

BAINBRIDGE ISLAND AQUATICS





Outline

Public Outreach

Jurisdiction Requirements

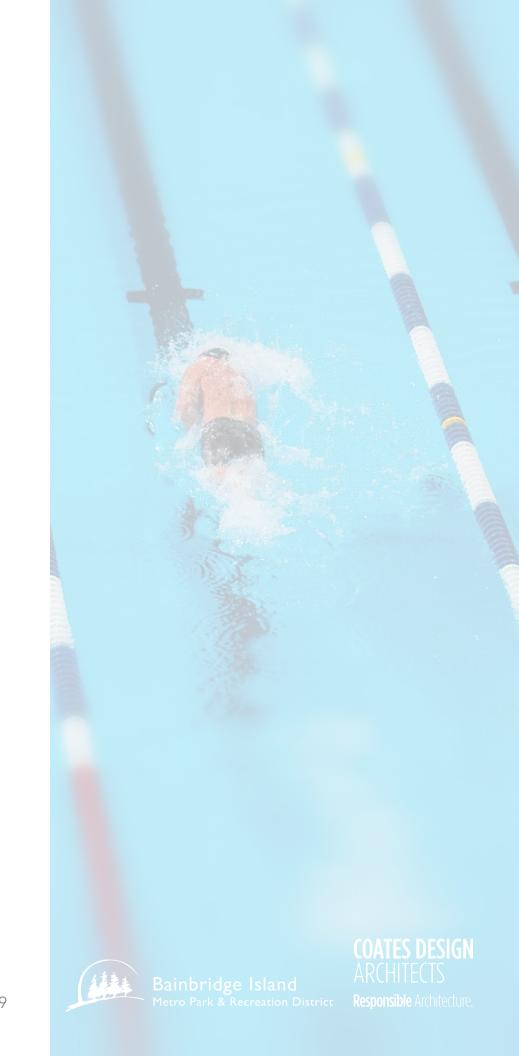
Site Analysis

Site Design

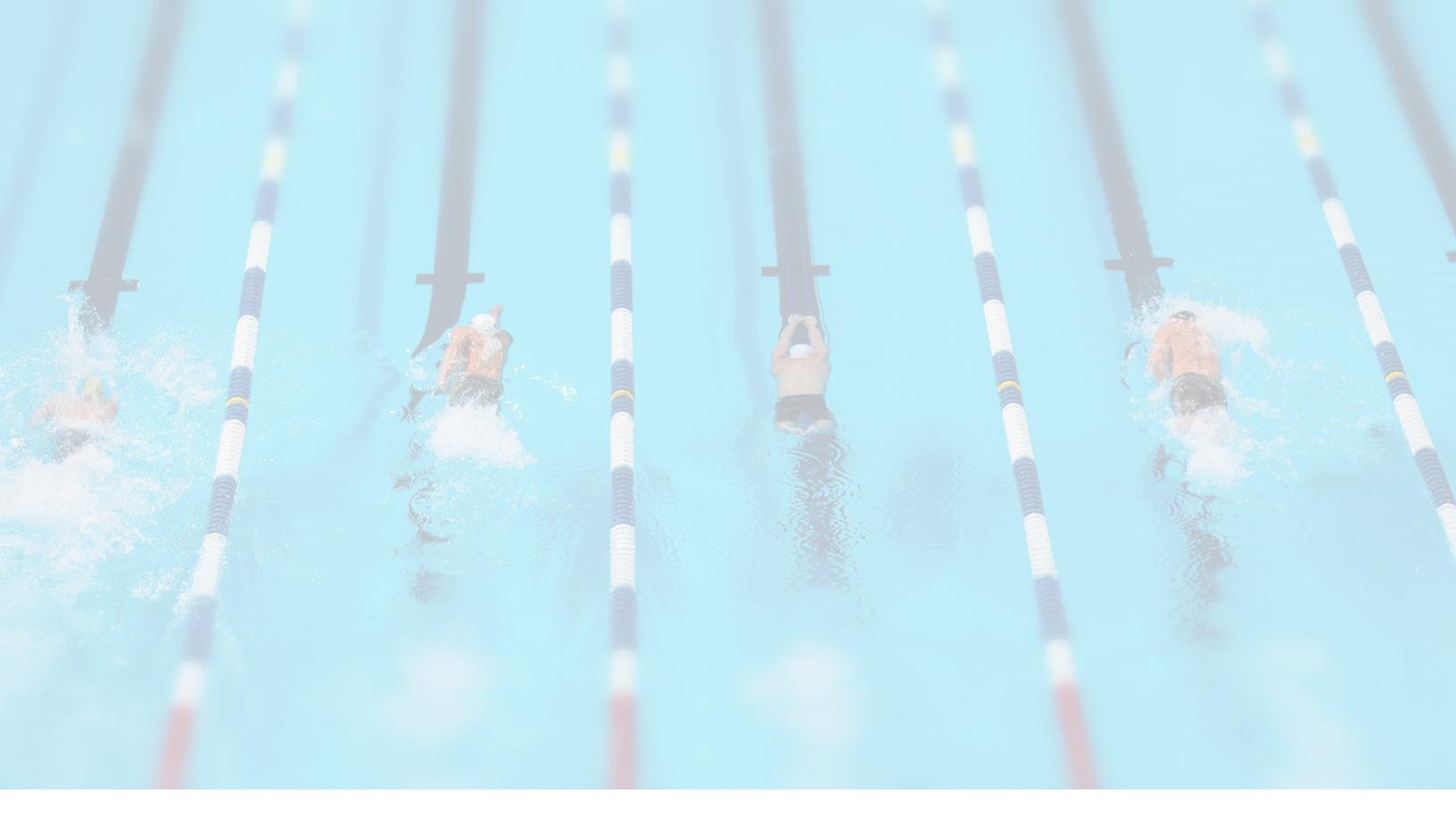
Plans

Pricing

Operational Study



Slide 2 of 47 Outline 01/17/2019



PUBLIC OUTREACH





Primary Users

- Public Swimmers
- Swimming Organizations
 - BISC, Bainbridge Island Swim Club, Youth swim team
 - BAM, Bainbridge Aquatics Masters, Adult swim team
 - Bainbridge High School Swimming and Diving Teams
 - BWPC, Bainbridge Water Polo Club
 - Bainbridge High School Water Polo Teams
- Bainbridge Island Metro Parks and Recreation District

Primary Activities

- Lap Swimming, Health, and Wellness
- Aquatic Education- Learn to Swim, Life Saving, and others
- Swim Team and Club Training
- Water Polo Team and Club Training
- Competitive Events
 - High School Swimming
 - High School Water Polo
 - Club Swimming
 - Club Water Polo



Slide 4 of 47 Program 01/17/2019

Identified Critical Lap Pool Facility Components

Critical facility components were identified through focus group meetings with representatives from primary user groups.

