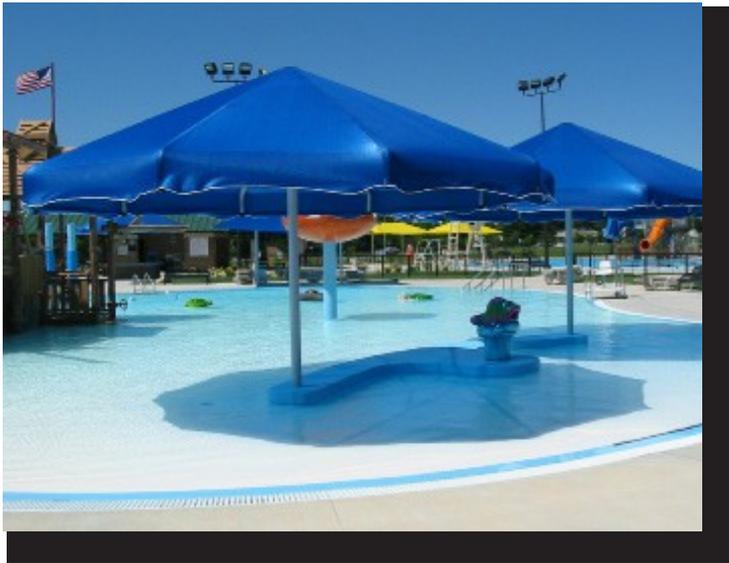
Underwater Bubbler
\$9,000 - \$12,000



Play Structure
\$100,000 - \$160,000



Vertical Spray Features
\$5,000-\$30,000



Water Bench with Sunshade

\$10,000 - \$20,000



Short Family Slide
\$80,000 - \$100,000



Tall Family Slide
\$90,000 - \$120,000



Basketball Goal

\$2,000 - \$5,000



Floatables
\$8,000 - \$16,000



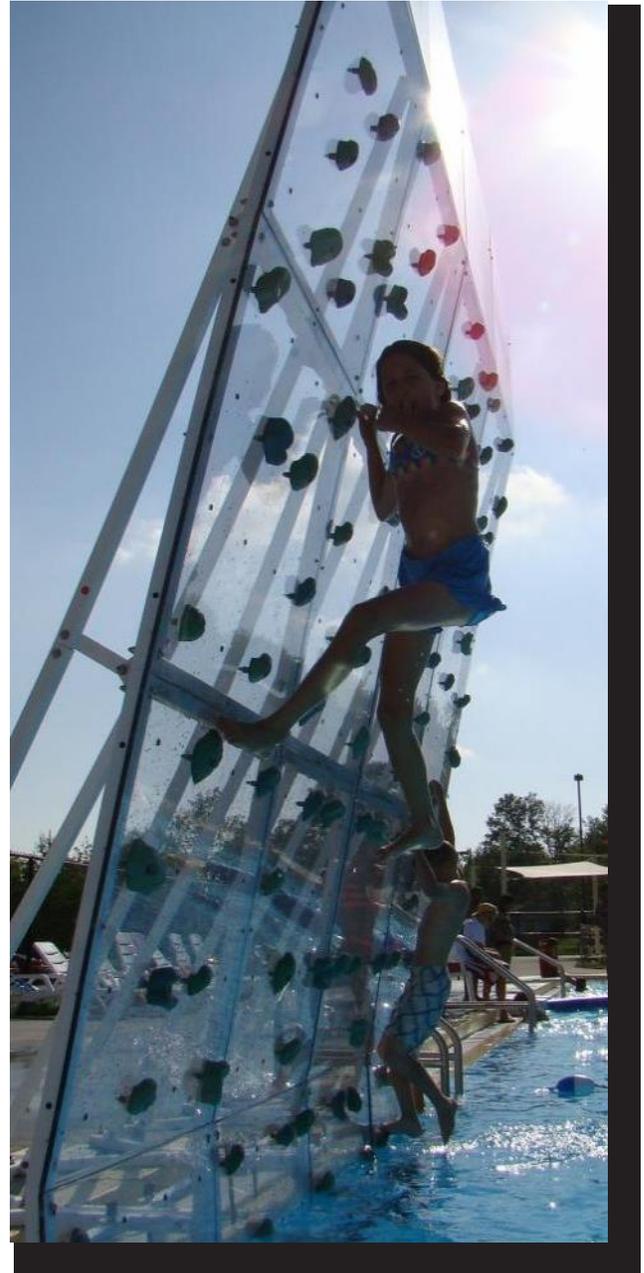
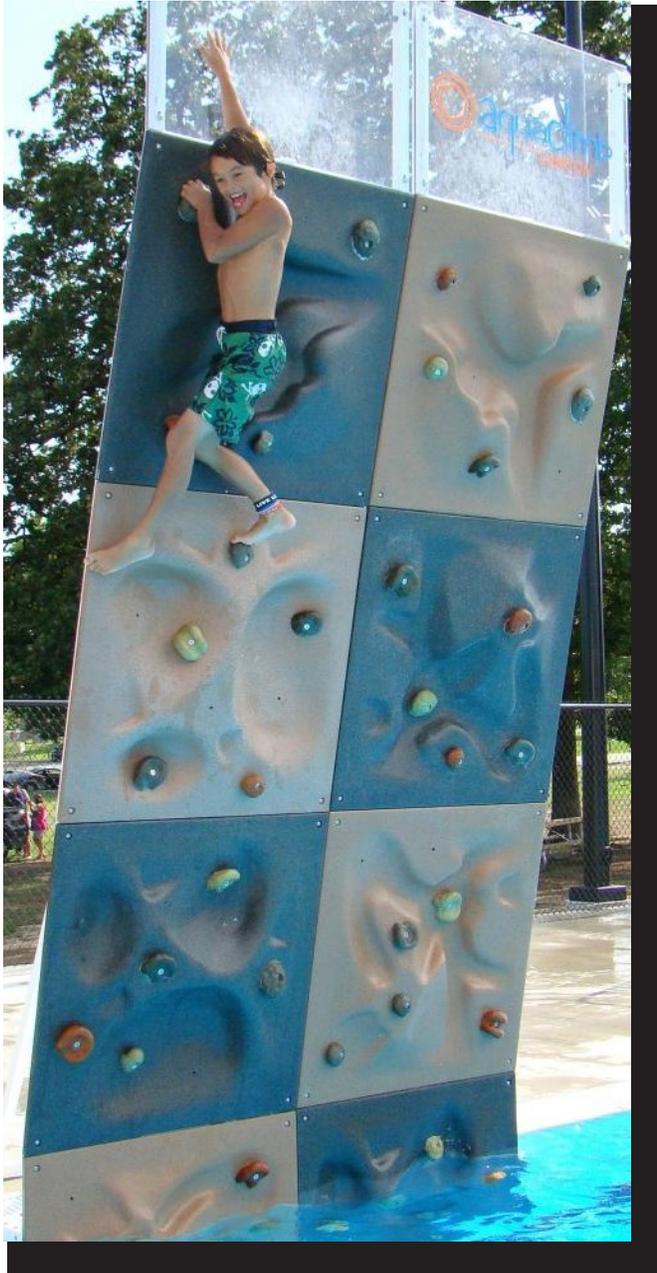
Volleyball
\$200 - \$500



