

CITY OF MIAMI SPRINGS

AQUATIC FACILITY
SUPPLEMENTAL INFORMATION
FOR THE JULY 2, 2014 MEETING

July 1st, 2014

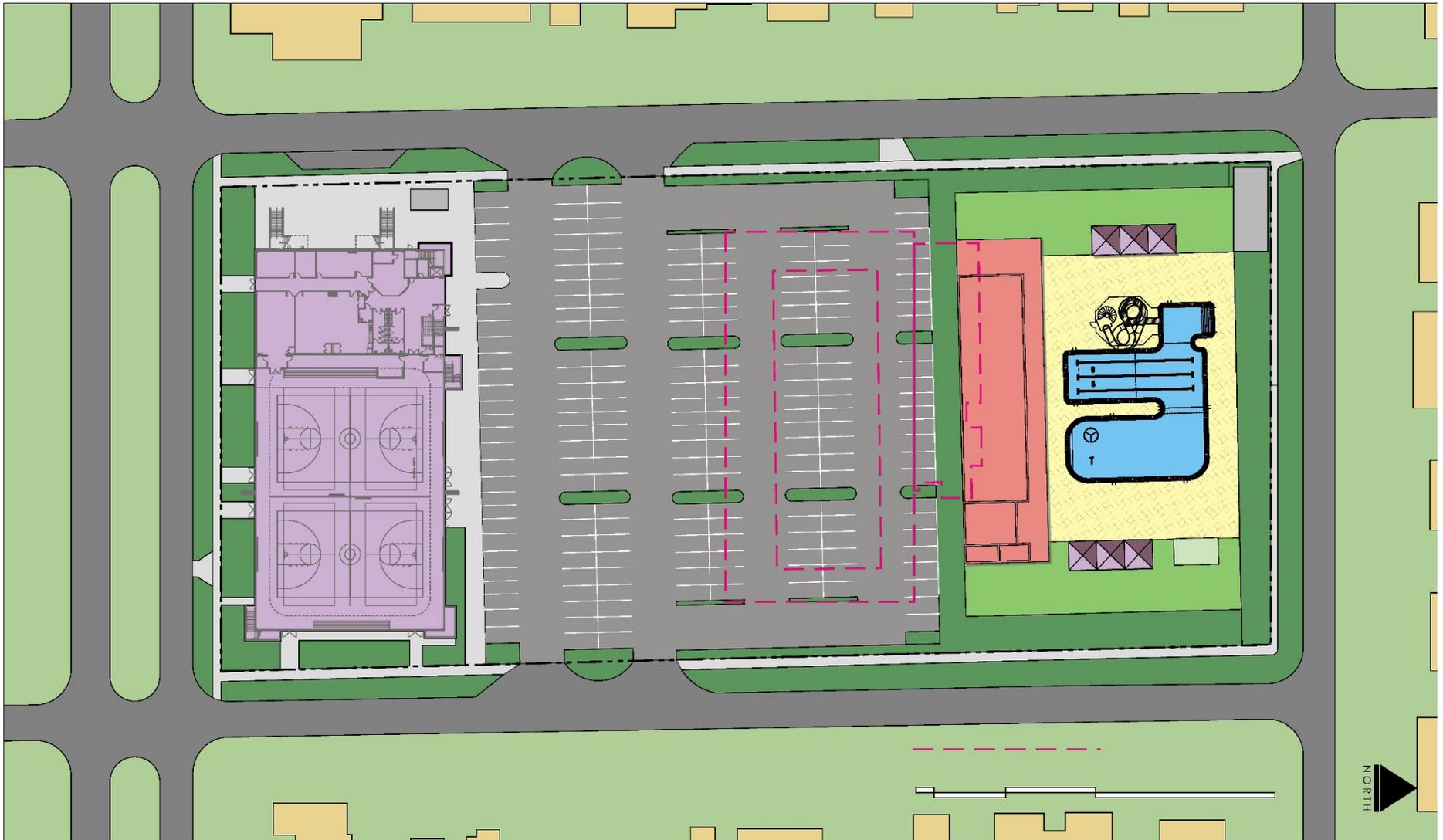


Bermello Ajamil & Partners, Inc.