- 1. Lap Pool
- 2. Pool Deck and Adjacent
- 3. Dryland Areas
- 4. General
- 5. Open During Construction



Slide 5 of 47 Program 01/17/2019

Identified Critical Lap Pool Facility Components

1. Lap Pool

- Maximize Lane Count to Meet Programming Demand
- 50-meter X 25-yard Pool would be ideal
 - 20, 25-yard lanes would allow simultaneous club and public lap use
 - Increase Participation is USA Swim Age Group, USA Masters Swim Program
 - Increase Participation and Development of Water Polo Program
 - Increase Specialty Classes
 - Competition Venue, Economic Impact
- Meet Governing Body Requirements for Competition Swimming and Water Polo
 - Lane Size, Water Depth, Starting Platform Height, and Field of Play
- Moveable Bulkhead to allow separation of use and program diversity



Slide 6 of 47 Program 01/17/2019

Critical Lap Pool Facility Components (cont.)

2. Pool Deck and Adjacent

- Large Deck Area to Minimize Overcrowding, Safety
- Maximize Pool Equipment Storage Areas
- Team, Club, Public Gear Storage Areas
- Separate Spectator Area, Safety
- Timing, Score Board, and Spirit Display
- Accessibility



Slide 7 of 47 Program 01/17/2019

Critical Lap Pool Facility Components (cont.)

3. Dryland Areas

- Dryland Training Area. CrossFit, Yoga, Weights, and Other
- "Wet Room" Meeting Room, to accommodate coaching, teaching and other
- Event Management Room
- Additional Locker Room
 - Visual control of Entry and Exit
- Multi-Room deck adjacent
- Offices Maintenance, Staff, and Coaches
- Guard Room w/ Bathroom, visual control, central to facility

Slide 8 of 47 Program 01/17/2019

Critical Lap Pool Facility Components (cont.)

4. General Upgrades

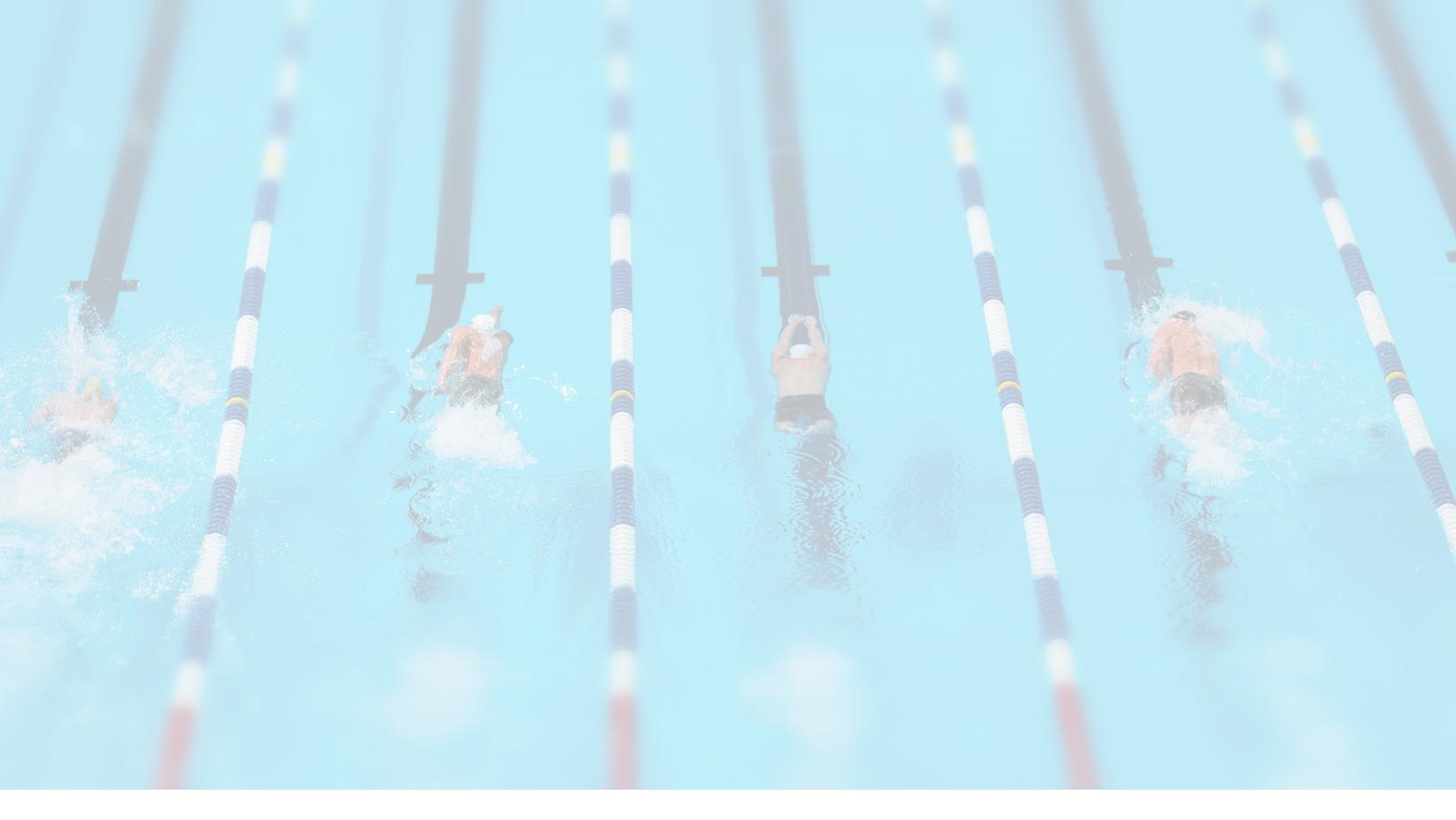
- Central Shared Access to Existing Nakata Lap Pools
- Accommodate Simultaneous Pool Use, Event (Lap Pool) and Recreation (Nakata Pool)
- Space to Accommodate Large Events: swimming, water polo and other
- Acoustic Buffering
- Lighting Design
- Accommodate Diversity of use, Promoting Community

5. Current Facilities Needs to Operate During Construction

- Closing the Ray Williams Lap Pool during construction would have significant impact on Swim Clubs and Public Swimmers
- Cause financial burden due to loss of facility revenue.



