



ARBUCKLE & PIERCE JUSD

Community Recreation
Aquatic Center
Competition Swimming
Water Polo

DECISIONS FOR THE NEXT 70-YEARS

ARBUCKLE	2020 POPULATION	GROWTH SINCE 2010	ARBUCKLE MEDIAN AGE	CALIFORNIA MEDIAN AGE	NATIONAL MEDIAN AGE	ARBUCKLE Families with Children under 15-	CALIFORNIA Families with Children under 15-	USA Families with Children under 15-
	3,809	25.79%	30.7	36	37	65%	46%	43%

- Existing Pool is 70-years old (it leaks and is failing)
- A new Pool is needed to serve the community for the next 70-years
- **What will this new facility look like?**
- We wish to serve our high school students (439 currently 9-12)
- We wish to serve our community (3,809 plus 25+ mile draw)
- We wish to teach our kids to swim, to help them be safe.
- We wish to provide opportunities for our kids – at college, to lifeguard, to be healthy and well, and swim safe parents.
- We are a **Young Community** – younger than the state average.
- We are a **Growing Community** – faster than the state average.
- Do we wish to generate revenue from recreation?

	PERSONS UNDER 18- YEARS
COLUSA CO	27.1
SUTTER CO	25.8
CALIFORNIA	22.5
USA	22.3

TYPES OF AQUATIC PROGRAMMING



IDENTIFYING AQUATIC PROGRAMS

Organized Water Sports

- Swim Teams
- Water Polo Teams
- Diving Teams

Lap Swimming – Fitness

Swimming Instruction – Learn-to-Swim

Recreation Swimming

- Pre-teen, teen, adult, elderly

Community Activities

- Parties / Social Functions / Rentals / Corporate

Water Safety Lifesaving

Organized Water Exercise / Water Aerobics / Water Therapy



HS COMPETITIVE AQUATIC PROGRAMS

- Swim Teams
 - Competition
 - Training
- Water Polo Teams
 - Competition
 - Practice
- 1m Springboard Diving
 - Competition
 - Practice

Spectator Seating – 100-150

- Often a different orientation for swimming and diving to the water polo course.



HS COMPETITIVE AQUATIC PROGRAMS

WATER DEPTH

Water Depth of 7'-0" preferred

- Starting Block minimum USA swimming depth requirement 6'-0" for teaching starts
- Water Polo recommended minimum depth requirement 2-meters

Water Depth of 11'-0"

- Minimum for 1-meter spring-board diving
- 11'-6" preferred



RECREATION AQUATIC PROGRAMS

WATER DEPTH

Water Depth of 2'-0" to 3'-6"

- Learn to Swim
 - Young children need to be able to touch the bottom of the pool

Water Depth of 3'-4" to 5'-0"

- Recreation swimming
- Water Aerobics
- Water Therapy
- Events — parties



HS COMPETITIVE AQUATIC PROGRAMS

WATER TEMPERATURE

Water Temperatures

- 78 to 82 degrees

The cooler water temperatures are important to the athlete's body being able to complete high energy workouts and competition schedules without the body over heating.



RECREATION AQUATIC PROGRAMS

WATER TEMPERATURE

Water Temperatures

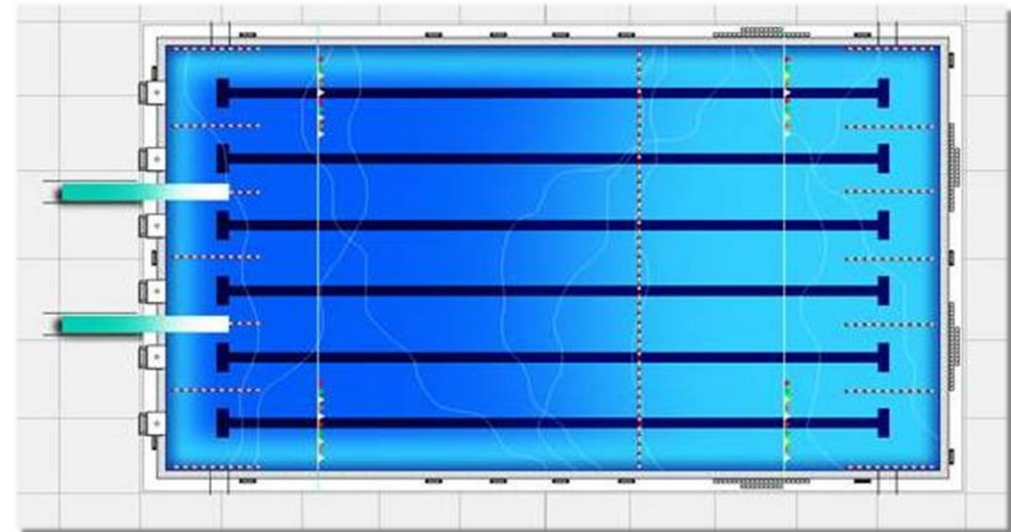
- 87 to 95 degrees

The warmer water temperatures are important to the recreation swimmer's body being able to maintain body temperature for periods immersed in the water without the body temperature lowering into hypothermia conditions.



