



# SAN BRUNO RECREATION & AQUATIC CENTER

Advisory Committee Meeting

November 17, 2021



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# AGENDA

## 1. Construction Update and Look Ahead Schedule

- Project Information Update
- Completed To Date
- What's Happening Next 30 Days
- Schedule Update
- Public Outreach Update
- Change Order Report

## 2. Pool Expansion Update

- Operational & Programming Impacts
- Facility Design & Construction Impacts

## 3. Questions

# Construction Update and Look Ahead Schedule



## *PROJECT INFORMATION*



**Project Completion: Fall 2023**



**Estimated Cost Completed To Date: 3.2%**



**EarthCam Link:** [https://share.earthcam.net/RecCenterBuild/rec\\_center\\_build/camera/view\\_1](https://share.earthcam.net/RecCenterBuild/rec_center_build/camera/view_1)



# Construction Update and Look Ahead Schedule



## ✔ **COMPLETED TO DATE** *(Through 10/31/21)*

- Pool Building Demolition
- Gym Building except building pad
- CPT (Core Penetration Test) for Geopier (Ground Improvement)
- Soils Borings for Shot Crete Soils Nail Wall (shoring)
- Recycled: 2,754 tons: concrete, rebar and debris



# Construction Update and Look Ahead Schedule



## *WHAT'S HAPPENING NEXT 30 DAYS?*

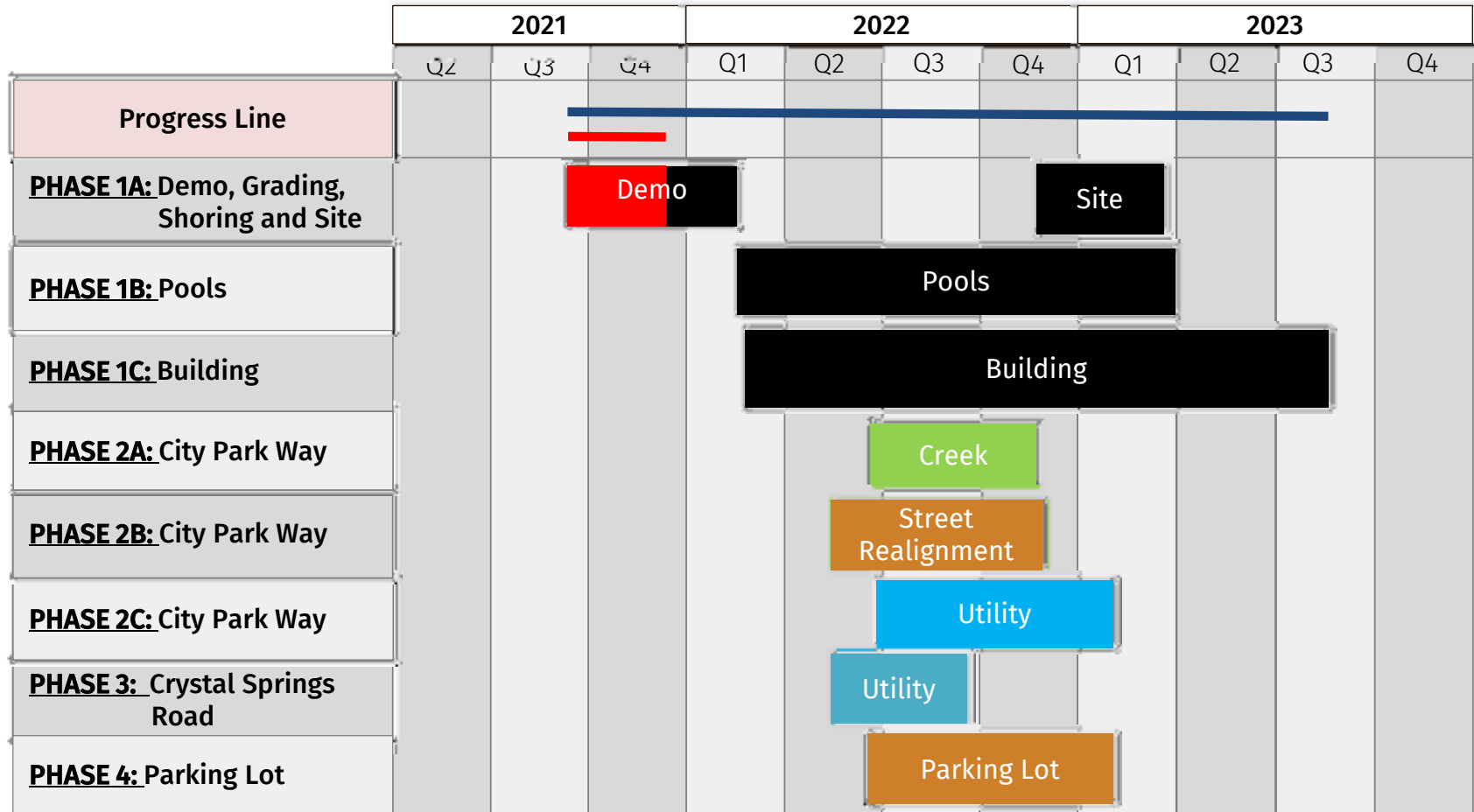
- Tree Removal
- Installation of temporary by-pass water line
- Start Grading and shoring