Aquatic Design Group

OPTION 2



CITY OF
MIAMI SPRINGS

BERMELLO AJAMIL &
PARTNERS INC

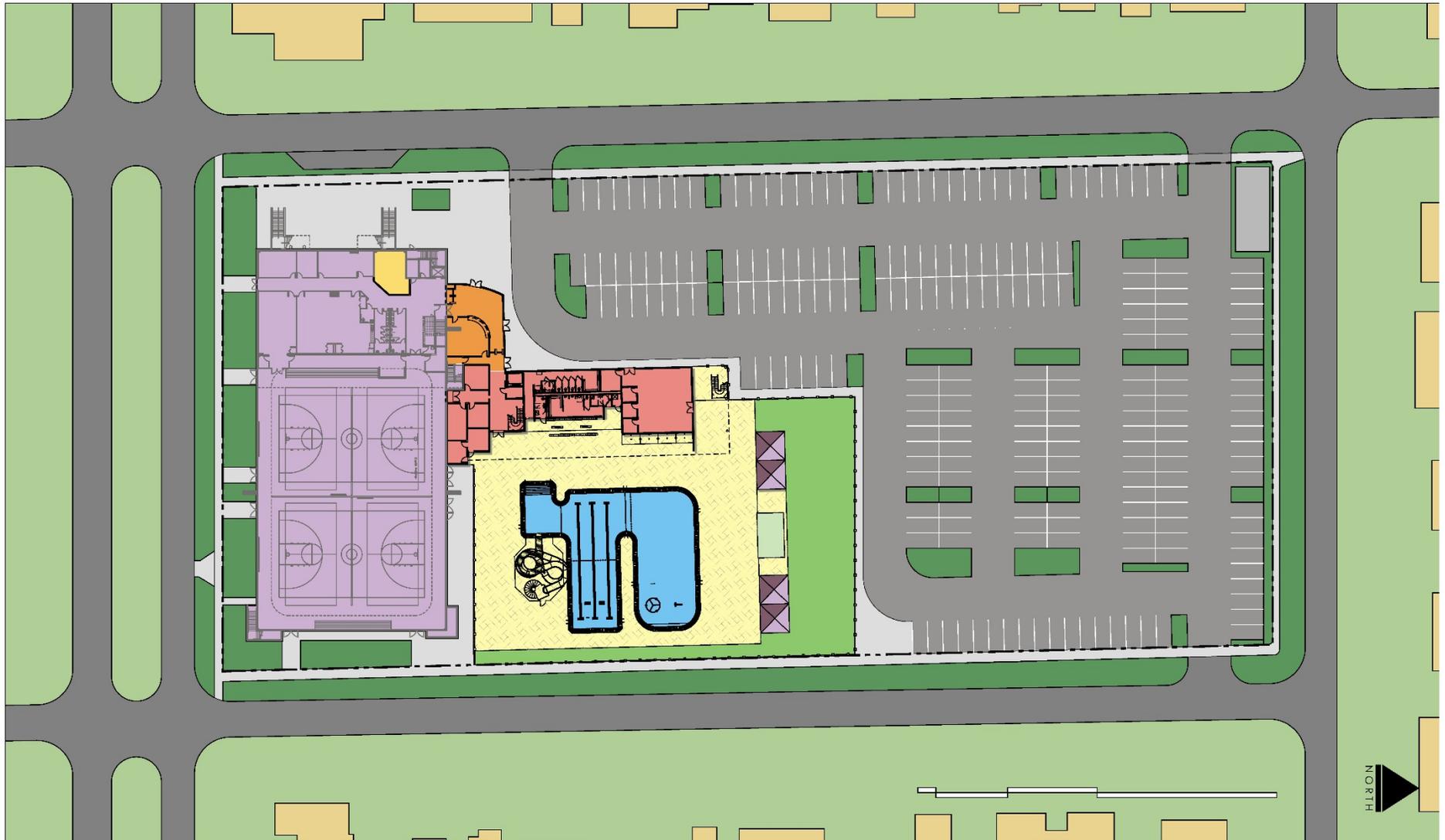


MIAMI SPRINGS AQUATIC FACILITY SITE PLAN CONCEPTS

June 23rd 2014

CONCEPT 2 OVERALL SITE PLAN

OPTION 3



CITY OF
MIAMI SPRINGS

BERMELLO AJAMIL &
PARTNERS INC



MIAMI SPRINGS AQUATIC FACILITY
SITE PLAN CONCEPTS

June 23rd 2014

CONCEPT 3
OVERALL SITE PLAN

SUMMARY OF INFORMATION

The following information has been compiled to assist both City Council and Residents of Miami Springs on the potential opportunities a "hybrid" pool can offer.

What has been compiled includes photographs of:

- *Hybrid Pools that have been constructed in other locations / municipalities to provide imagery on what a hybrid pool can provide and look like.*
- *Elements and Features of the Hybrid Pool including lap lanes, zero / beach entry, play areas, splash areas, slides, climbing features, spray features, etc.*
- *It is important to note that although many features are shown, the Miami Springs Aquatic Facility has a 5 million dollar budget that will determine the final design and features included.*

Miami Springs Existing Pool

MIAMI SPRINGS EXISTING POOL

| | |
|---------------------------------|-----------------------|
| Pool Size: | 9,673 s.f. |
| Proposed Hybrid Pool size: | 5,054 s.f. |
| Water Depth: | 3'-0" – 11'-0" |
| Max. Occupancy allowed by code: | 186 people |
| Proposed Hybrid Pool occupancy: | 160 people (Fla Code) |
| Features: | 7 Lap Lanes Slides |
| Water temperature range: | 78 – 80 degrees |

Built Examples of Hybrid Pools

POOL EXAMPLES

- The pool examples shown are from California, Nevada and Texas which are states that have a more liberal code in regards to pool occupancy thereby generating larger occupant loads.
- Florida is one of the states that has a rather conservative means of calculating occupant load. This is effective when it comes to fixture counts and life safety issues but not for occupancy.