COMPETITION SWIMMING POOL

- Minimum Options
 - Length - 25-yards
 - Widths – 45'-0" w/ 6 Swimming lanes
 - Minimum NFHS Water Polo course
 - Seasonal or Year around
- Pool Orientation
 - North to South for water polo
- Spectator Seating
 - Swimming
 - Water Polo
 - 1-meter Springboard Diving

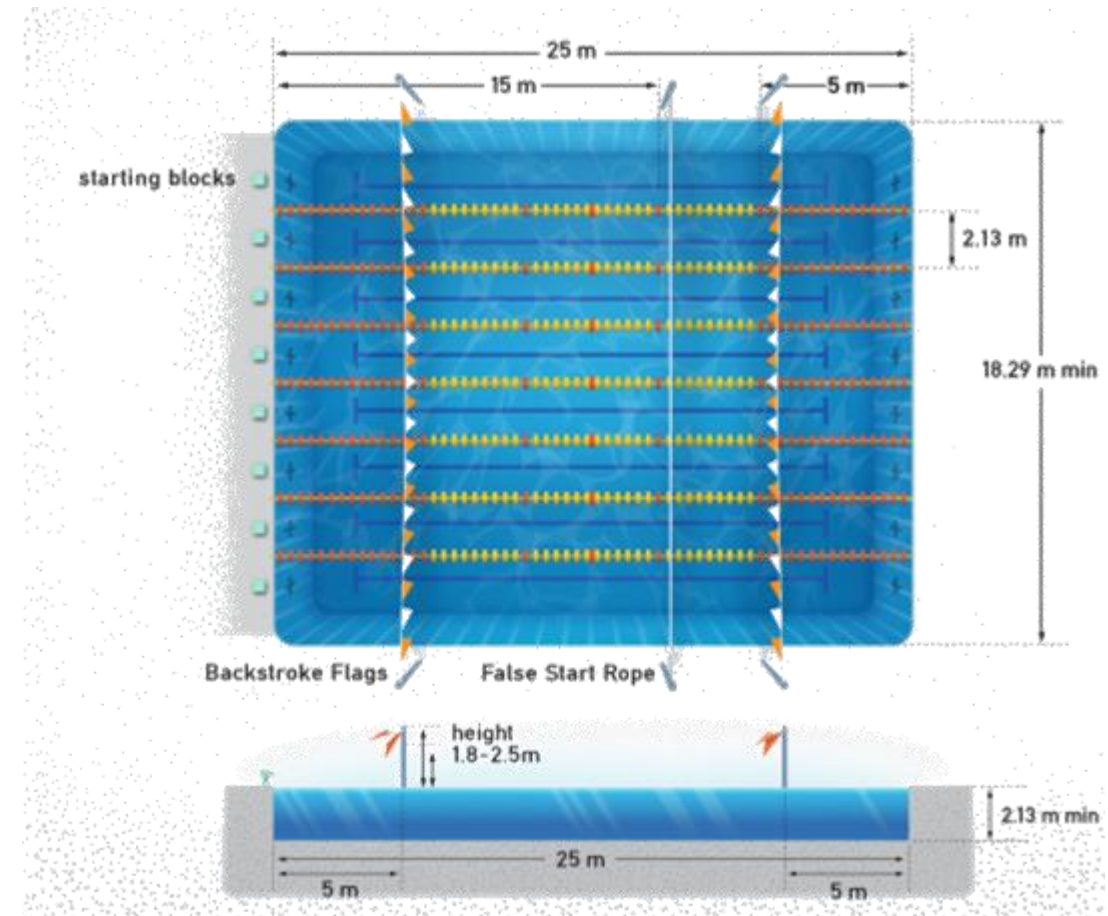


COMPETITION SWIMMING POOL

- Prime Option:
 - Length – 25-meters
 - Widths – 25-yards, 8 swimming lanes
 - 20-meter NFHS water polo course
 - Seasonal or year-round

- Pool Orientation
 - North to south for water polo

- Spectator Seating
 - Swimming
 - Water polo



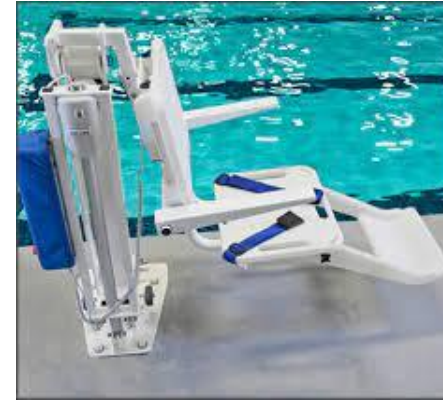
AQUATIC RECREATION CONSIDERATIONS

- Things to Consider:
 - Lesson Programs - revenue
 - Recreations Swim - revenue
 - Therapy Programs - revenue
 - Parties and Events - revenue
- Seasonal or Year Around
- Pool Depths / Water Temperatures
- Water Features
 - Interactive
 - Slides
- Spectator Shade
- Amenities
 - First aid
 - Operations / staffing



ACCESSIBLE DESIGN

- Primary Means
 - Stairs (22" Max between the rails)
 - Lifts – Min & Max Depths
- Secondary Means
 - Lifts – Min & Max Depths
 - Stairs (22" Max between the rails)