1 and 3 Meter Diving
\$15,000 - \$25,000 each



Current Channel
\$75,000 - \$100,000



Climbing Wall
\$10,000 - \$50,000



Open Flume Water Slide
\$100,000 - \$200,000

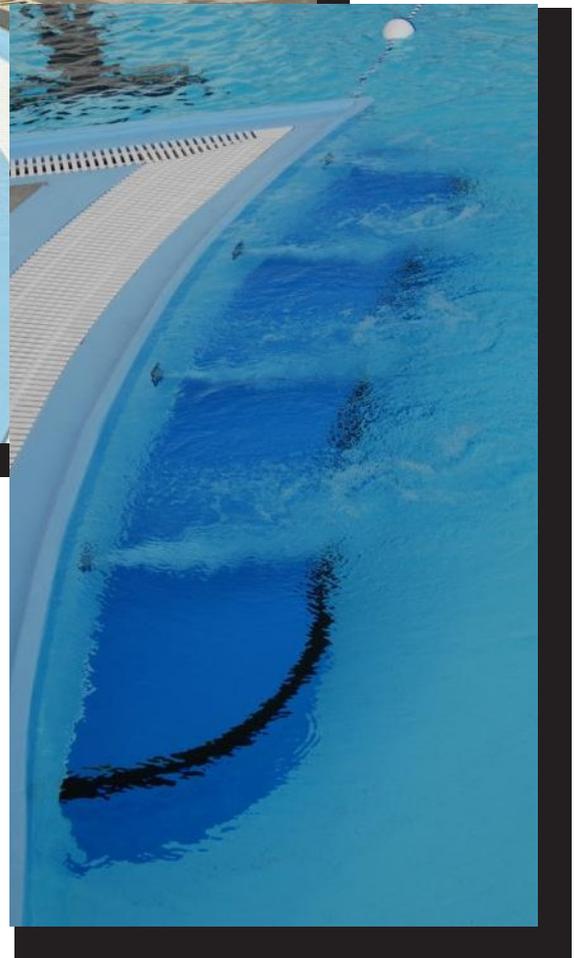
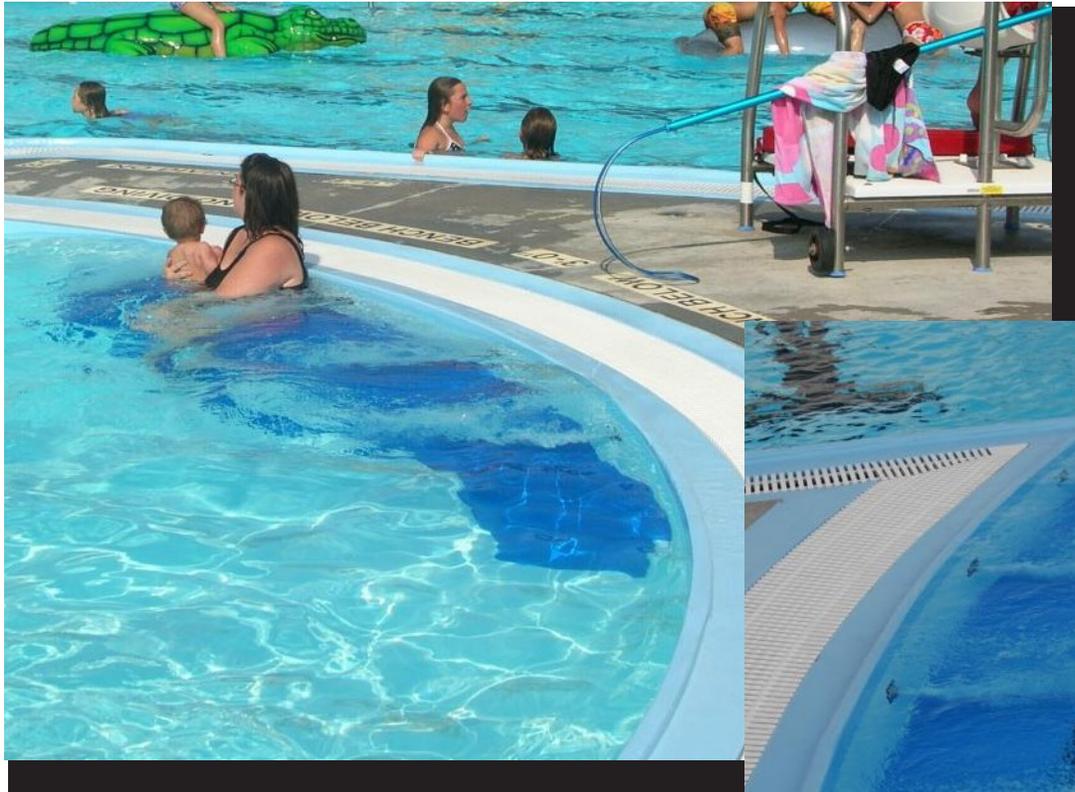