# Construction Update and Look Ahead Schedule



## SCHEDULE UPDATE



# Construction Update and Look Ahead Schedule

## *PUBLIC OUTREACH UPDATE*



# Construction Update and Look Ahead Schedule



## ***CONSTRUCTION CHANGE ORDER REPORT***

### **1. Change Order In Process**

- a. Additional removal and disposal of hazardous material (PCB/Asbestos containing materials)
- b. Temporary by-pass water line to maintain fire flow (proposed Water Fund)

### **2. Change Order Under Review**

- a. Sidewalk Improvement to improve pedestrian access from Desoto Road and parking lot to Park (proposed Park-In-Lieu Fund)
- b. Additional hauling and dump fee for the contaminated concrete pad

### **3. Potential Change Order**

- a. Pool Expansion from 6 to 8 Lanes



# POOL EXPANSION UPDATE | Operational & Programming Impacts

## *Operational and Programming Impacts*

- Overview of Design and Standards
- Programming
- San Bruno Recreation and Aquatic Center Pool Design
- Operational Impact



# POOL EXPANSION UPDATE | Pool Design

## **CURRENT DESIGN**

### 6 Lane Outdoor Pool



## **San Bruno Aquatic Center Design**

- Designed as a multi-use Recreation Pool
- Programs are inclusive of all skill levels
- Ability to support a diverse set of programs
- Ability to accommodate competitions

## **Main Outdoor Pool**

- 25 yards (short course)
- 6 lanes
- 7' wide lanes

## **Outdoor Wading Pool**

- 24' x 45'
- 0-depth entry
- Maximum depth 1'
- Splash and spray features

# POOL EXPANSION UPDATE | Pool Design

## COMPETITION SWIM CENTER



### Features

- Larger deck space
- Bleacher seating
- Concession area
- Team staging
- Typically has 50-Meter-Long Course



# POOL EXPANSION UPDATE | Overview of Design Standards

## *Form Follows Function*

- How do you plan to **PROGRAM** it?
- What **TYPE OF SWIMMERS** will use it?
- What are the **RESOURCES** required to build and operate it?



# POOL EXPANSION UPDATE | Programming



PROGRAM	Prior Facility
Staff Training & Certification	✓
Aquatic Camps	✓
Swim Lessons	✓
Water Aerobics	✓
Pool Rentals	✓
Aquatic Events	✓
Lap Swim	✓
Rec Swim	✓
Teen Swim	
Adaptive Rec Swim	
Aqua Fitness Classes	
Recreation Swim Team	
Competitive Swim Meets*	

# POOL EXPANSION UPDATE | Programming



PROGRAM	Prior Facility	New Facility
		Enhanced Programs
Staff Training & Certification	✓	✓
Aquatic Camps	✓	✓
Swim Lessons	✓	✓
Water Aerobics	✓	✓
Pool Rentals	✓	✓
Aquatic Events	✓	✓
Lap Swim	✓	✓
Rec Swim	✓	✓
Teen Swim		
Adaptive Rec Swim		
Aqua Fitness Classes		
Recreation Swim Team		
Competitive Swim Meets*		