DESIGN CONSIDERATIONS AND CHOICES

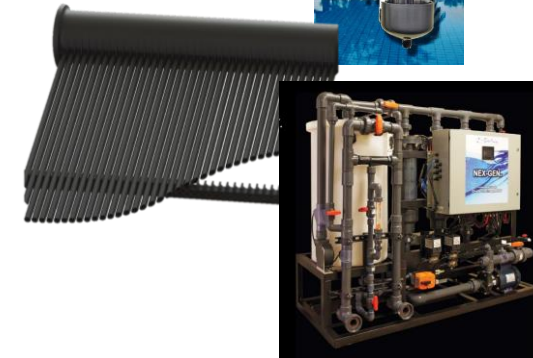
- One or Two bodies or water
 - 1 Competition Pool for HS Swimming & Water Polo
 - or
 - 1 Competition Pool and 1 Seasonal Recreation Pool
- Ambient Daytime Temperatures – summer
- Revenue Opportunities – summer
- Single use from September through May – 82 deg
- Recreation use – May through August – 86 to 88 deg
- Is the depth or the HS competition pool useful for community aquatic recreation?
- Closing one pool through a season and operating only one pool at a time
- Bathroom – fixture and fitting counts

SUPPORT SPACE REQUIREMENTS

- Bathhouse Fixtures and Fittings
 - One pool user shall be considered for every 15-sq.ft. (1.39 m²) of water surface area and/or spray ground splash zone area
 - One shower shall be provided for every 50 pool users.
 - Separate toilet facilities shall be provided for each sex. An additional family-use facility is recommended.
 - One toilet shall be provided for every 60 women or less.
 - one toilet plus one urinal for every 75 men or less.
 - One lavatory (sink) shall be provided for every 80 pool users.
- Control Office, Lifeguard and First Aid Area
- Storage
 - Learn-to-swim accessories
 - Lifeguard accessories – spine board, rescue belts etc.