EXAMPLE 1 – DOOLITTLE POOL – LAS VEGAS NEVADA

Location of Pool: Las Vegas, Nevada

Part of: Community Center

Pool Size: 5,655 s.f.

Proposed Hybrid pool size: 5,054 s.f.

Water Depth: From 0' – 12'-0"

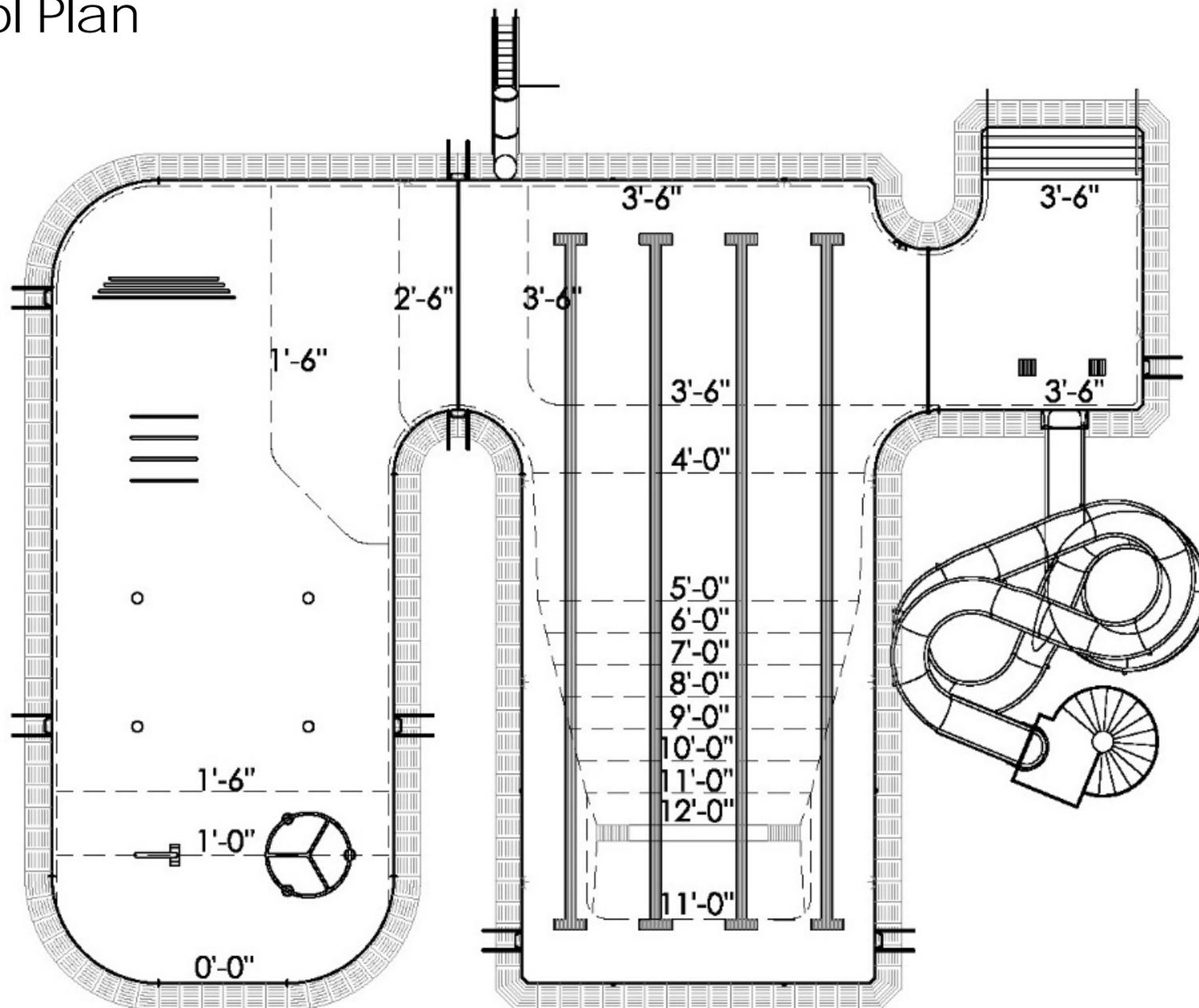
Max. Occupancy allowed by code: 283 people (Nev Code)
160 people (Fla Code)