# POOL EXPANSION UPDATE | Programming

PROGRAM	Prior Facility	New Facility	
		Enhanced Programs	New Programs
Staff Training & Certification	✓	✓	
Aquatic Camps	✓	✓	✓
Swim Lessons	✓	✓	
Water Aerobics	✓	✓	
Pool Rentals	✓	✓	✓
Aquatic Events	✓	✓	✓
Lap Swim	✓	✓	
Rec Swim	✓	✓	
Teen Swim			✓
Adaptive Rec Swim			✓
Aqua Fitness Classes			✓
Recreation Swim Team			✓
Competitive Swim Meets*			✓



# POOL EXPANSION UPDATE | New Programs & Events

## PROGRAMS

- Teen Swim
- Adaptive Rec Swim
- Aqua Fit Classes
- Aqua Events
- Camps
- Rentals
- Rec Swim Team



## TYPES OF SWIMMERS

- All ages
- All skill level
- Diverse program interests

# POOL EXPANSION UPDATE | Recreation Swim Team

## **POTENTIAL NEW PROGRAM**

- Rec Swim Team
- Ages 5 – 13
- Every skill level

## **BENEFITS**

- Prepares youth for club and/or high school competitive swim teams
- Aligns with the current design for the new pool
- Compatible with other uses for the RAC Facility (i.e., limited negative impact on other programs, facility rentals)



# POOL EXPANSION UPDATE | Recreation Swim Team

## **CURRENT DESIGN FOR SBRAC POOLS**

- Multi-use indoor and outdoor pools have a total of 12 lanes:
  - 6 lanes indoor
  - 6 lanes outdoor
- Outdoor wading pool
  - 24' x 45'
  - 0-depth entry
  - Maximum depth 1'
  - Splash and spray features

## **Sample Local Competitor Pools**



Daly City – 8 Lanes



Highlands Recreation District – 6 Lanes



Pacifica – 10 Lanes



South San Francisco – 6 Lanes

## **OPERATIONAL NEEDS FOR USA SWIMMING FOR COMPETITIONS**

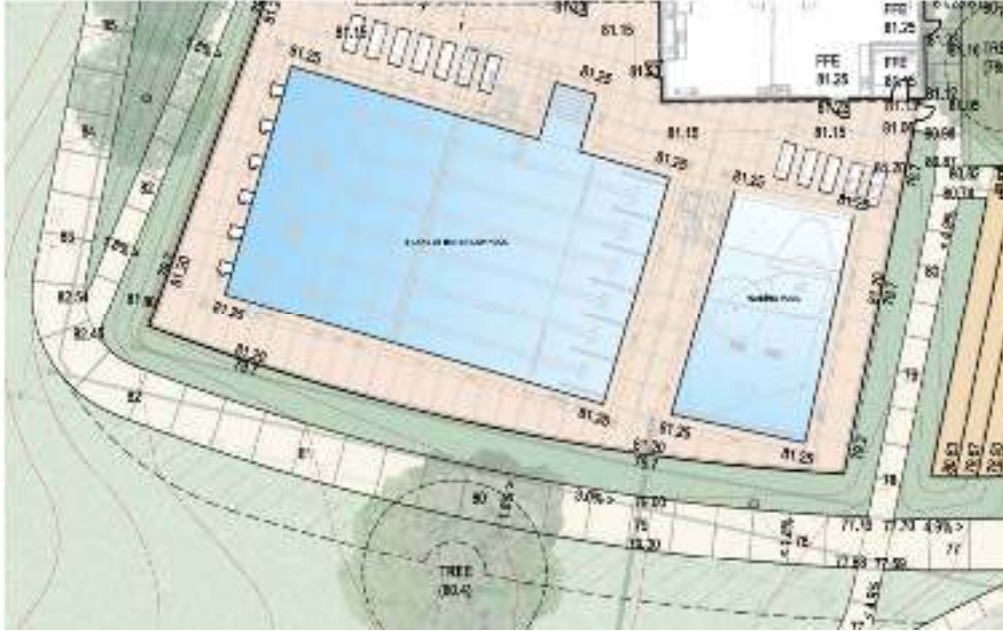
- Short course > 25 yards
- 6 lanes or more
- 7' wide lanes for youth
- Warm up/cool down area