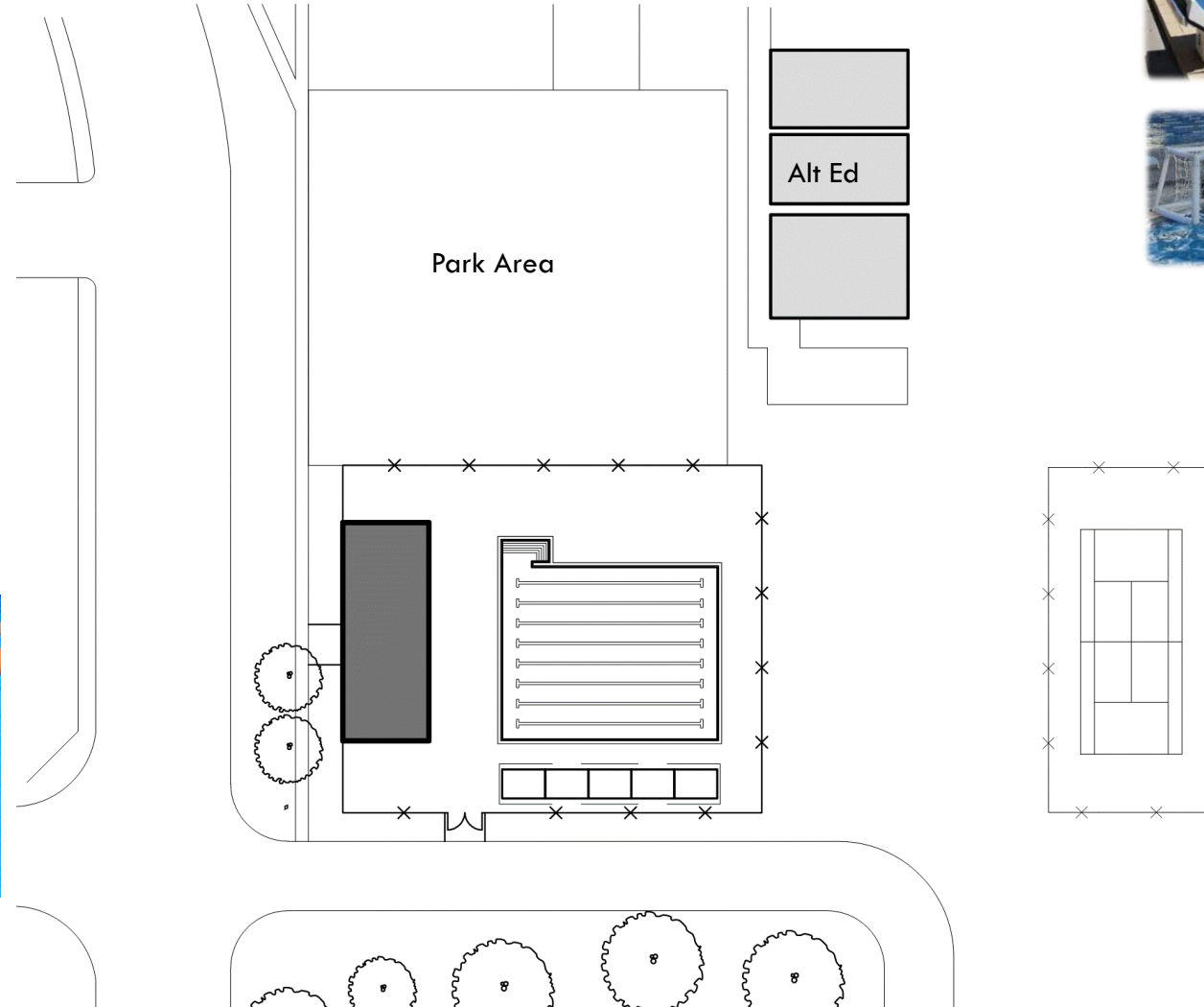
SUPPORT SPACE REQUIREMENTS

- Outdoor accessible storage required
 - Pool Covers
 - Lane Line Reels
- Pool Mechanical and Sanitization
 - A separate system is required for each body of water
 - Filtration, pumps, heaters, controller
 - Sanitization
 - Sodium Hypochlorite / Calcium Hypochlorite
 - Muriatic Acid
 - Sanitization supplemental options
 - On-site generation from saline with backup
 - Alternative heating supplemental options
 - Tubular solar heating collector panels