Enclosed Flume Water Slide

\$100,000 - \$200,000

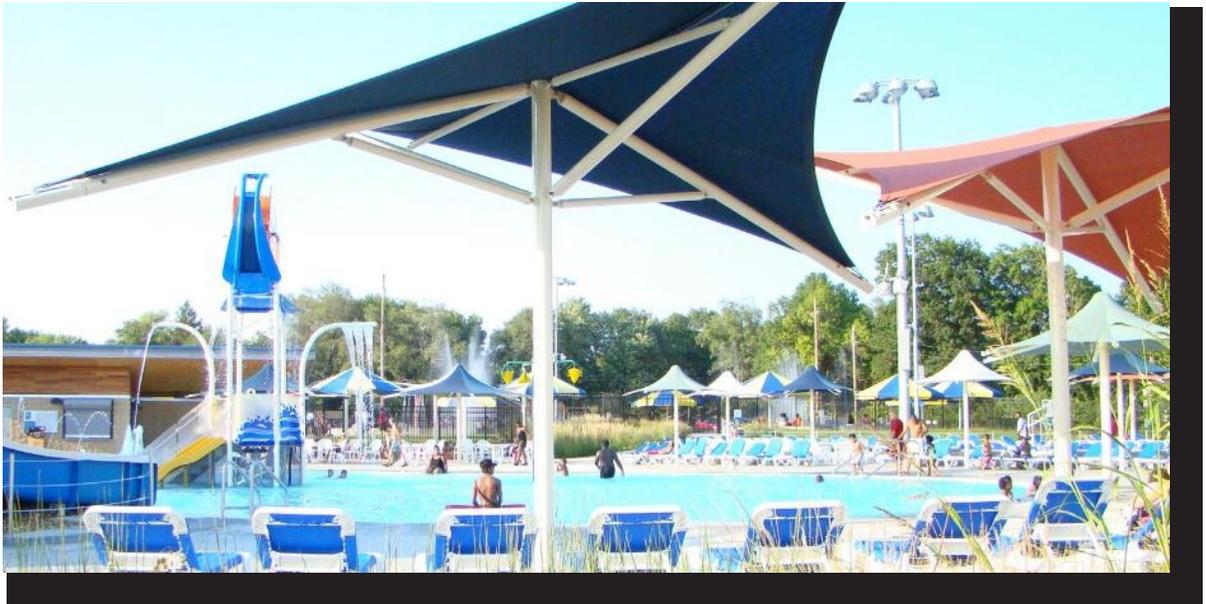


Log Roll
\$5,000 - \$15,000

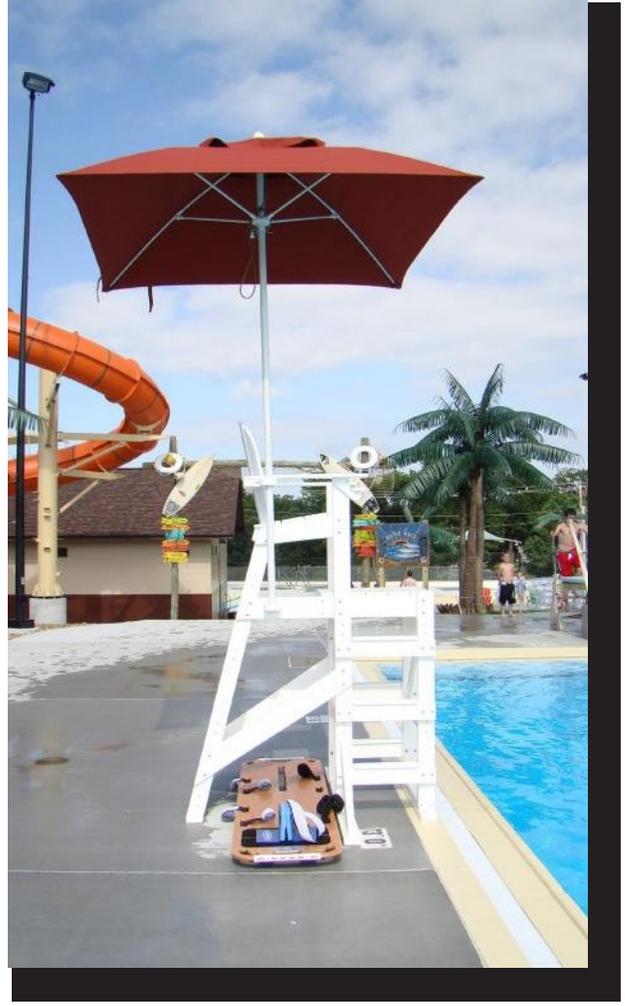


Underwater Therapy Bench

\$10,000 - \$20,000



Sunshade
\$8,000 - \$12,000 each



Lifeguard Chair
\$2,500 - \$6,500 each