Features: 4 Lap Lanes Slide Area
Beach edge Active Play Area

Water Temperature range: 84 – 86 degrees

EXAMPLE 1 – DOOLITTLE POOL – LAS VEGAS NEVADA

Pool Plan



EXAMPLE 1 – DOOLITTLE POOL – LAS VEGAS NEVADA



EXAMPLE 1 – DOOLITTLE POOL – LAS VEGAS NEVADA



EXAMPLE 1 – DOOLITTLE POOL – LAS VEGAS NEVADA



As an example of cross-functions for a Hybrid pool, the slide receiving area can be used for swim lessons or aqua aerobics when the slide is not in use.

EXAMPLE 2 – ALLAN WITT POOL – FAIRFIELD CALIFORNIA

Location of Pool: Fairfield California

Part of: Aquatic Complex

Pool Size: 6,363 s.f.

Proposed Hybrid Pool size: 5,054 s.f.

Water Depth: From 1'-6" – 12'-0"

Max. Occupancy allowed by code: 318 people (Cal Code)
191 people (Fla Code)

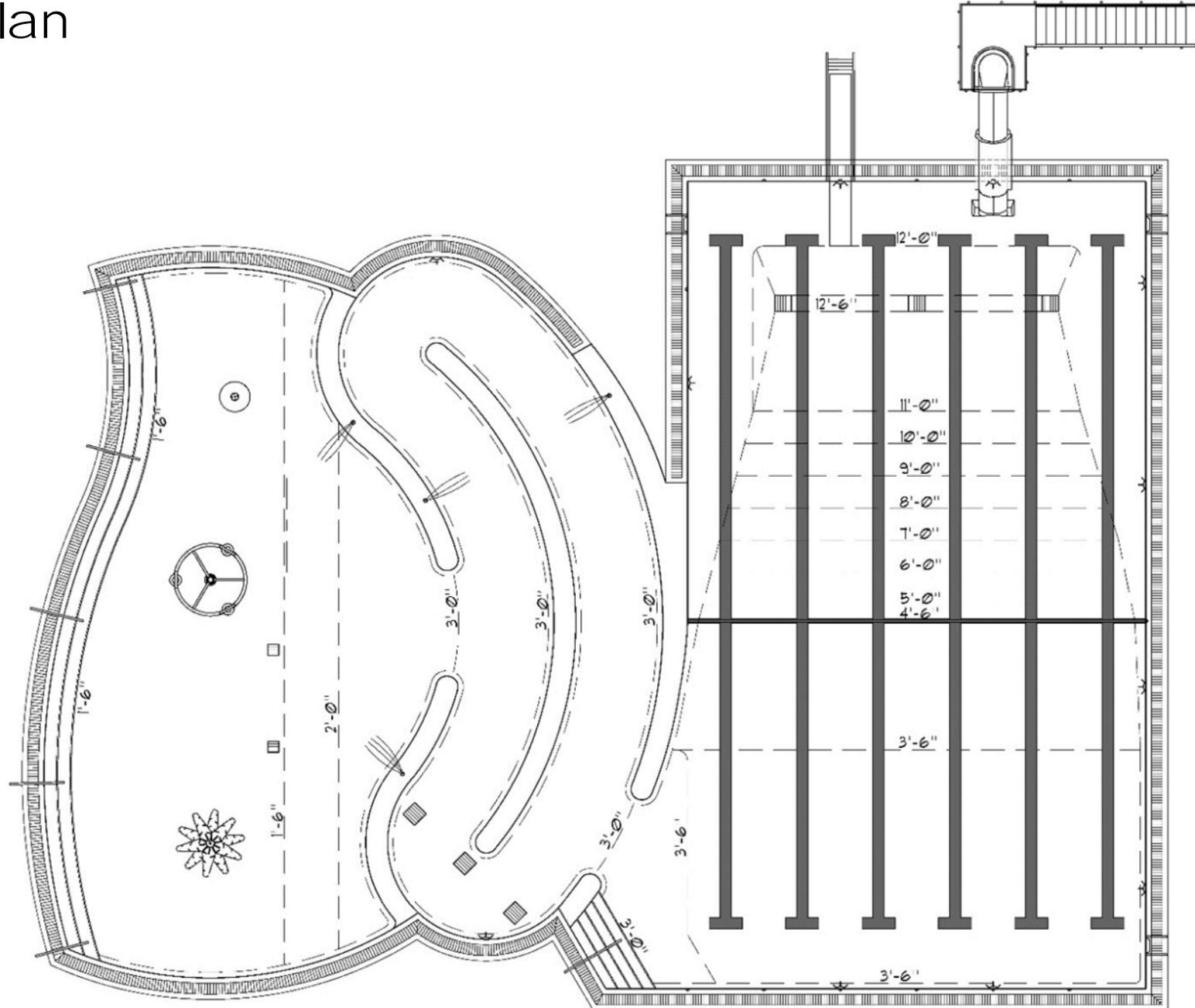
Features: 6 Lap Lanes Active Play Area
Lazy River Slide