Slide 9 of 47 Program 01/17/2019



JURISDICTIONAL REQUIREMENTS





Planning/Permit Approval Required:

- Preapplication Conference
- Conditional Use Permit or Amendment to Existing
- SPR, Site Plan and Design Review
- Health District Review
- Design Review Board Review
- Public Participation Meeting

Site Assessment Review (SAR) Key Points:

- Project Must Demonstrate Compliance with Minimum Requirements (MR's) #1 through #9 of City Stormwater Manual.
 - Consulting Engineers are required to determine Design and Compliance
 - Existing Stormwater Facilities shall be Fully Integrated or Upgraded
- Any proposal for Leased Site Development needs to account for Cumulative Impact on BISD Site as a Whole.
- International Swimming Pool and Spa Code.
 - Discharge and Dechlorination Requirements
- Traffic Impact Analysis Required
 - On Site Traffic Shall Conform to NFPA (National Fire Protection Association)



Slide 11 of 47 Jurisdictional Requirements 01/17/2019

Zoning Standards:

Lot Coverage, lot area covered by buildings
Setback, Front
Setback, Side
Setback, Rear
Building Height 25' or 30' w/ conditional use permit



Slide 12 of 47 Jurisdictional Requirements 01/17/2019

Parking:

- Per Municipal Code, Recreational Facilities not Part of School
 - parking requirements shall be established by the director
 - technical studies prepared by a qualified professional
- Additional Parking Requirements
 - BISD parking requirements TBD per Master Plan
- Total Parking Spaces Required
 - To-Be-Determined. Additional study/information needed.



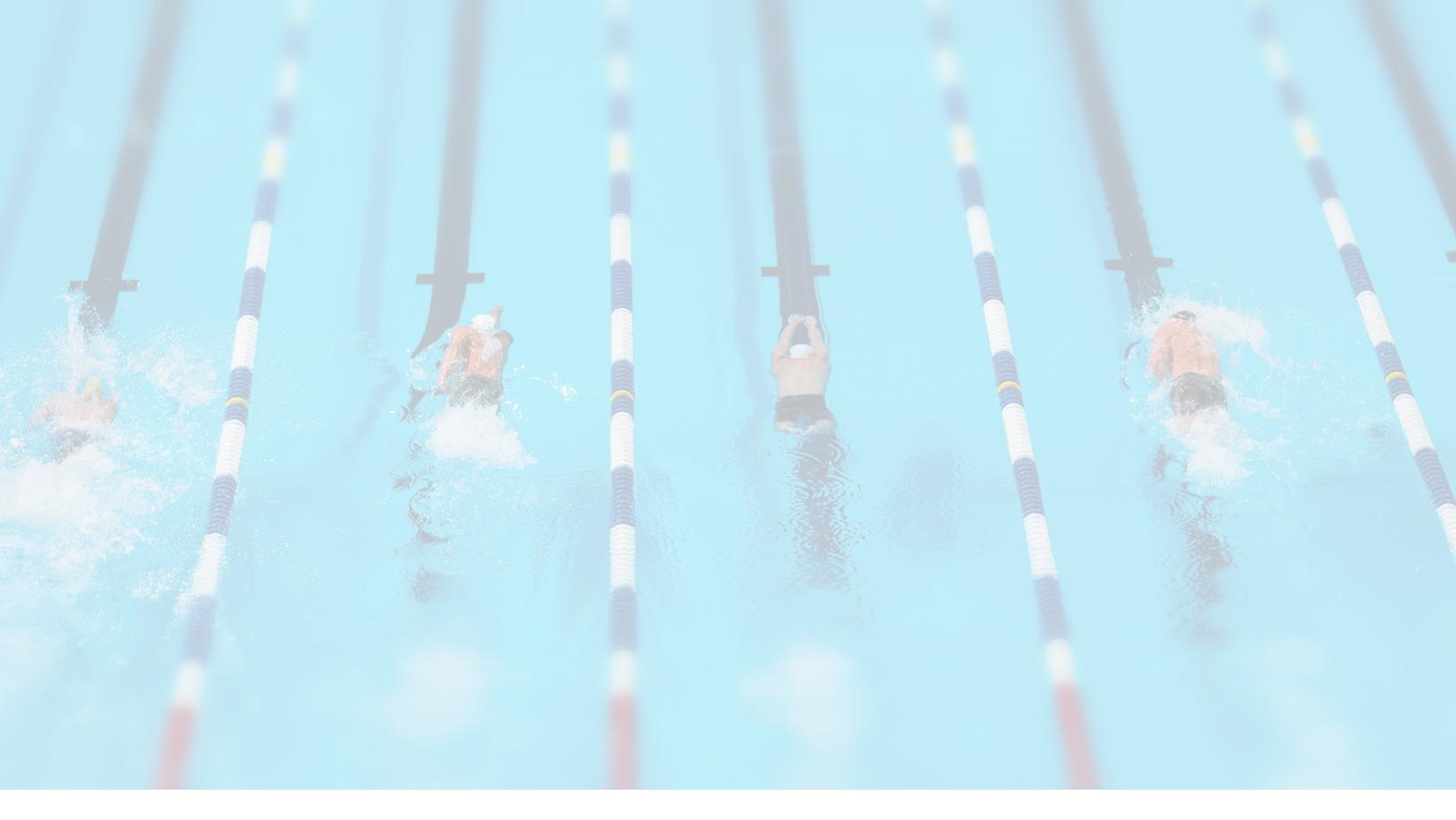
Slide 13 of 47 Jurisdictional Requirements 01/17/2019

Landscaping, Tree Retention/Replacement/Protection:

- Perimeter Buffer 20' partial
- Roadside Buffer 25' partial
- Parking Lot Landscape
 - Additional perimeter landscaping required
- Site Specific Evaluation of Total Impact on Tree Coverage
 - Demonstration of Meeting Tree Unit Requirements
- Total Site Tree Unit Requirements 40 units / acre



Slide 14 of 47 Jurisdictional Requirements 01/17/2019



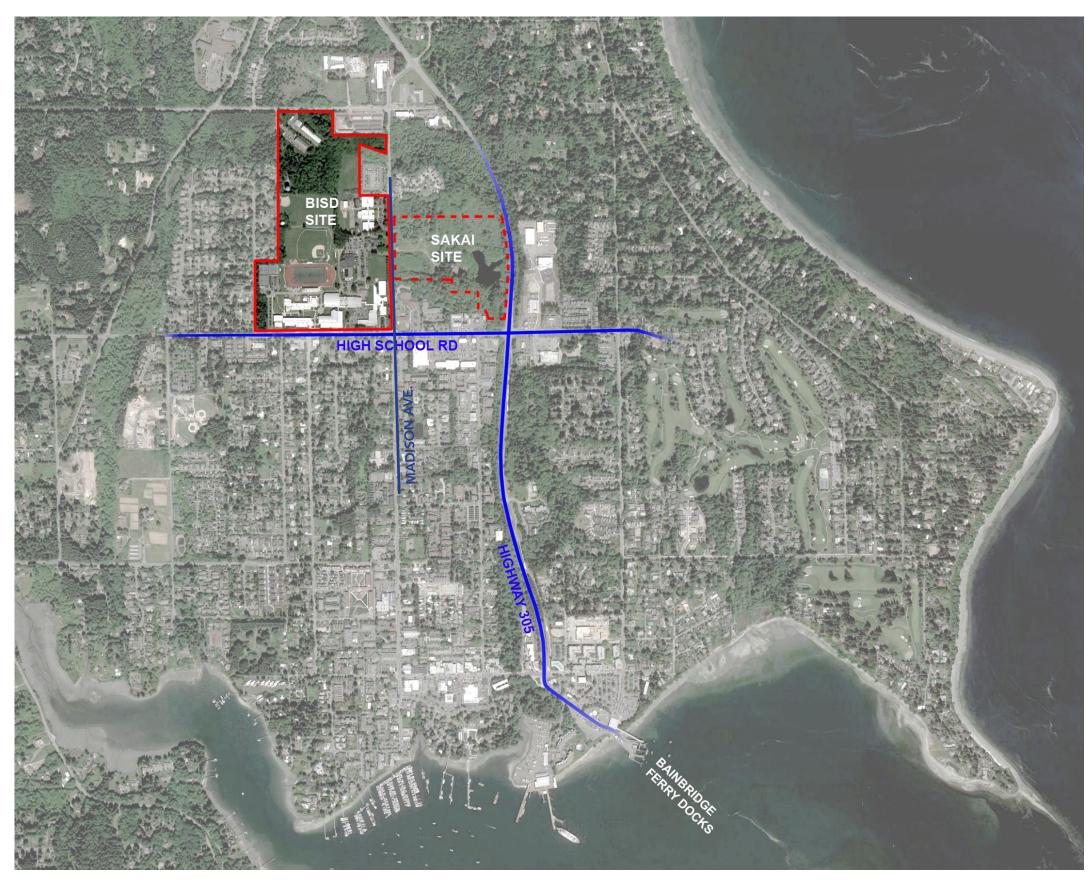
SITE ANALYSIS





BISD Site Location





Site Location

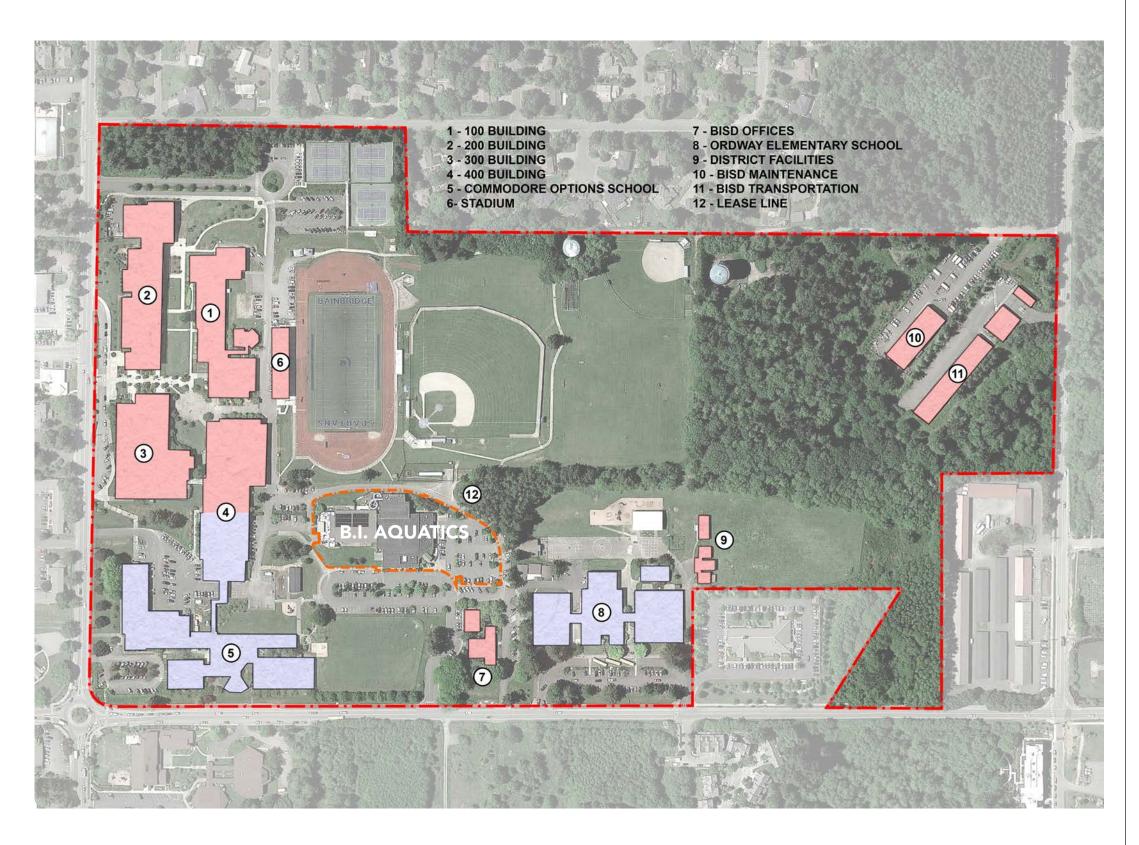
- BISD Site Located
 - West of HWY 305
 - High School Rd. and Madison Ave.