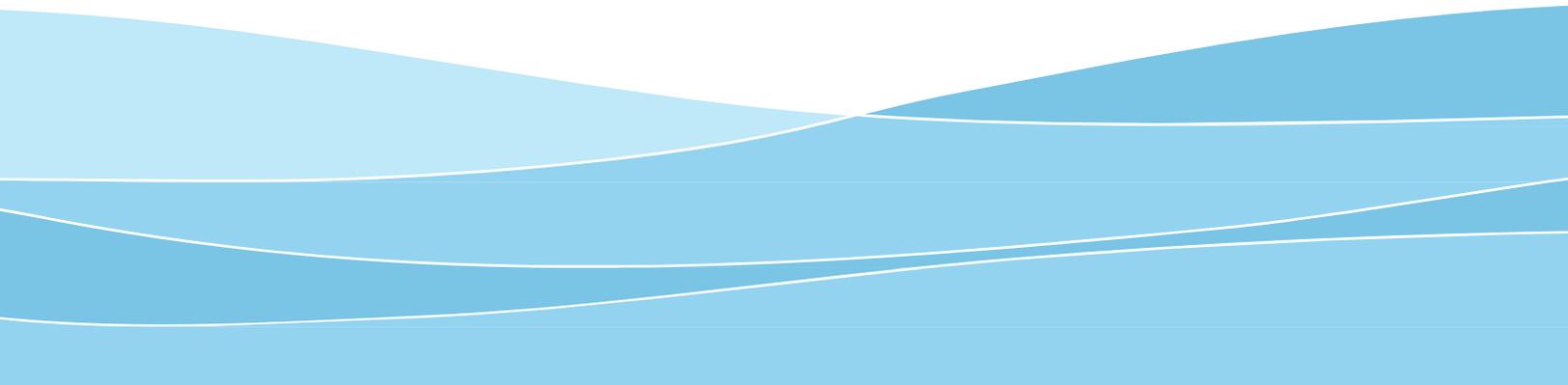
Life Safety Equipment
\$3,500 - \$4,000



Pool Heating System

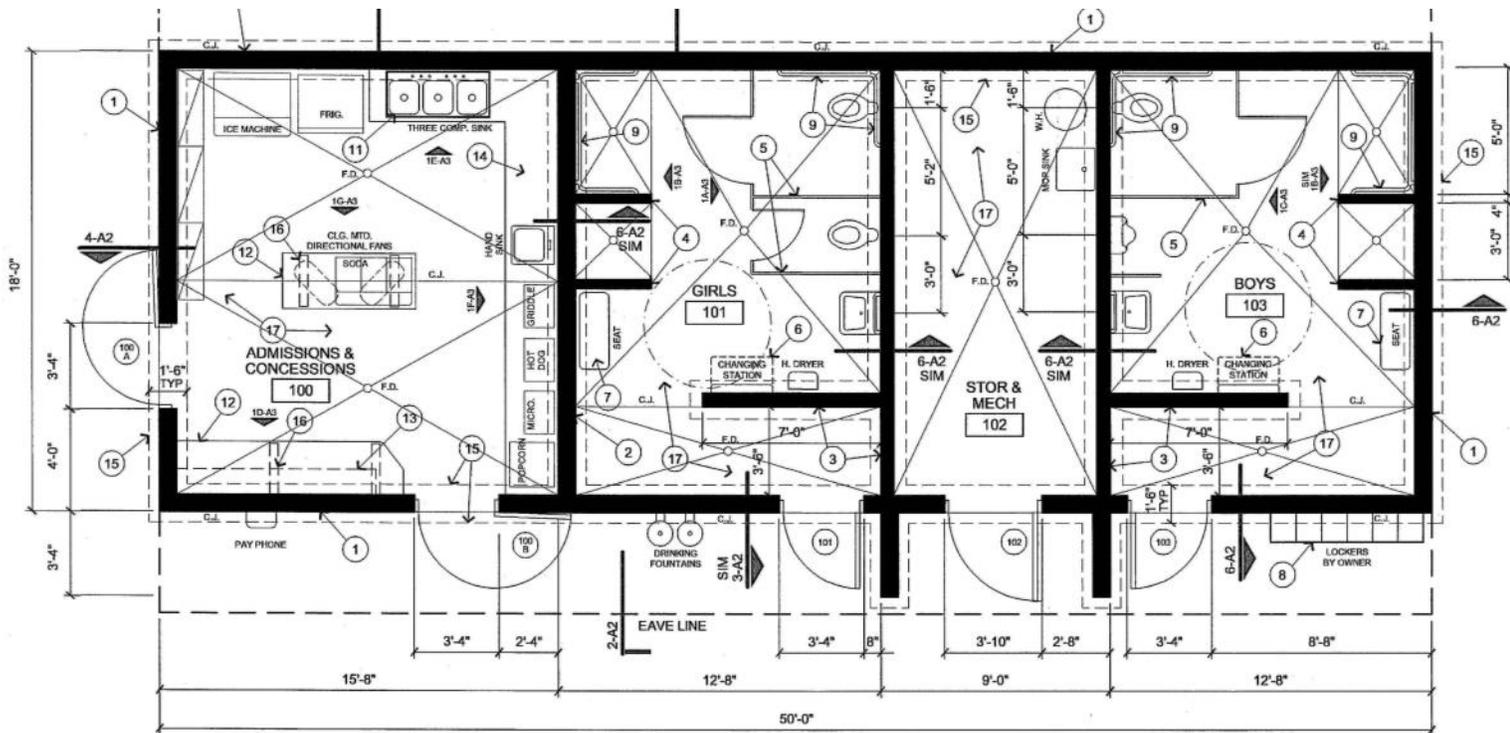
\$40,000 - \$70,000

Architectural Pool Elements



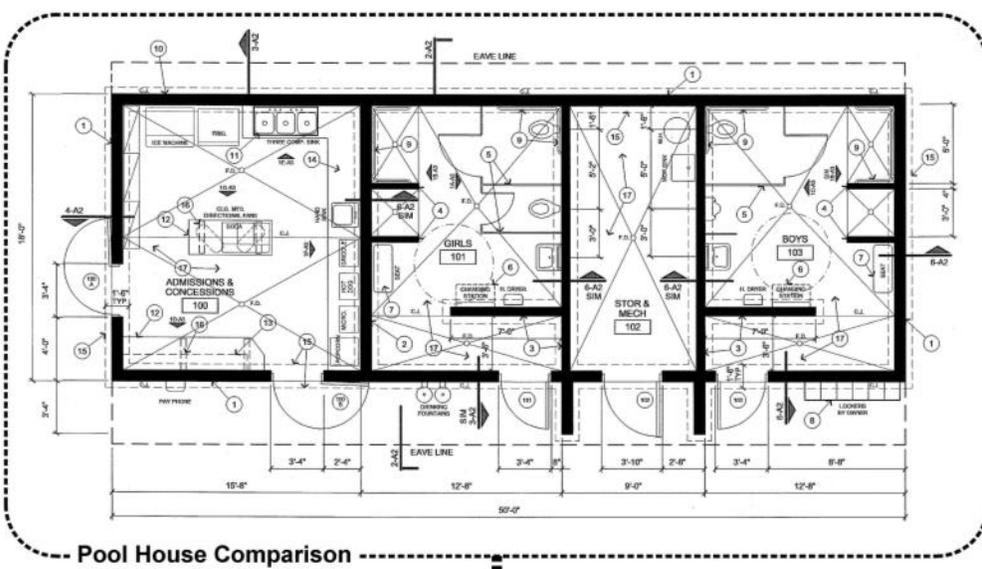
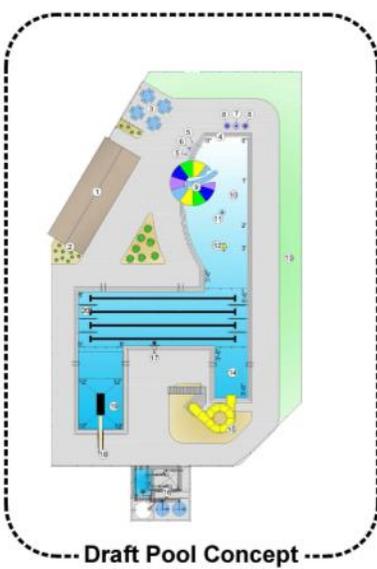