Water Temperature range: 84 – 86 degrees



EXAMPLE 2 – ALLAN WITT POOL – FAIRFIELD CALIFORNIA

Pool Plan



EXAMPLE 2 – ALLAN WITT POOL – FAIRFIELD CALIFORNIA



EXAMPLE 2 – ALLAN WITT POOL – FAIRFIELD CALIFORNIA

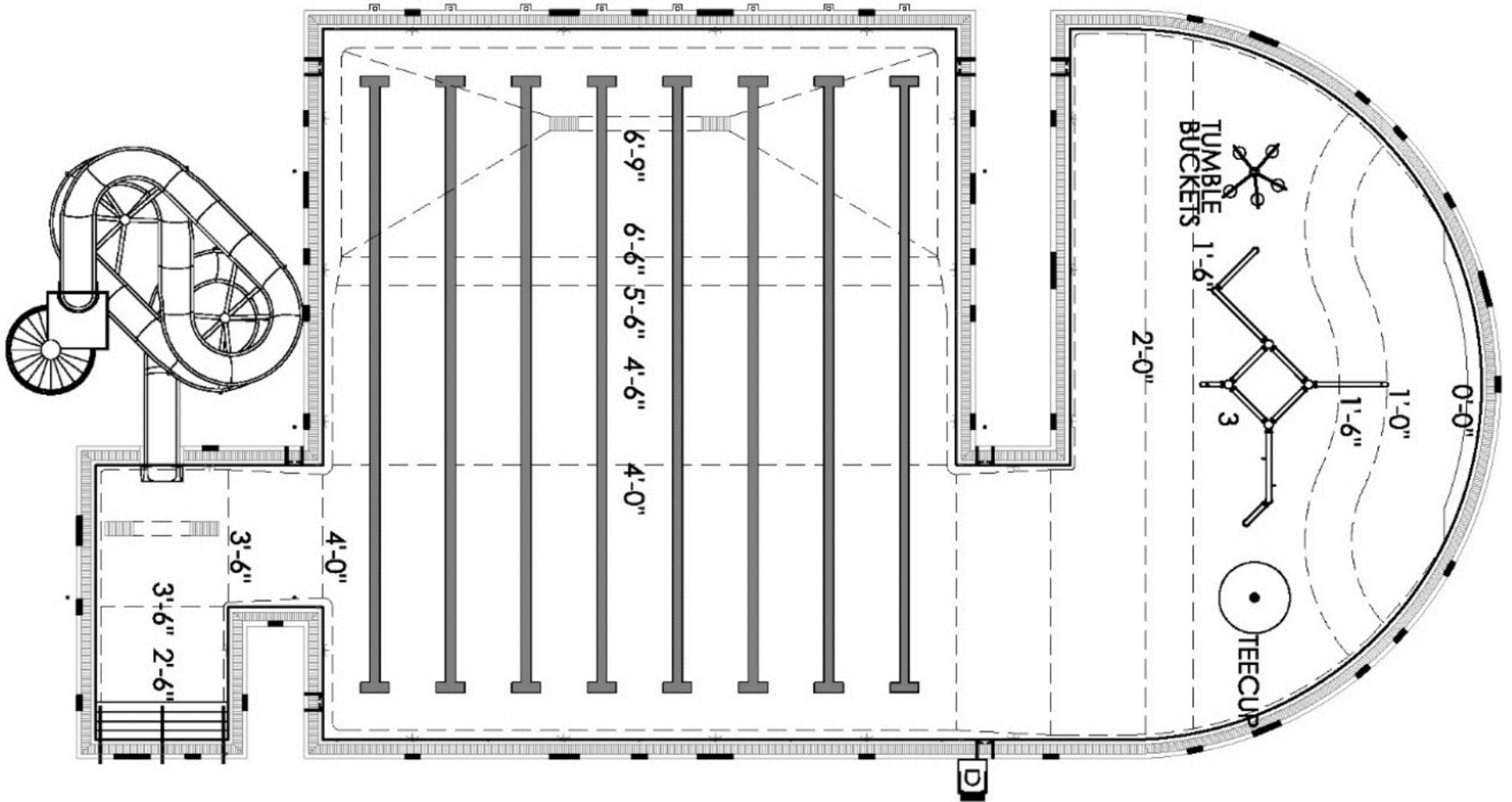


EXAMPLE 3 – PANNELL POOL – SACRAMENTO CALIFORNIA

| | | |
|---------------------------------|---------------------------|--|
| Location of Pool: | | Sacramento California |
| Part of: | | Aquatic Complex |
| Pool Size: | | 8,588 s.f. |
| Proposed Hybrid Pool size: | | 5,054 s.f. |
| Water Depth: | | From 1'-6" – 7'-0" |
| Max. Occupancy allowed by code: | | 283 people (Cal Code) 274 people (Fla Code) |
| Features: | 8 Lap Lanes Beach edge | Slide Area Active Play Area |
| Water Temperature range: | | 84 – 86 degrees |