BISD Site





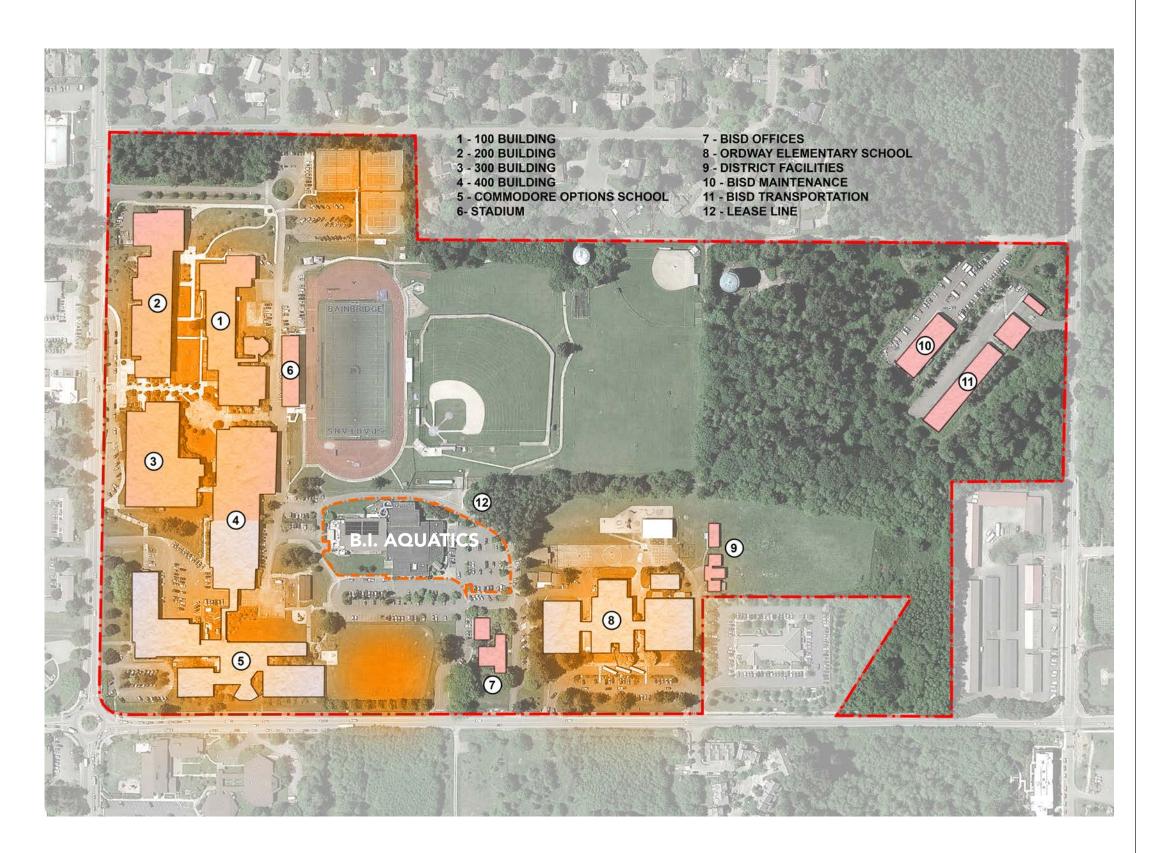
- Approx. 73 acres
- BISD Facilities Including;
 - District Offices
 - High School Campus
 - Commodore Options School
 - Ordway Elementary School
 - Maintenance
 - Transportation
 - Sports Fields
- Bainbridge Aquatics Center
 - BI Metro Parks and Recreation Department Leases Site from BISD
 - Current "Lease Line" Will Require Modification for Development
 - Current Lease Agreement WillRequire Modification forDevelopment





BISD Future Master Planning





BISD Future Master Plan:

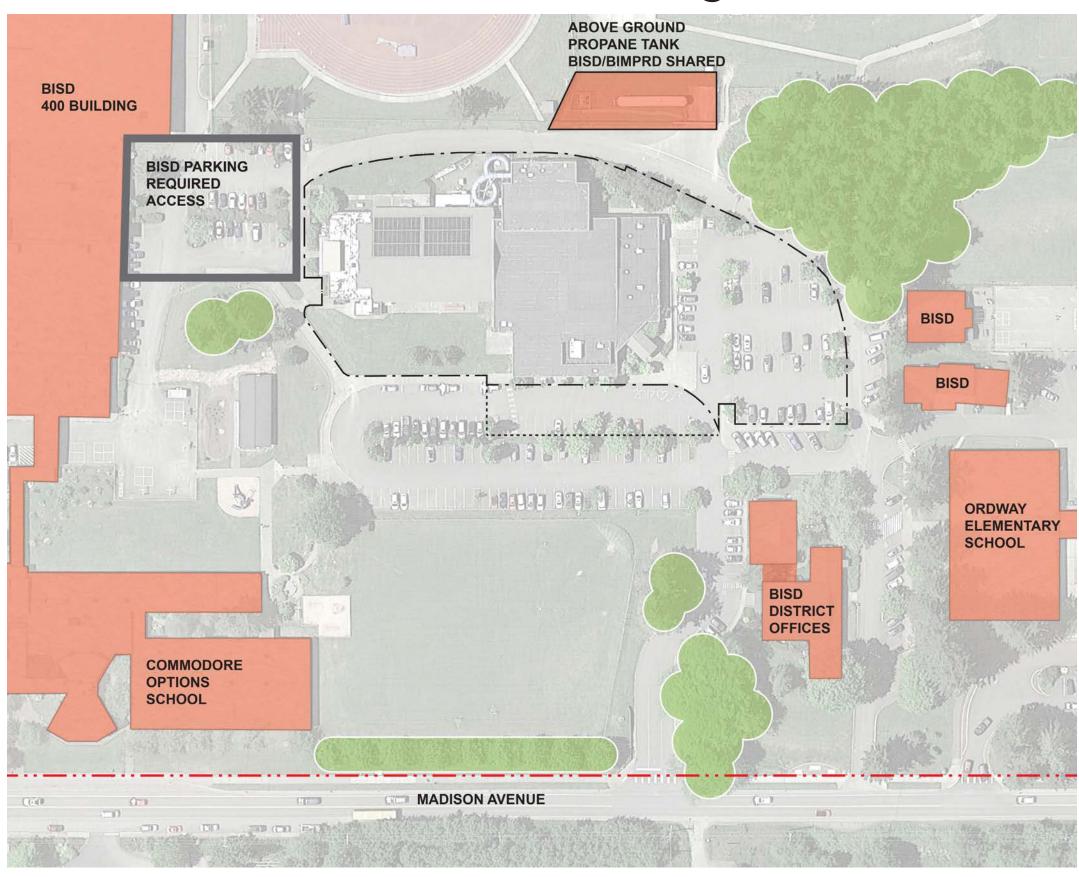
- BISD is planning to develop/revise a Site Master Plan in the near future
- Master Plan to address BISD Current and Future Needs and Site Requirements:
 - High School Campus
 - Commodore Campus
 - Ordway Campus
 - Sports Fields
 - Parking Needs
 - Other
- BIMPRD Aquatics Facility Improvements will need to Coordinate into this BISD Master Plan
 - BISD and BIMPRD are beginning this discussion
- Final Master Plan is Critical to Detemining COBI Site Development Requirements:
 - Low Impact Development
 - Lot Coverage
 - Tree Count
 - Access
 - Storm Water Management
 - Parking
 - Other