Sun Shade/Concession Area

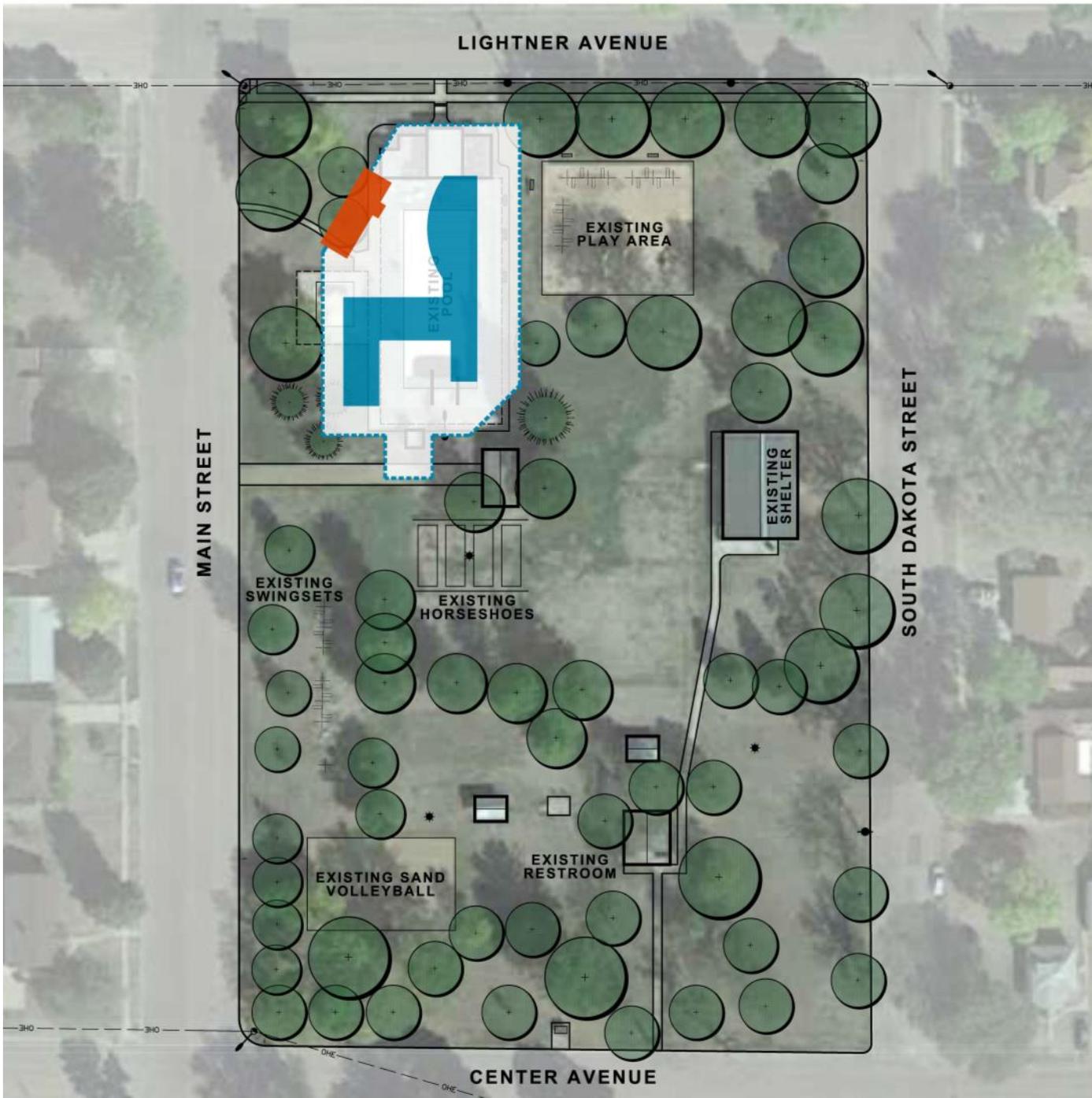


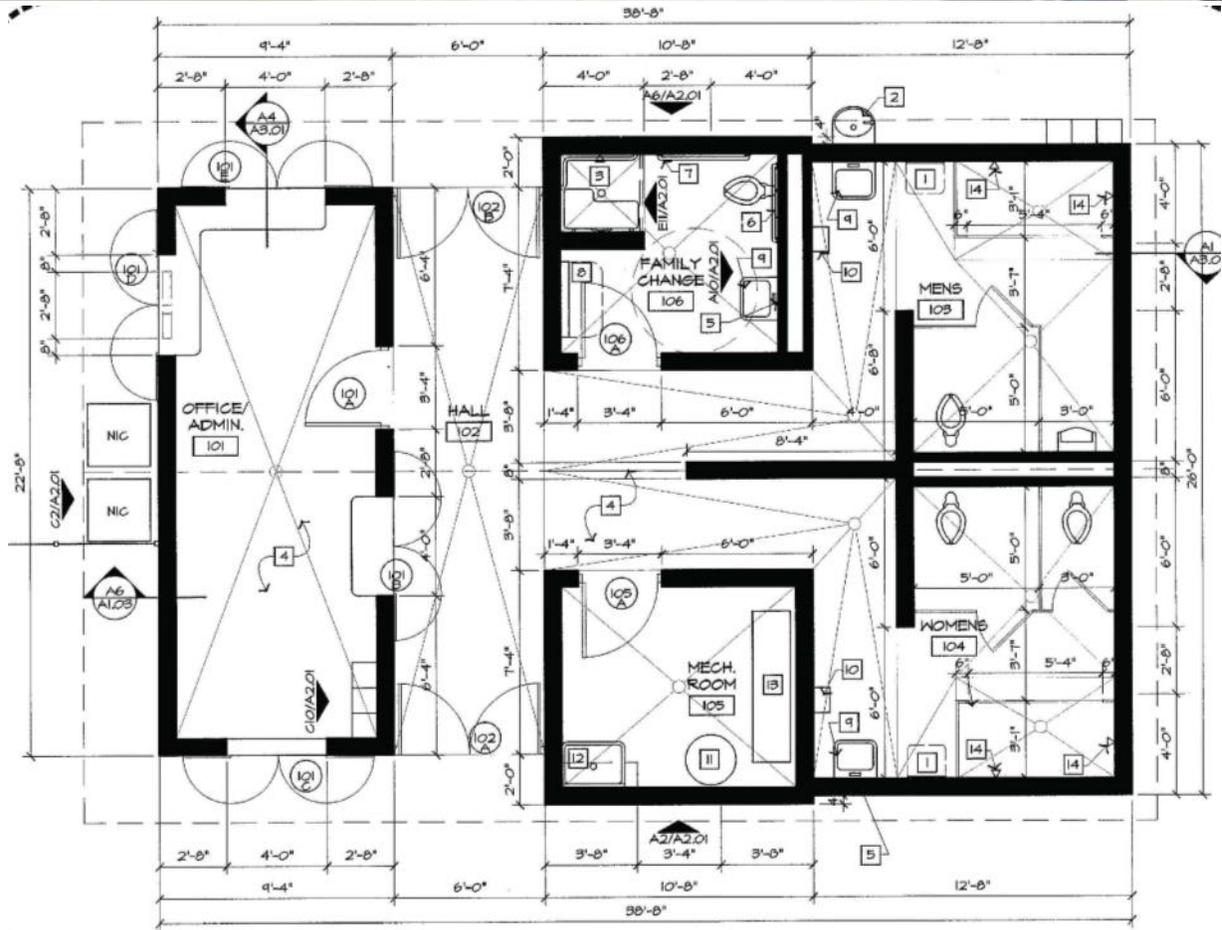
Potential Pool House Type 1
(New: 900 SF)