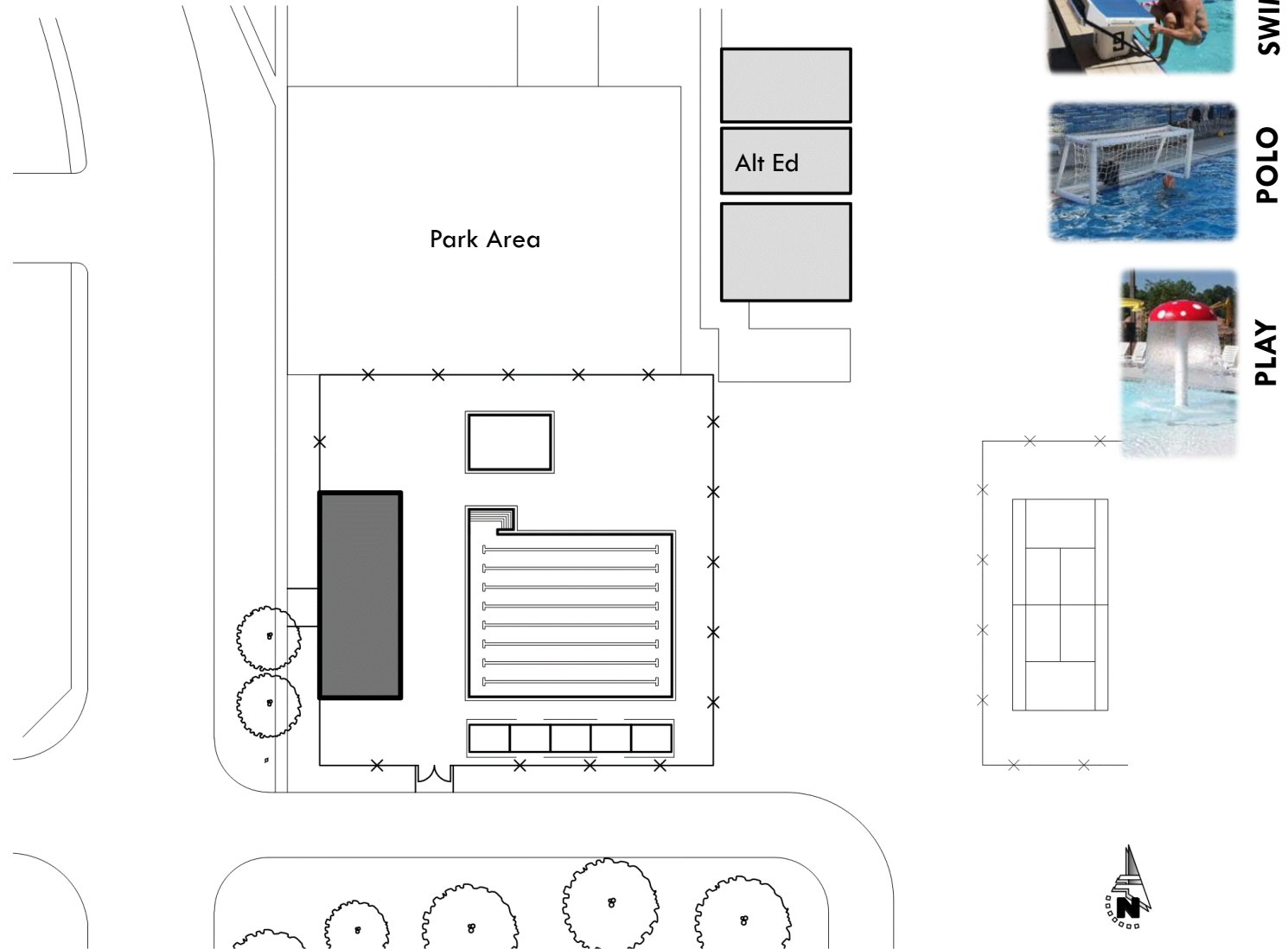
SITE IDEA 1

- Competition Swimming Pool
- Basic Pool Support Building



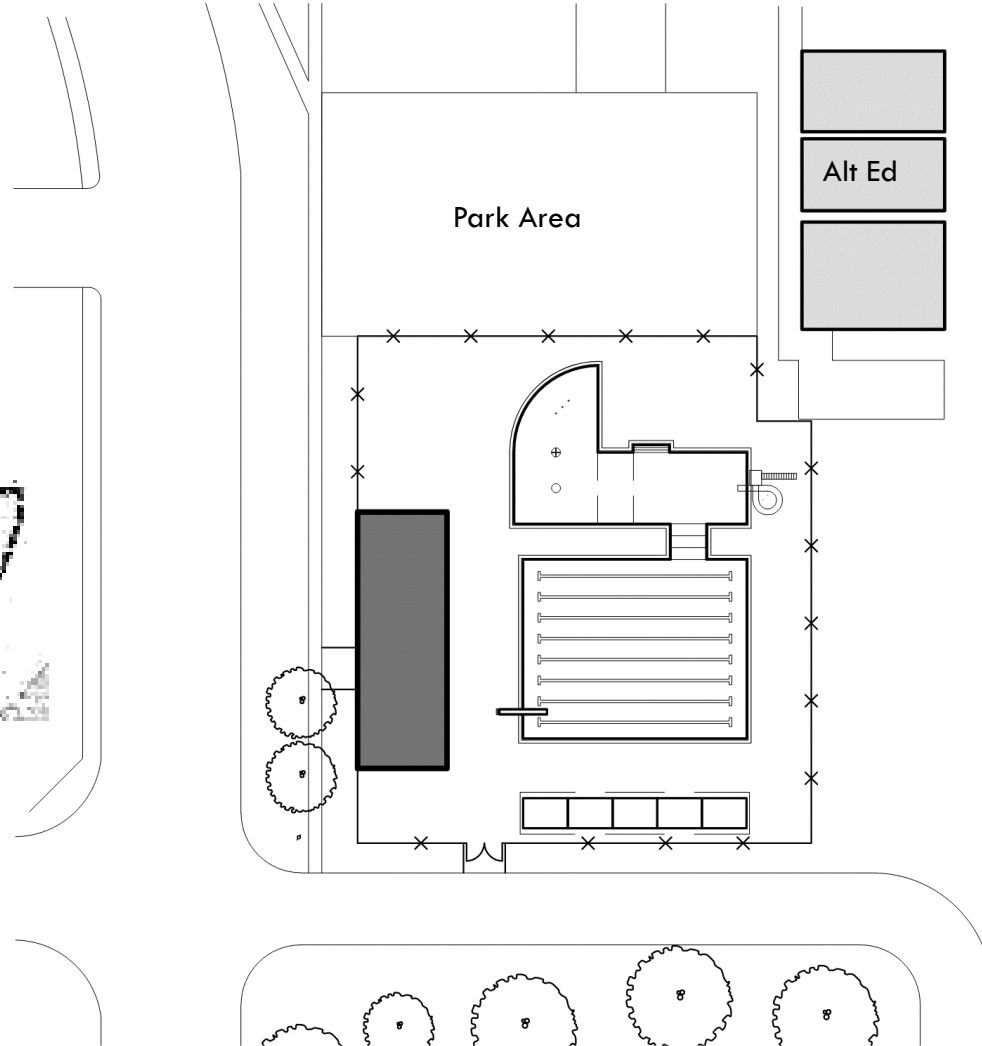
SITE IDEA 2

- Tot Pool
- Park Area Development



SITE IDEA 3

- Combination Competition and Recreation