# POOL EXPANSION UPDATE | Pool Design & Operational Impact

## CURRENT DESIGN

### 6 Lane Outdoor Pool



## ALTERNATIVE DESIGN

### 8 Lane Outdoor Pool



- Existing pool designed to support a diverse program schedule for all skill levels
- Expansion does not impact to program plan
- More space to provide programs does not necessarily mean more revenue

# POOL EXPANSION UPDATE | Programming



PROGRAM	Prior Facility	Current New Facility	
		Enhanced Programs	New Programs
Staff Training & Certification	✓	✓	
Aquatic Camps	✓	✓	✓
Swim Lessons	✓	✓	
Water Aerobics	✓	✓	
Pool Rentals	✓	✓	✓
Aquatic Events	✓	✓	✓
Lap Swim	✓	✓	
Rec Swim	✓	✓	
Teen Swim			✓
Adaptive Rec Swim			✓
Aqua Fitness Classes			✓
Recreation Swim Team			✓
Competitive Swim Meets*			✓

# POOL EXPANSION UPDATE | Programming

PROGRAM	Prior Facility	Current New Facility 6-lanes outdoors		Alternative 8-lanes outdoors	
		Enhanced Programs	New Programs	Enhanced Programs	New Programs
		Staff Training & Certification	✓	✓	
Aquatic Camps	✓	✓	✓	✓	✓
Swim Lessons	✓	✓		✓	
Water Aerobics	✓	✓		✓	
Pool Rentals	✓	✓	✓	✓	✓
Aquatic Events	✓	✓	✓	✓	✓
Lap Swim	✓	✓		✓	
Rec Swim	✓	✓		✓	
Teen Swim			✓		✓
Adaptive Rec Swim			✓		✓
Aqua Fitness Classes			✓		✓
Recreation Swim Team			✓		✓
Competitive Swim Meets*			✓		✓