EXAMPLE 3 – PANNELL POOL – SACRAMENTO CALIFORNIA

Pool Plan



EXAMPLE 3 – PANNELL POOL – SACRAMENTO CALIFORNIA



EXAMPLE 3 – PANNELL POOL – SACRAMENTO CALIFORNIA



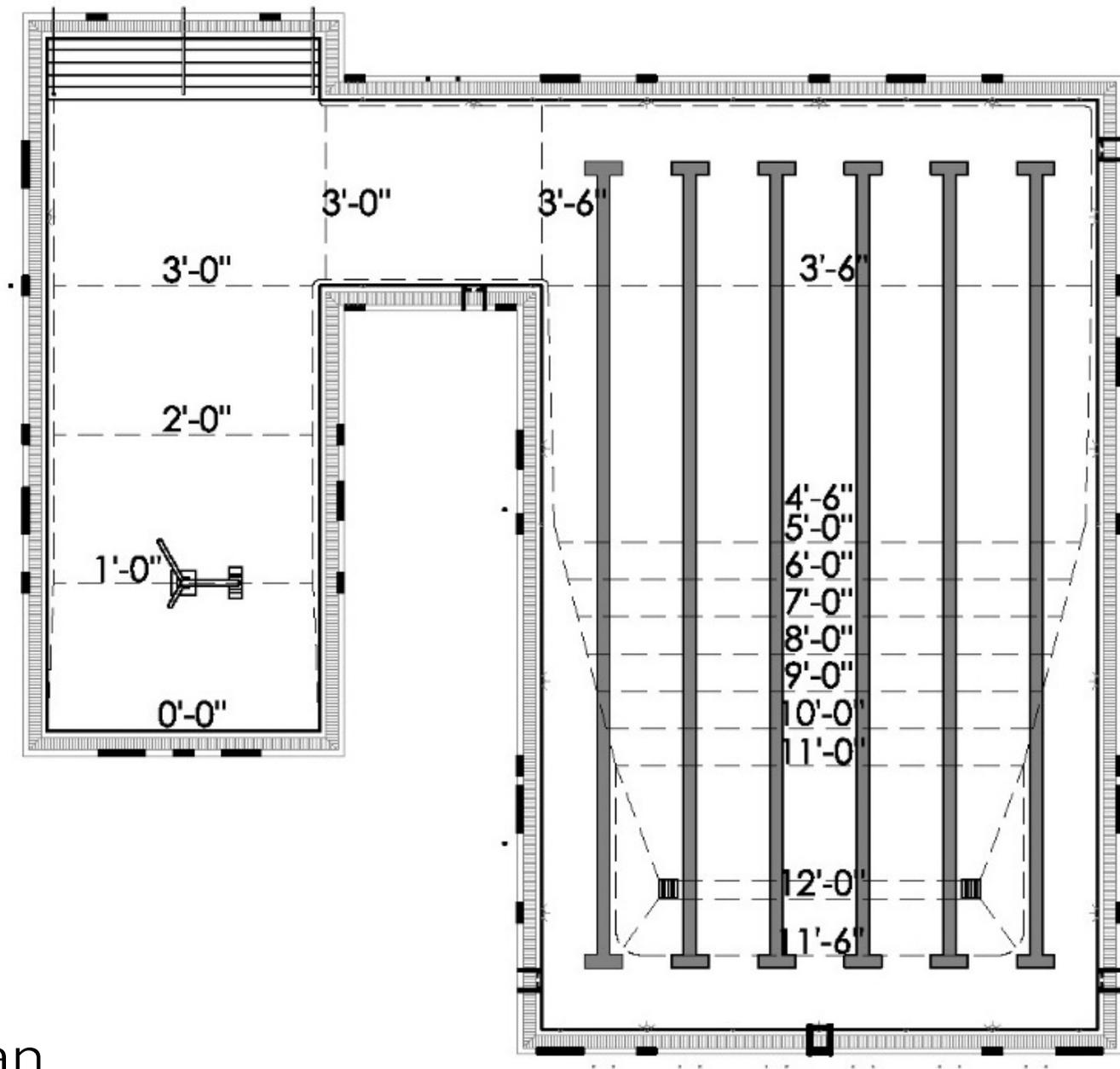
EXAMPLE 4 – PATTERSON POOL – AUSTIN TEXAS

| | |
|---------------------------------|--|
| Location of Pool: | Austin Texas |
| Part of: | Community Pool Facility |
| Pool Size: | 4,880 s.f. |
| Proposed Hybrid Pool size: | 5,054 s.f. |
| Water Depth: | From 3'-0" – 12'-0" |
| Max. Occupancy allowed by code: | 244 people (Tex Code) 129 people (Fla Code) |
| Features: | 6 Lap Lanes Active Play Area |
| Water temperature range: | 84 – 86 degrees |