SWIM



POLO



PLAY



DIVE

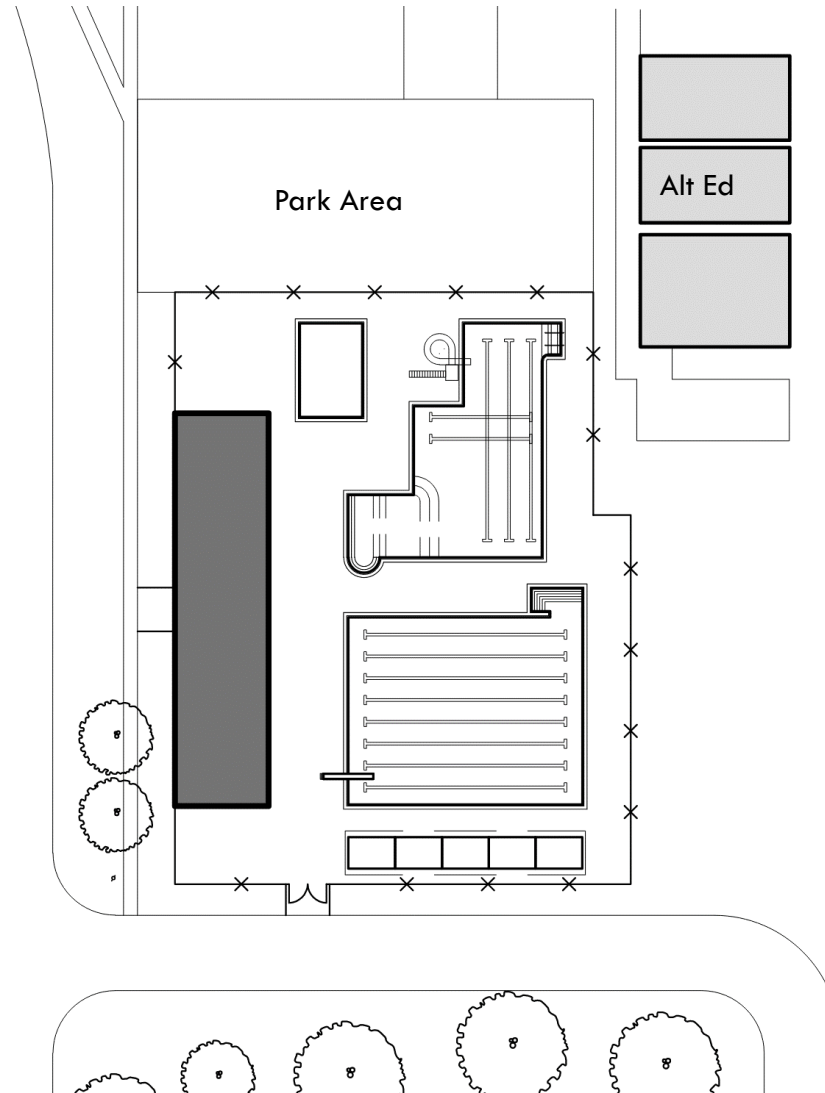


SLIDE



SITE IDEA 4

- Separated Competition and Recreation



SWIM



POLO



PLAY



DIVE

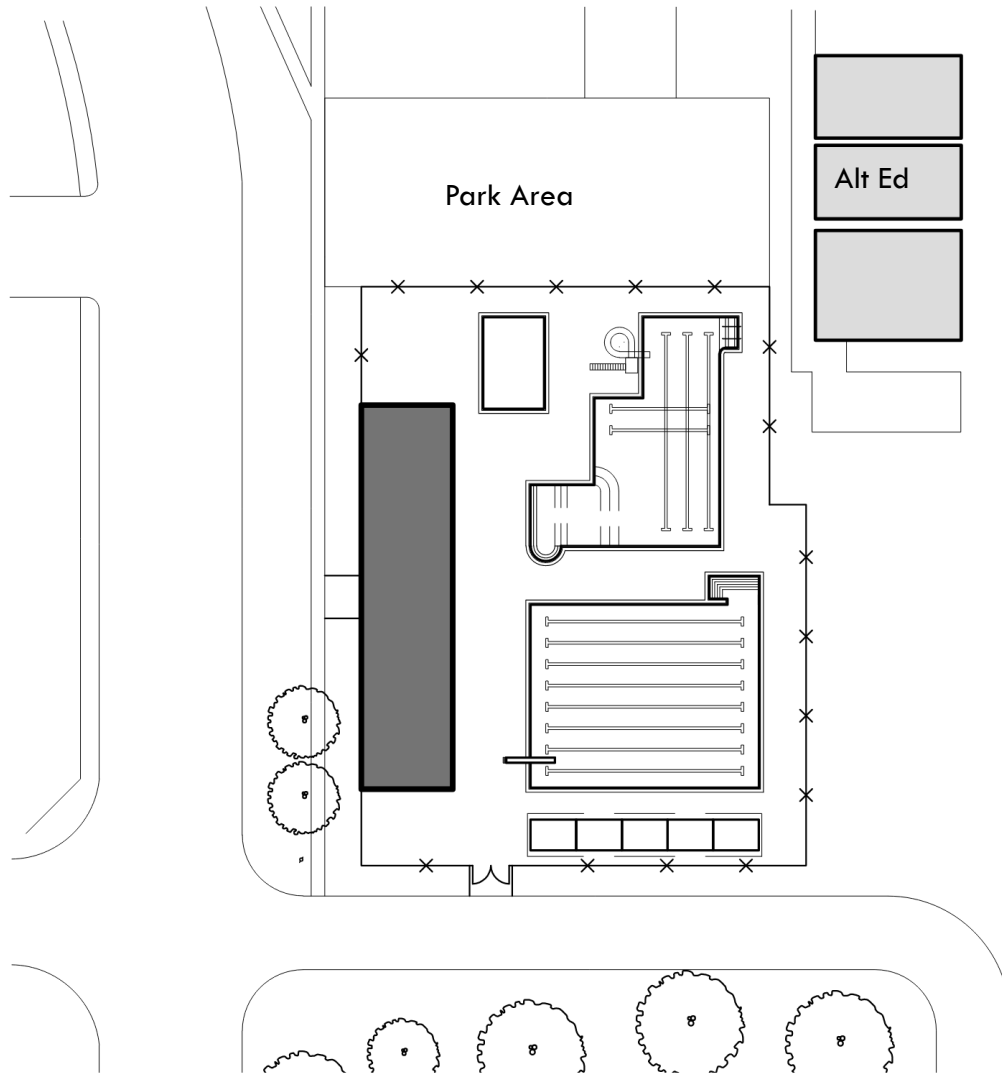


SLIDE



SITE IDEA 5

All Amenities