Identical programming model

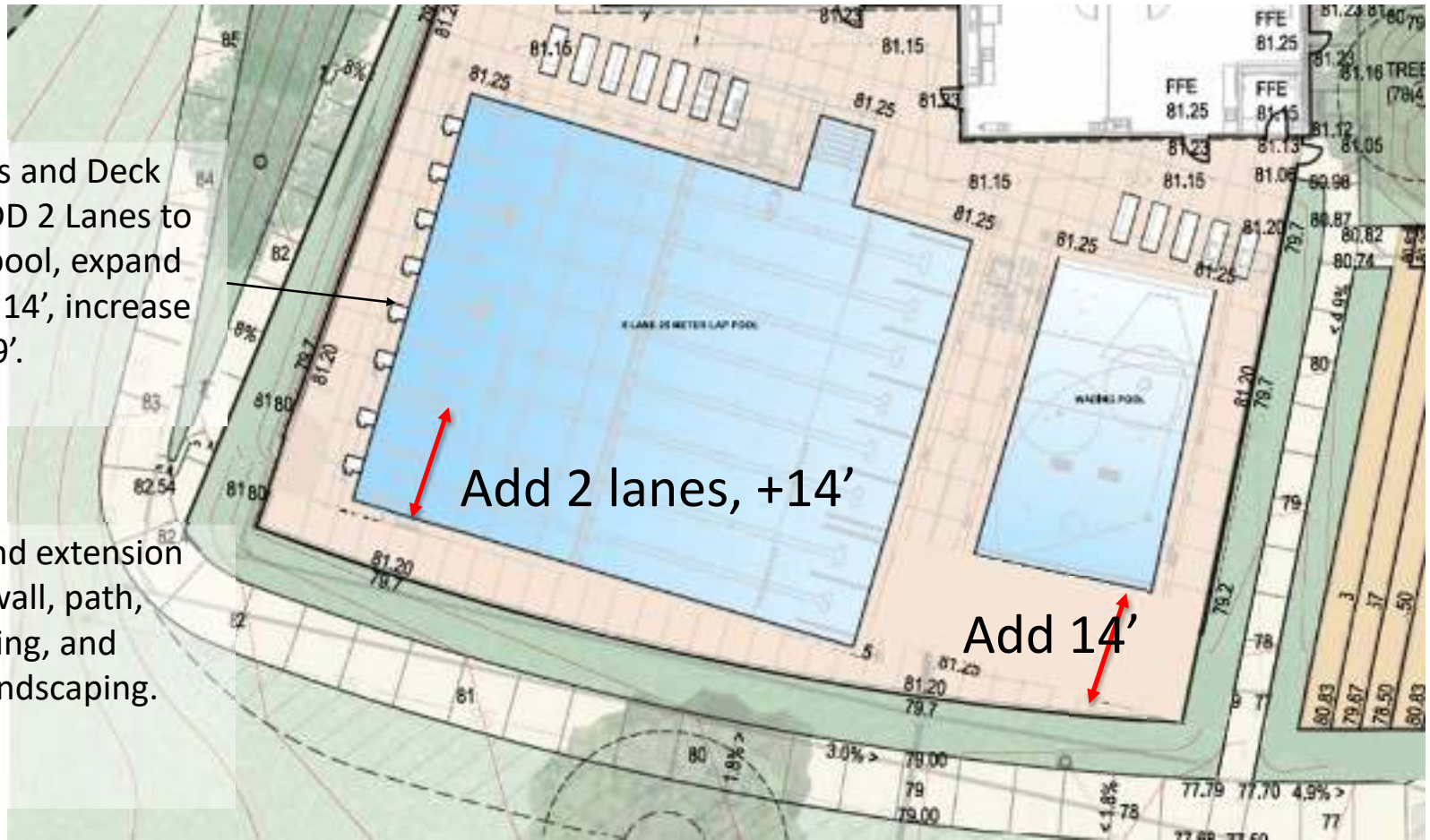


# POOL EXPANSION UPDATE | Facility Design & Construction Impacts

## Alternative 8 Lane Pool Outdoor Pool- COR

Outdoor Pools and Deck Extension- ADD 2 Lanes to the outdoor pool, expand the width by: 14', increase from 35' to 49'.

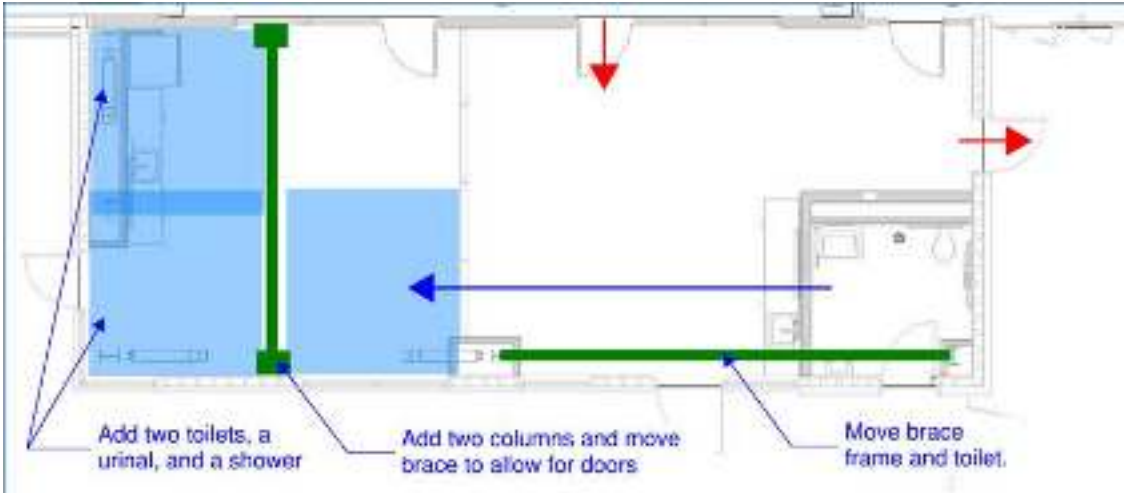
Relocation and extension of retaining wall, path, stadium seating, and associated landscaping.