EXAMPLE 4 – PATTERSON POOL – AUSTIN TEXAS



EXAMPLE 4 – PATTERSON POOL – AUSTIN TEXAS

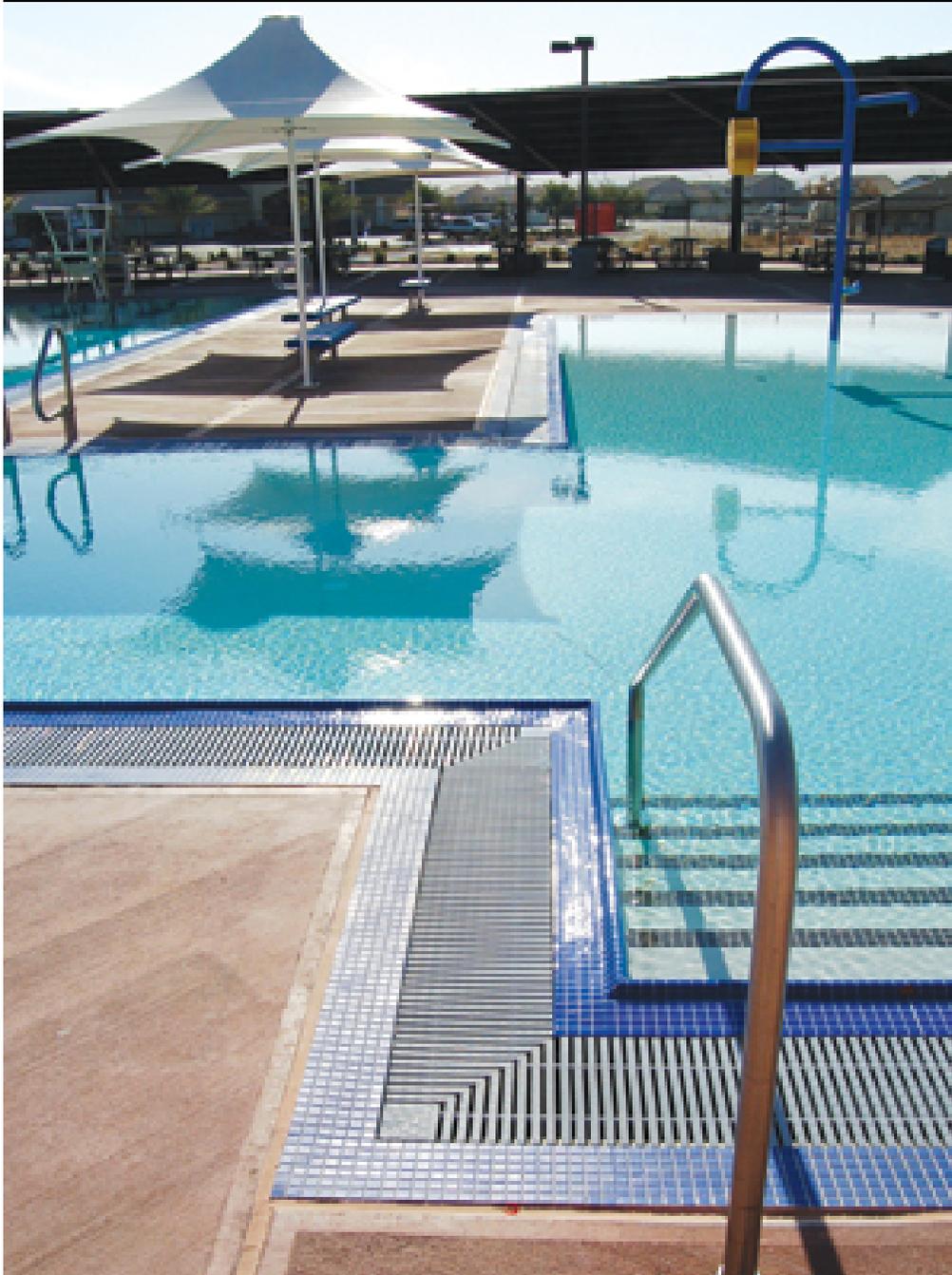


Pool Plan

EXAMPLE 4 – PATTERSON POOL – AUSTIN TEXAS



EXAMPLE 4 – PATTERSON POOL – AUSTIN TEXAS



Pool Comparison

| | Miami Springs (Existing) | Doolittle | Allan Witt | Pannell | Patterson |
|--------------------|-------------------------------------|---|--|--|-------------------------------|
| Location | Florida | Nevada | California | California | Texas |
| Pool Size | 9,673 s.f. | 5,655 s.f. | 6,363 s.f. | 8,588 sf | 4,880 s.f. |
| Water Depth | 3'-0" - 11'-0" | 0' - 12'-0" | 1'-6" - 12'-0" | 1'-6" - 7'-0" | 3'-0" - 12'-0" |
| Occupancy | 186 (Fla) | 283 (Nev) | 318 (Cal) | 283 (Cal) | 244 (Tex) |
| Occupancy | 186 (Fla) | 160 (Fla) | 191 (Fla) | 274 (Fla) | 129 (Fla) |
| Features | 7 Lap Lanes Slide | 4 Lap Lanes Slide Area Beach Edge Act. Play Area | 6 Lap Lanes Slide Lazy River Act. Play Area | 8 lap lanes Slide Beach Edge Act. Play Area | 6 Lap Lanes Act. Play Area |

Proposed Hybrid Pool

Pool Size 5,054 s.f.
 Occupancy 160 occupancy

If same pool was in Texas or Nevada, the occupancy would be between 250 and 275