SWIM



POLO



PLAY



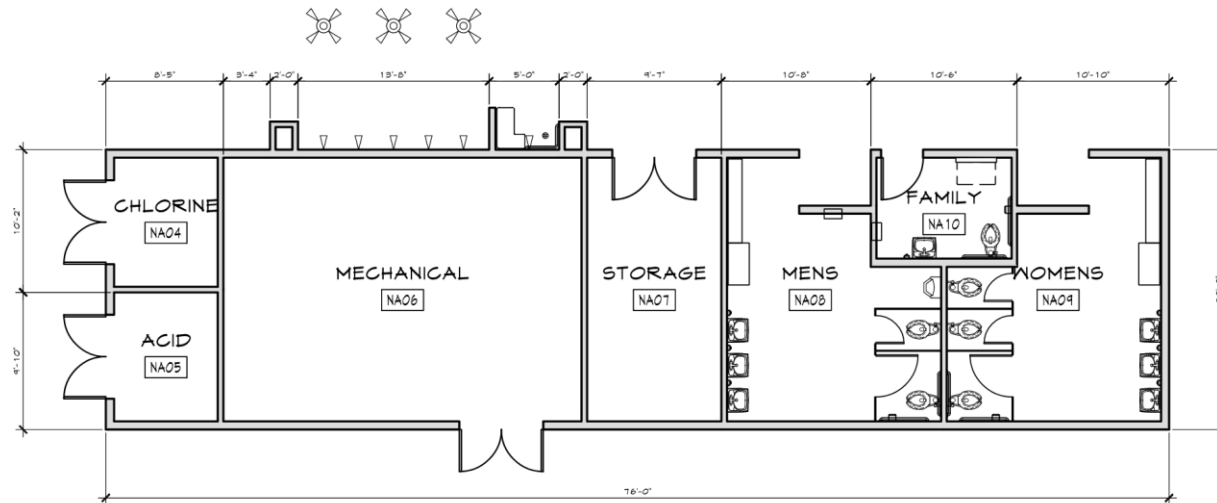
DIVE



SLIDE

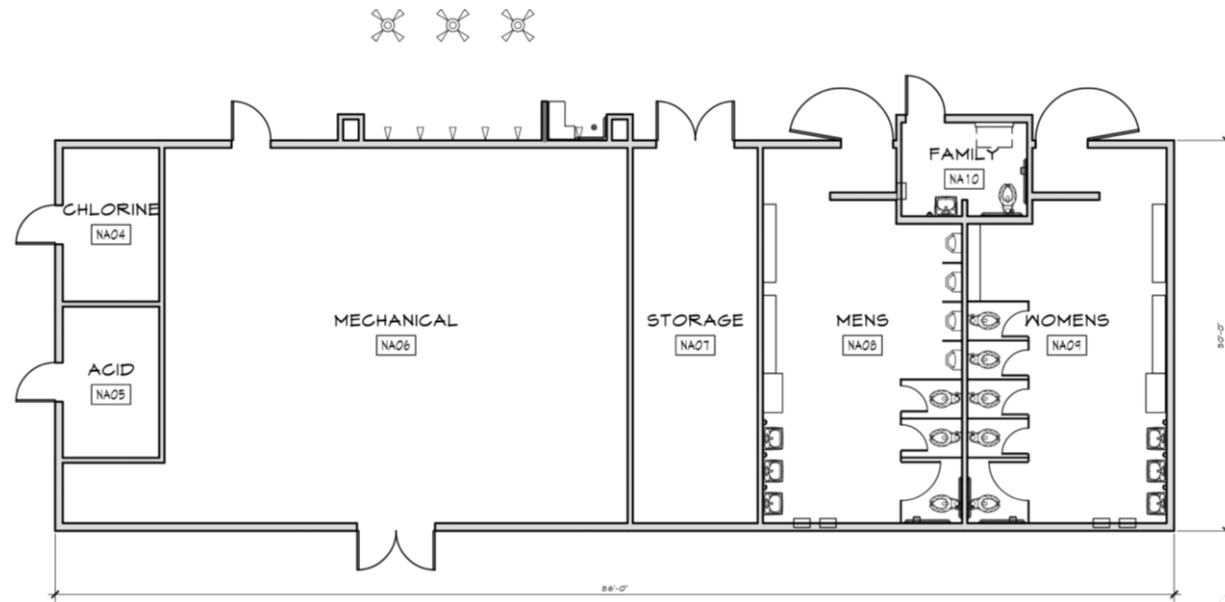
BUILDING IDEA A

- Restroom Facilities
 - Minimum fixture count
 - Family restroom
- Showers
- Minimal Storage
- Basic Pool Support