Potential Pool Plan Program Area & Type 1 Bath House



Existing Pool House: ±1,488 SF
 Proposed Pool House: 900 SF

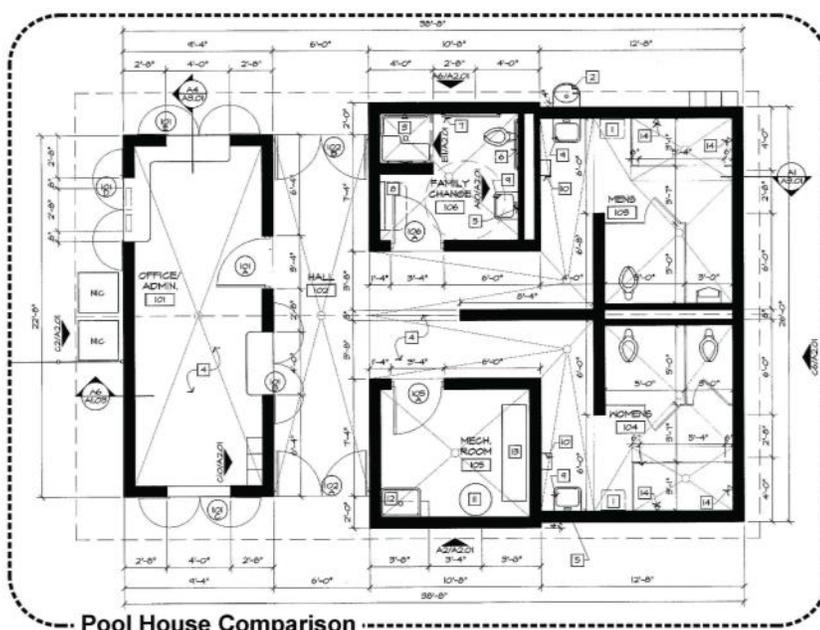




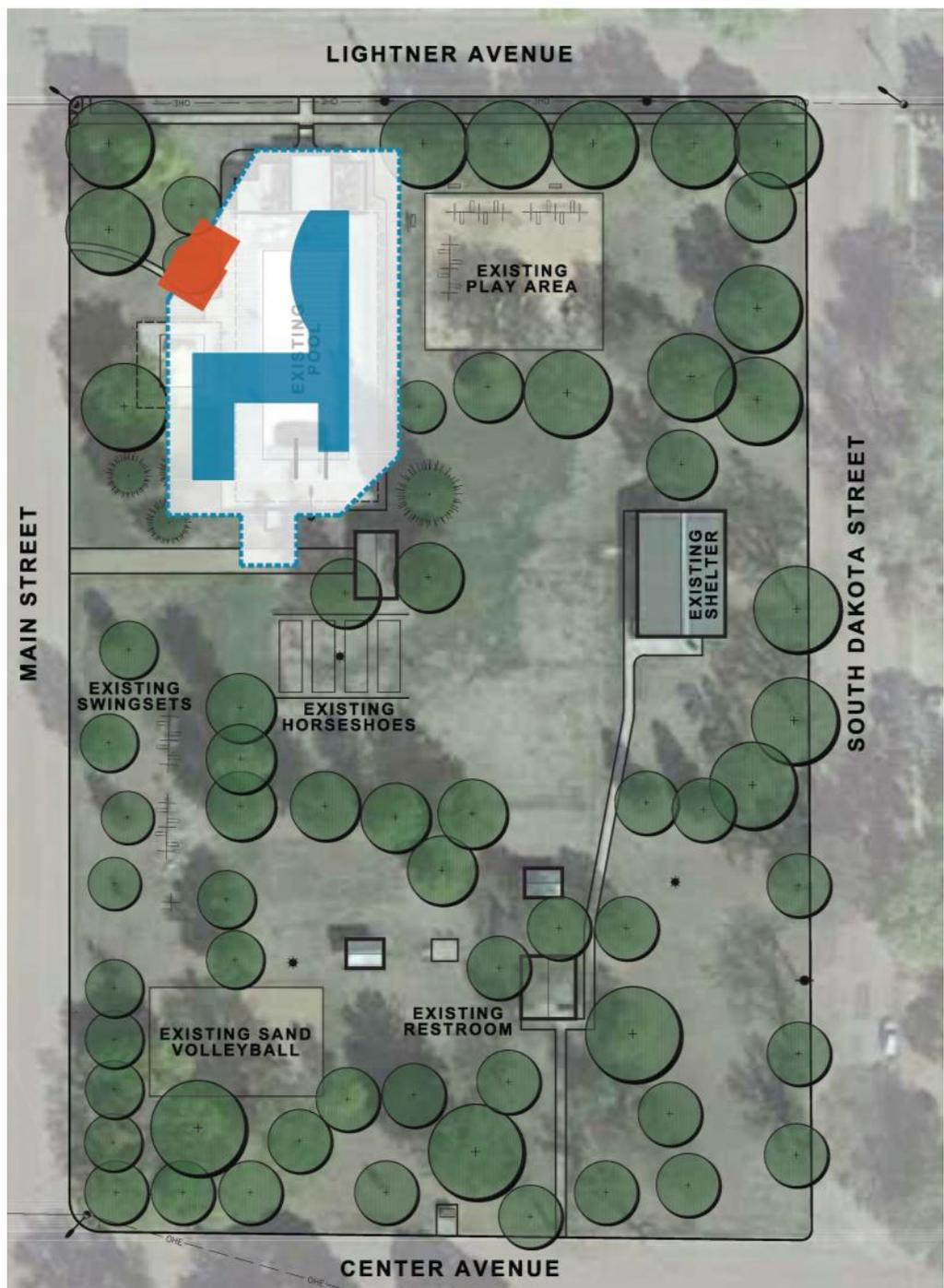
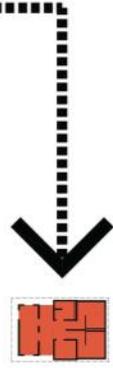
Potential Pool House Type 2

(New: 955 SF)

Potential Pool Plan Program Area & Type 2 Bath House

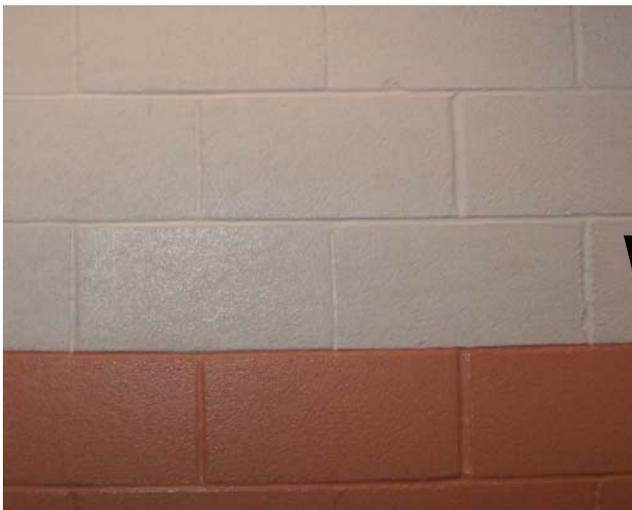


Pool House Comparison
 Existing Pool House: ±1,488 SF
 Proposed Pool House: 954 SF