# POOL EXPANSION UPDATE

## Facility Design & Construction Impacts

- Impacts to Facility Design
  - Additional 14' of pool
  - Occupancy Capacity to exceed 2500
  - Code Ramifications – building floor plan and structure revisions

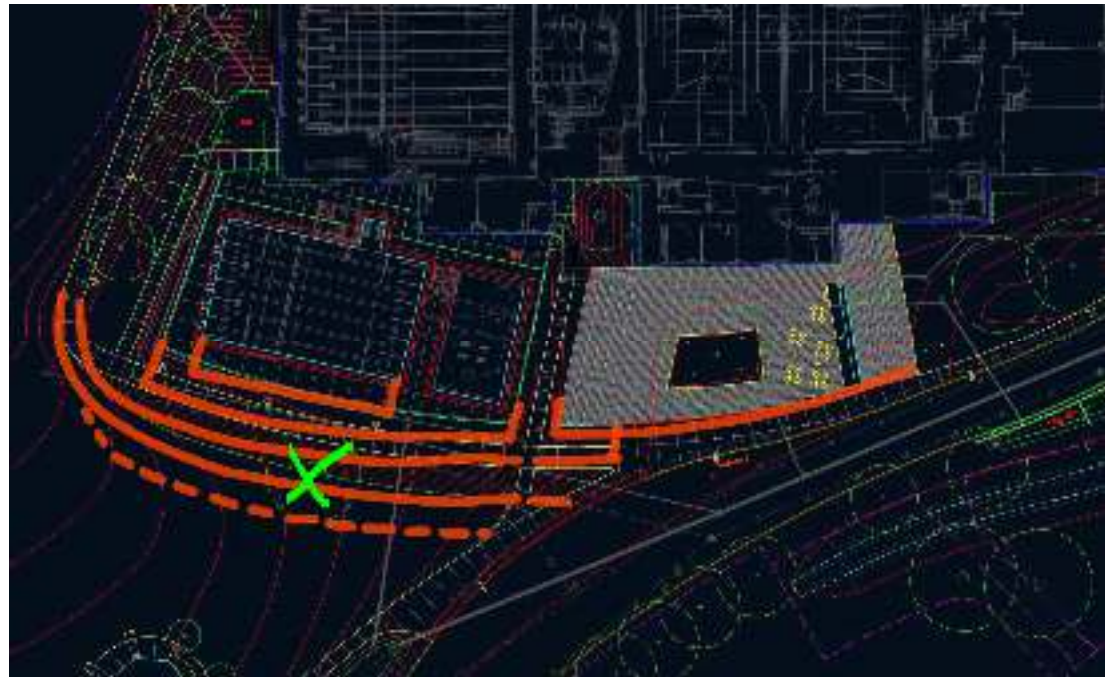


# POOL EXPANSION UPDATE

## *Facility Design & Construction Impacts*

- **Impacts to Construction**

- Pool shell, Pool Deck, Mechanical piping, equipment and Electrical
- Retaining Wall, Stadium Seating, Railing Redesign, Path and landscaping
- Excavations, Foundation (Geopier) and Utility
- Material availability – Delay
- Construction Durations



# POOL EXPANSION UPDATE

## *Facility Design & Construction Impacts*

- **Impacts to Design & Construction Team**
  - Design Disciplines Impacted: architectural, civil, landscaping, structural, mechanical, electrical, plumbing, pool designer
  - Will require additional permit review by the Building Department and County Health Department



# POOL EXPANSION UPDATE

## *Facility Design & Construction Impacts*

- **Impacts to Facility Design**
  - Additional 14' of pool
  - Occupancy Capacity to exceed 2500
  - Code Ramifications – building floor plan and structure revisions
- **Impacts to Construction**
  - Pool shell, Pool Deck, Mechanical piping, equipment and Electrical
  - Retaining Wall, Stadium Seating, Railing Redesign, Path and landscaping
  - Excavations, Foundation (Geopier) and Utility
  - Material availability – Delay
  - Construction Durations
- **Impacts to Design & Construction Team**
  - Design Disciplines Impacted: architectural, civil, landscaping, structural, mechanical, electrical, plumbing, pool designer
  - Will require additional permit review by the Building Department and County Health Department
- **Overall Estimated Cost Impact: \$1.2+ M**



# NEXT STEPS

- **Advisory Committee Discussion / Opinion on Additional Outdoor Pool Expansion to 8 lanes**
- **General Questions from Committee Members**





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2021



# END