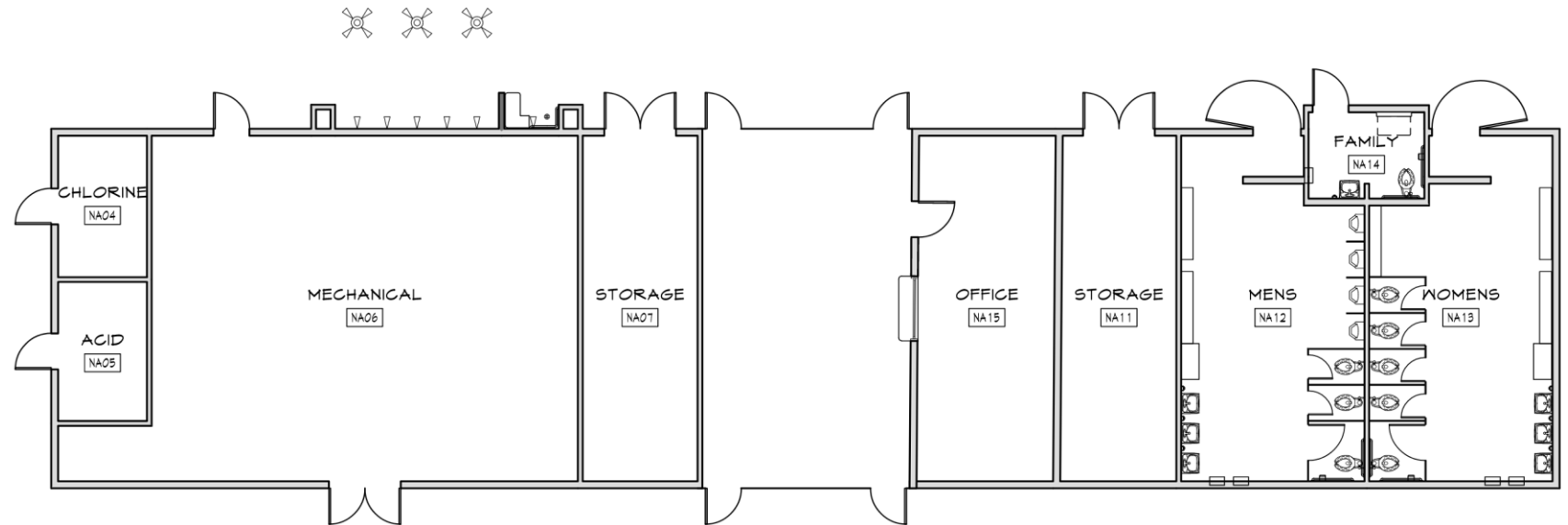
BUILDING IDEA B

- Supports Larger Pools
- Larger Restrooms
- Larger Mechanical Spaces
- More Storage



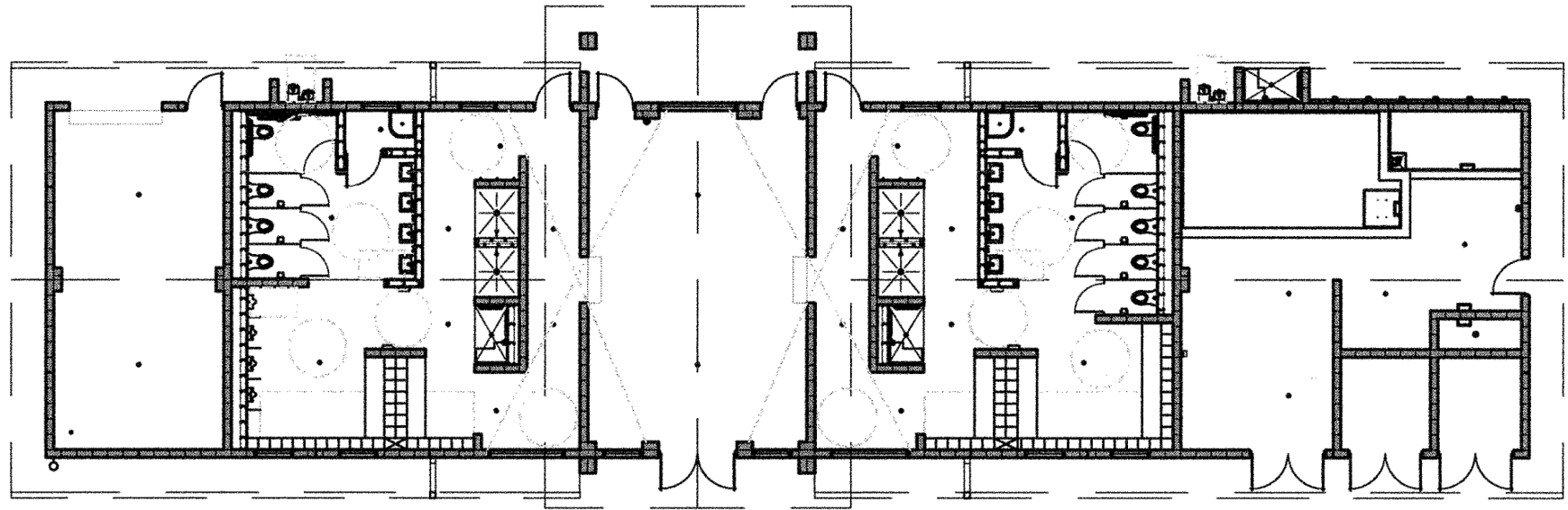
BUILDING IDEA C

- Additional Storage
- Office
- Enclosed Ticketing/Access



BUILDING IDEA +

- Lockers
- Interior Showers
- Janitorial Space
- Party Room



Q&A



THANK YOU!