Potential Pool House Construction Considerations

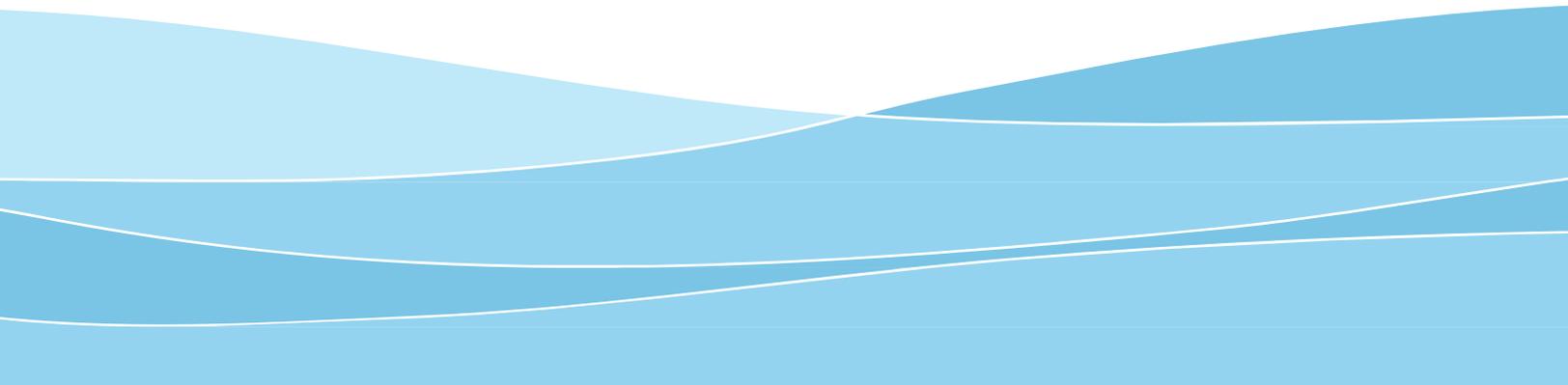
- A typical pool house is constructed from concrete masonry units.
(Average Cost \$255 per SF, 955 SF = ±\$245,000)
- It is comparable to a building that is all bathrooms & kitchen (NOT bedrooms & living room).
- Its always wet and damp. Wood framing & sheetrock don't tolerate the same level of abuse.
- Typical lifespan for a masonry structure like the pool house is a 100 Years versus 50 years or less for a wood framed and sheetrock version.