Site Constraints - School Buildings



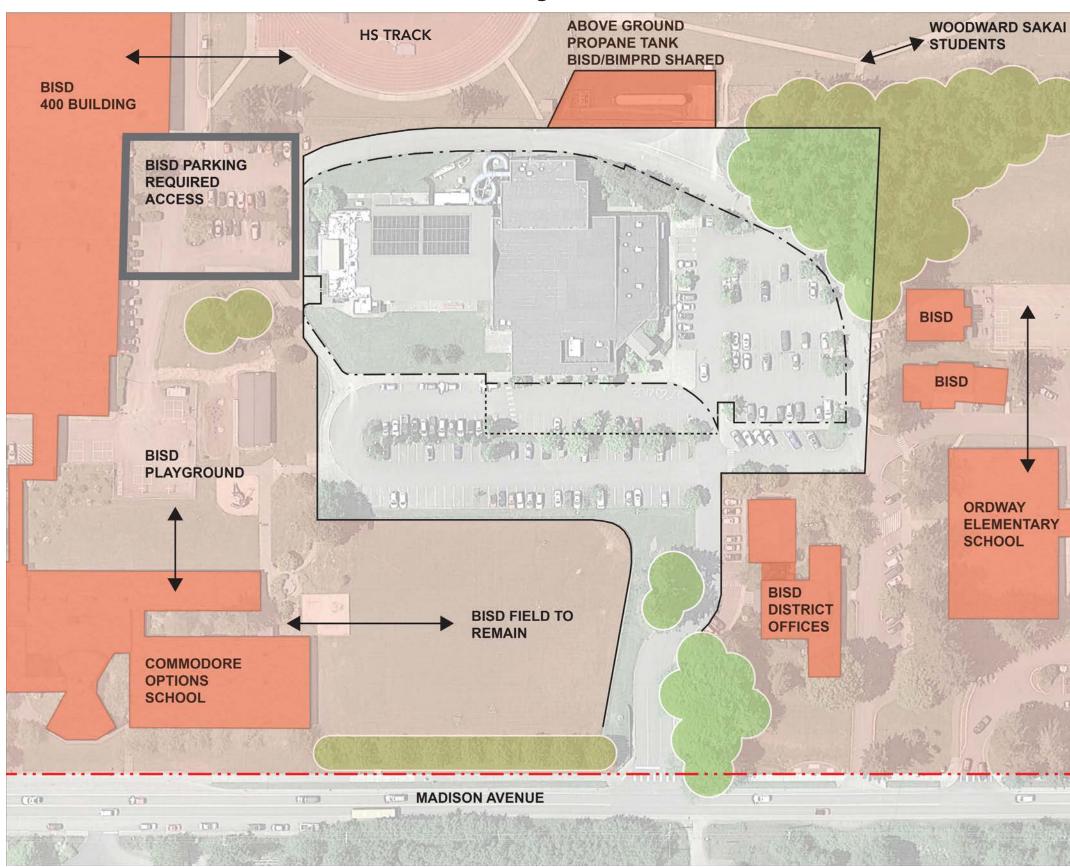


- High School
- Commodore Options School
- BISD Offices
- Ordway Elementary School
- Propane Tank
- BISD Parking