Hybrid Pool Aquatic Programs

- Recreation Swim
- Fitness Classes
- Lap Swimming
- Instructional Swimming
- Red Cross Life Saving Certification
- Kayaking Lessons
- Scuba Lessons
- Birthday Party Rentals
- Movie Night
- 1-meter Spring Board Diving

As an example of cross-functions, the slide receiving area can be used for swims lessons or aqua aerobics when the slide is not in use.

Features and Elements

FEATURES AND ELEMENTS



Themed Splash Area



Active Splash / Play Area



Themed Splash Area



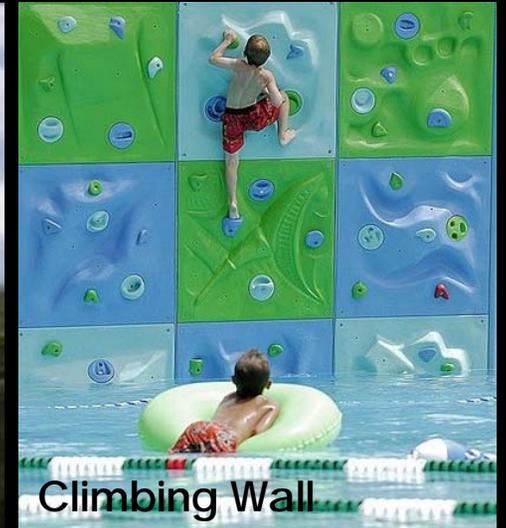
Splash Buckets

FEATURES AND ELEMENTS

Themed Splash / Water Jet Play Area



FEATURES AND ELEMENTS



FEATURES AND ELEMENTS



Slide



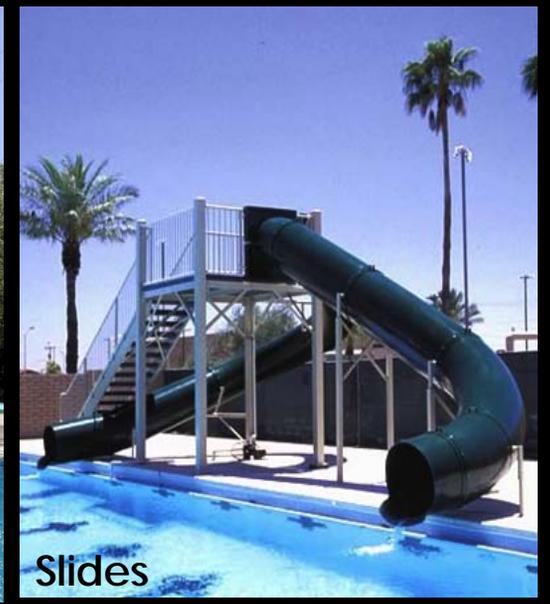
Slides



Slides



Slide



Slides

Features and Elements - Estimated Costs

- Pool Slide \$80,000 to \$180,000
- Drop Slide \$65,000 to \$80,000
- Tumble Buckets \$15,000 to \$20,000
- Palm Tree \$12,000 to \$15,000
- Raindrop \$8,000 to \$12,000
- Rain Bar \$10,000 to \$14,000
- Water Cannons (4) \$28,000 to \$32,000
- Diving Board \$15,000 to \$20,000
- Interactive Play Structure \$30,000 to \$200,000