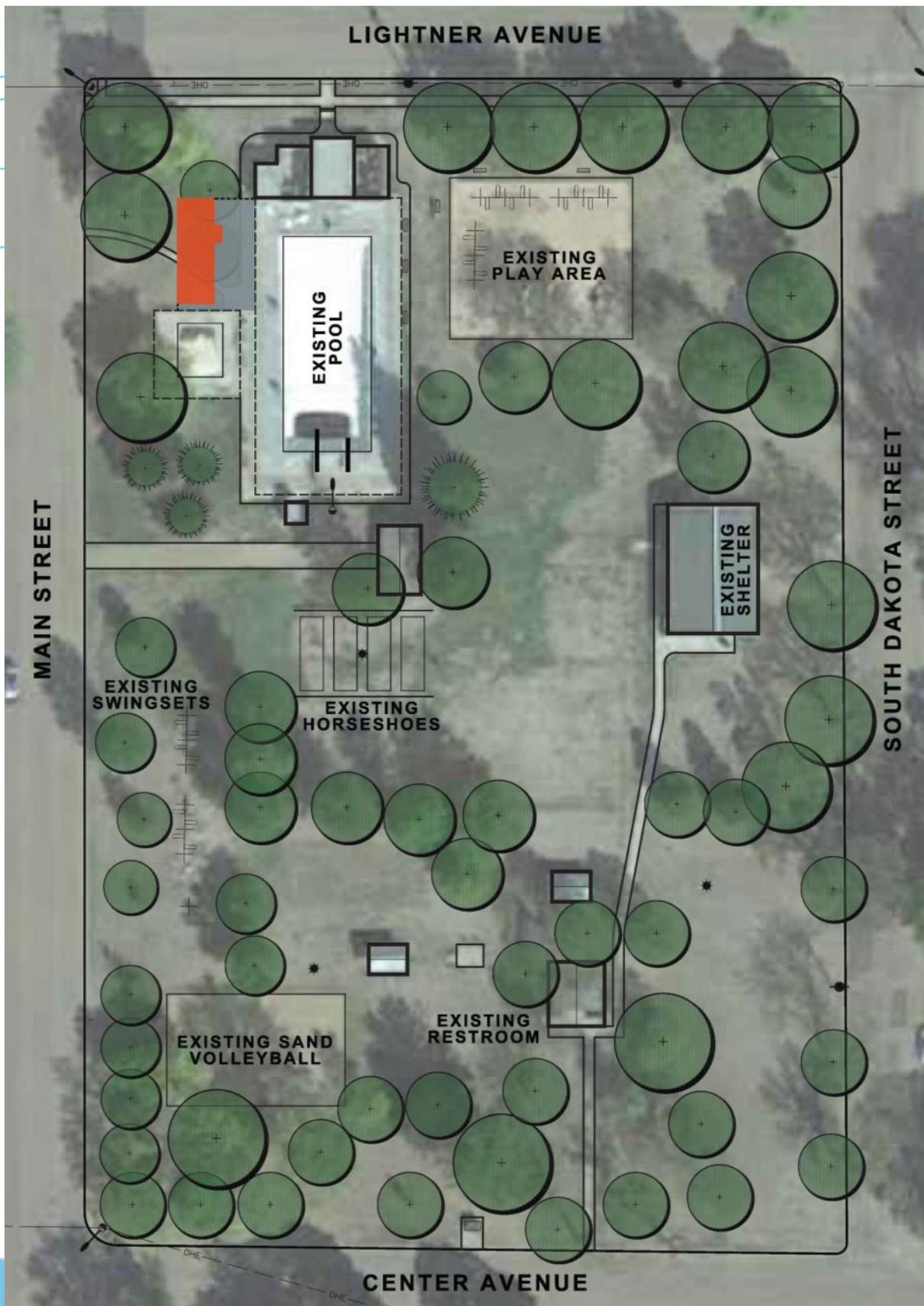


VS



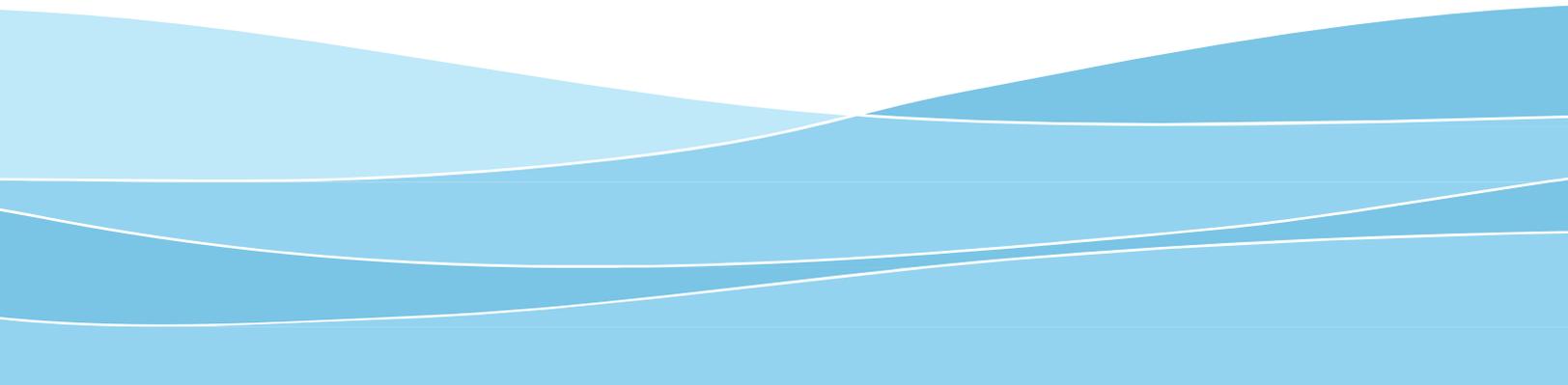
New Pool Building Location





New Pool Building & Existing Pool

Possible Park Improvements - Playground





6 to 23 Months →

2 to 5 Years →

5 to 12 Years →

13+ Years →

Age Based Play



FIBAR Surfacing



Poured In Place Surfacing



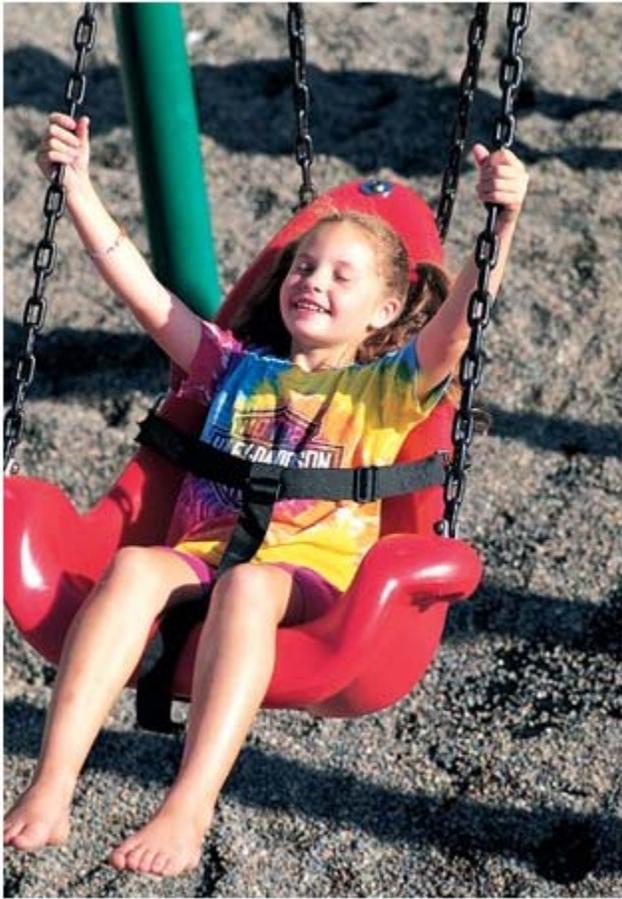
Types of Play Structures



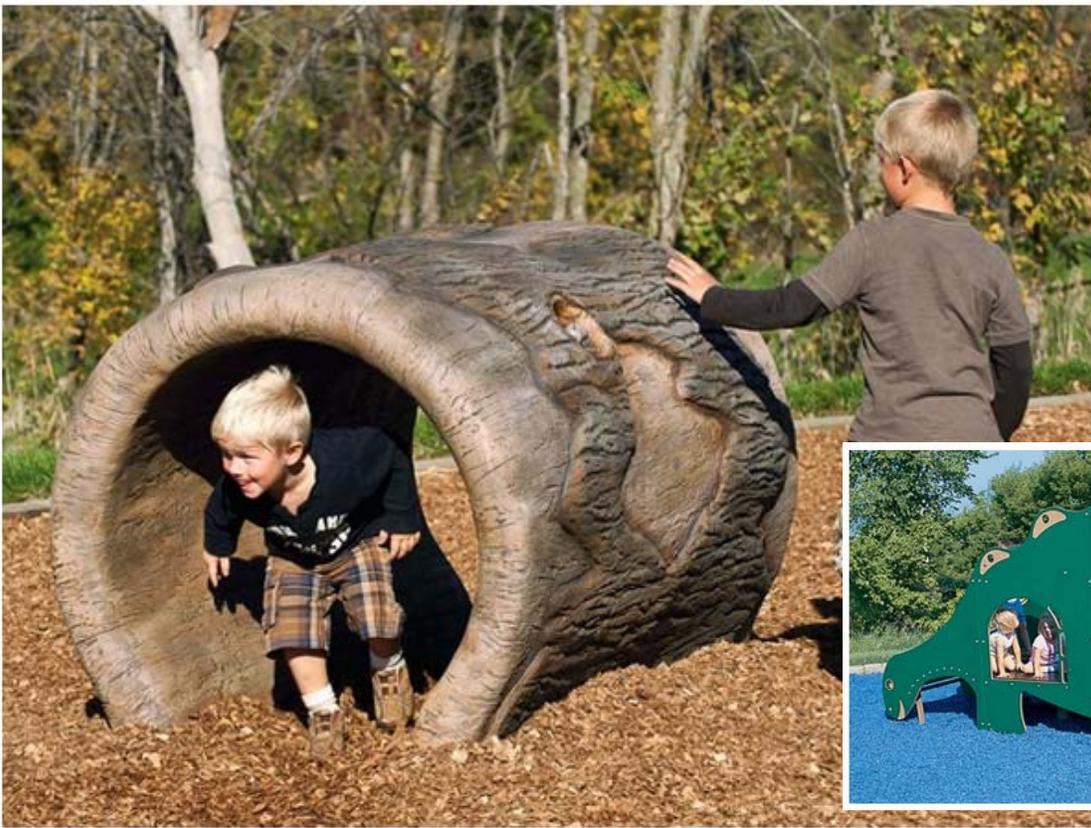
Themed Play Structures



Climbers



Swings & Accessibility



Free Standing Play Elements



Outdoor Fitness Systems