Site Constraints - Schoolyards



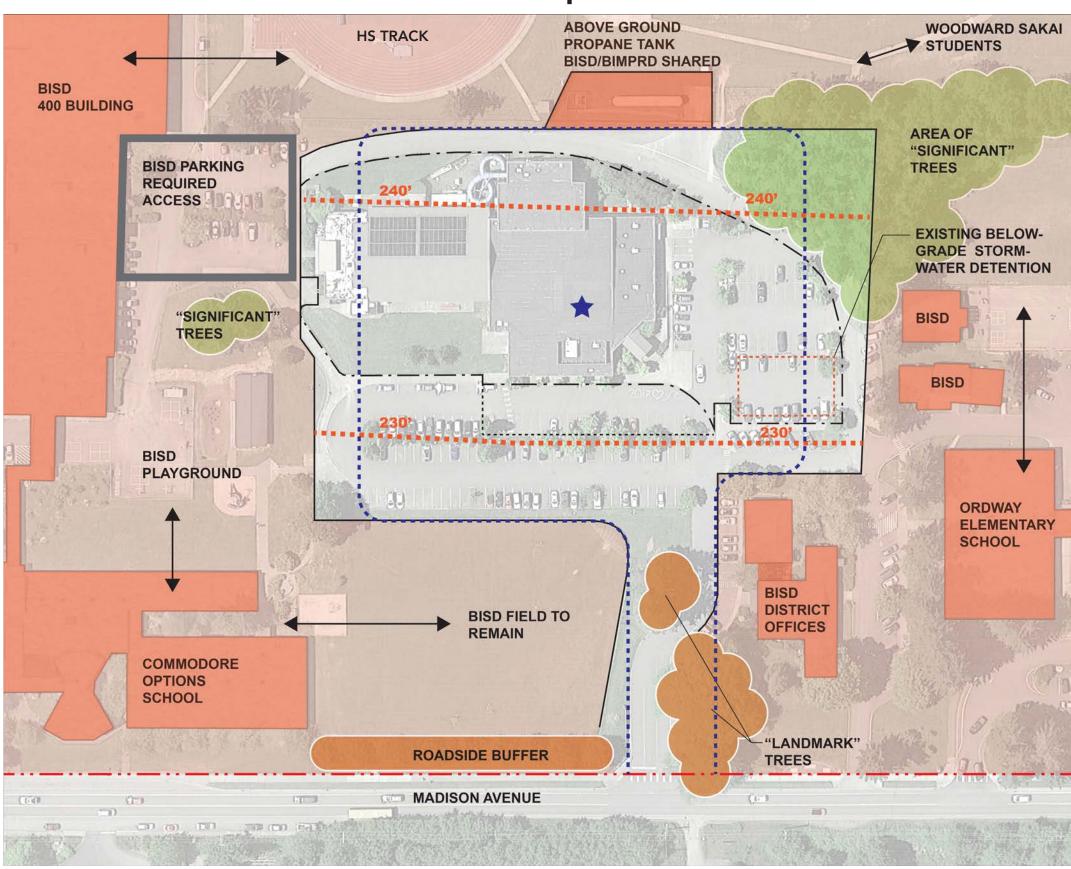


- Adjacent School Play Area
- Sports Fields
- Paths



Site Constraints - Landscape and Other





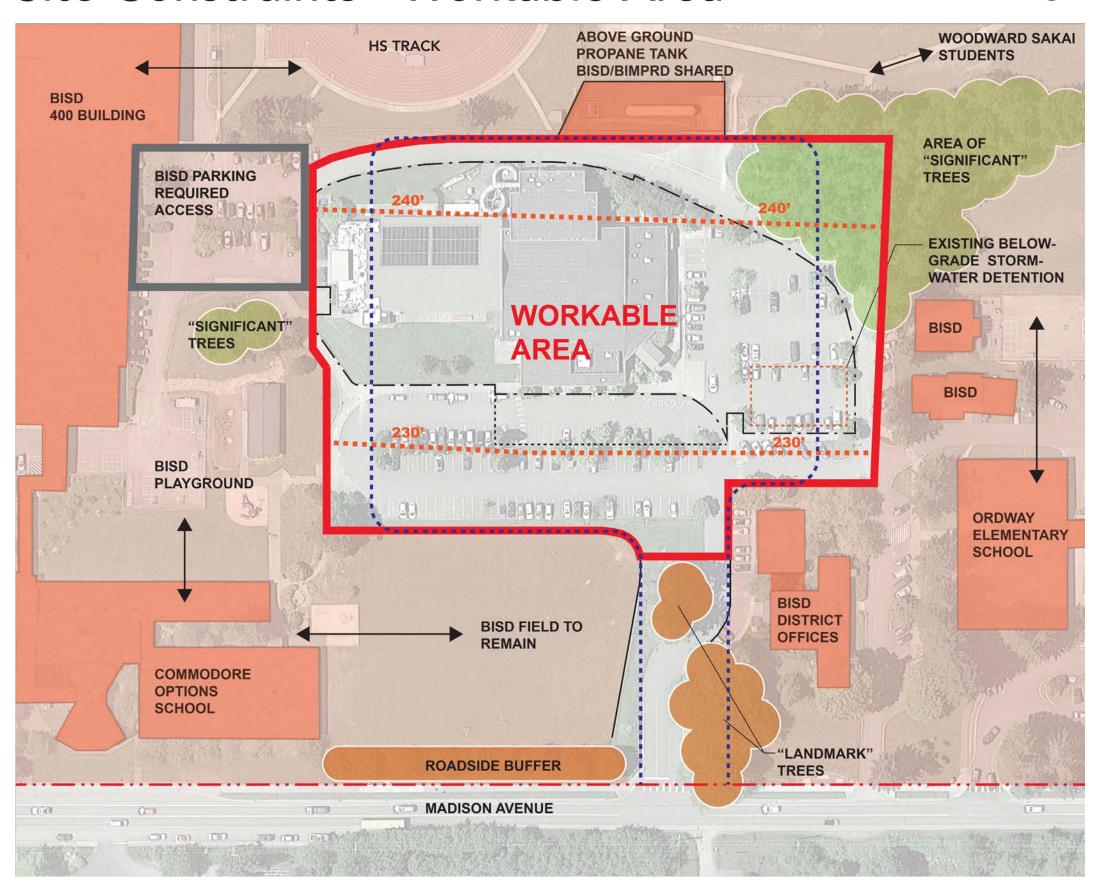
- "Landmark Trees"
- "Significant Trees"
- Grade, Slope to Madison
- Existing Storm Water Facilities
- Site Security



Site - Constraints

Site Constraints - Workable Area

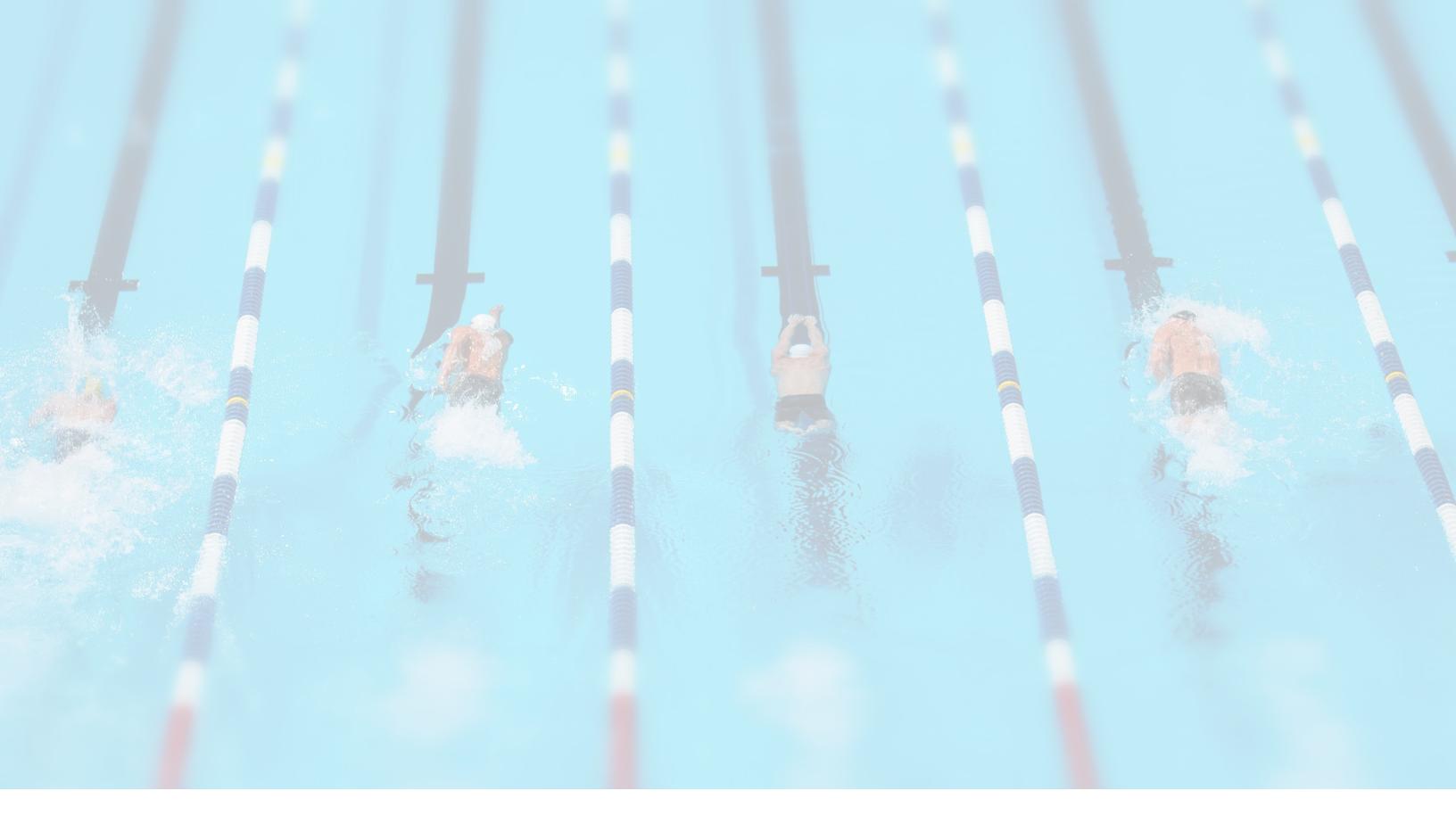




Maximum Workable Area as Defined by
Assumed Constraints





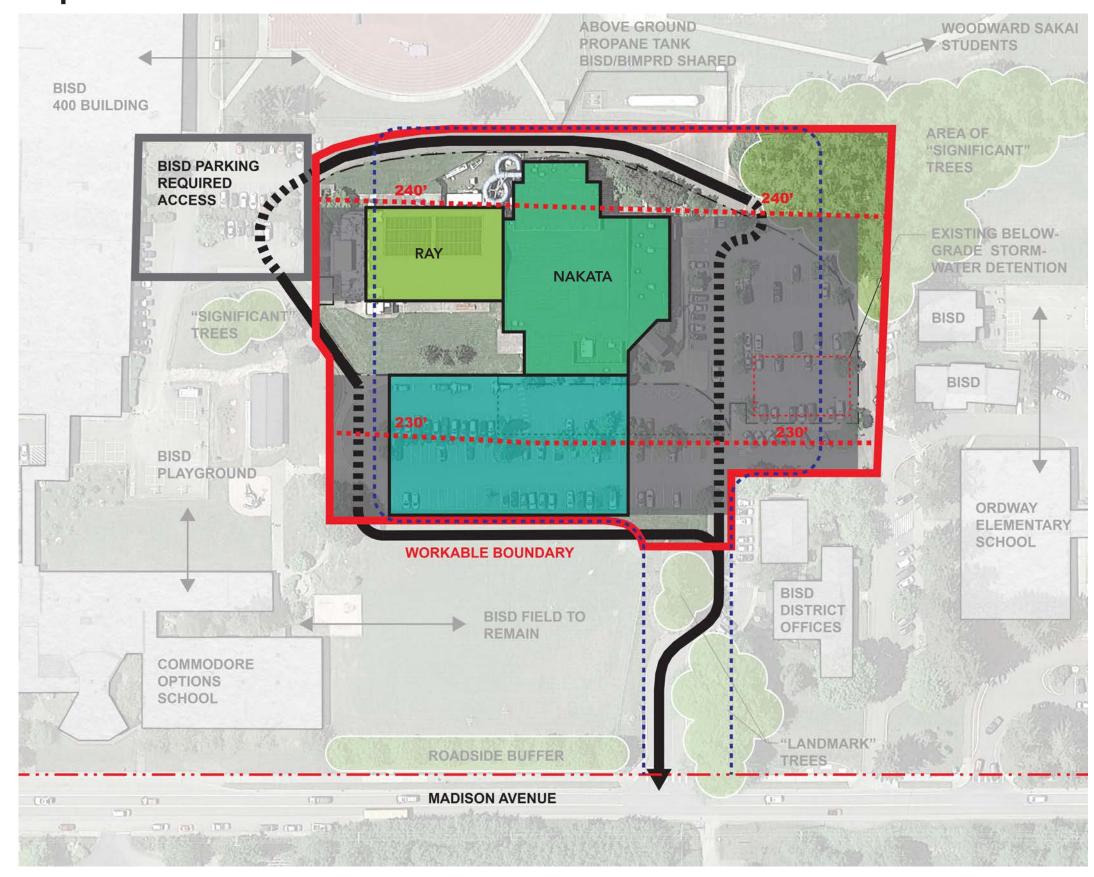


SITE DESIGN OPTIONS









Lot Coverage (in ft²⁾:

Building	62,000
(Existing)	33,500
(New)	28,500
Parking	42,000
Road	8,000
Total	112,000

Parking Count (300 ft² per stall):

Existing	149
Proposed	140
Delta	9

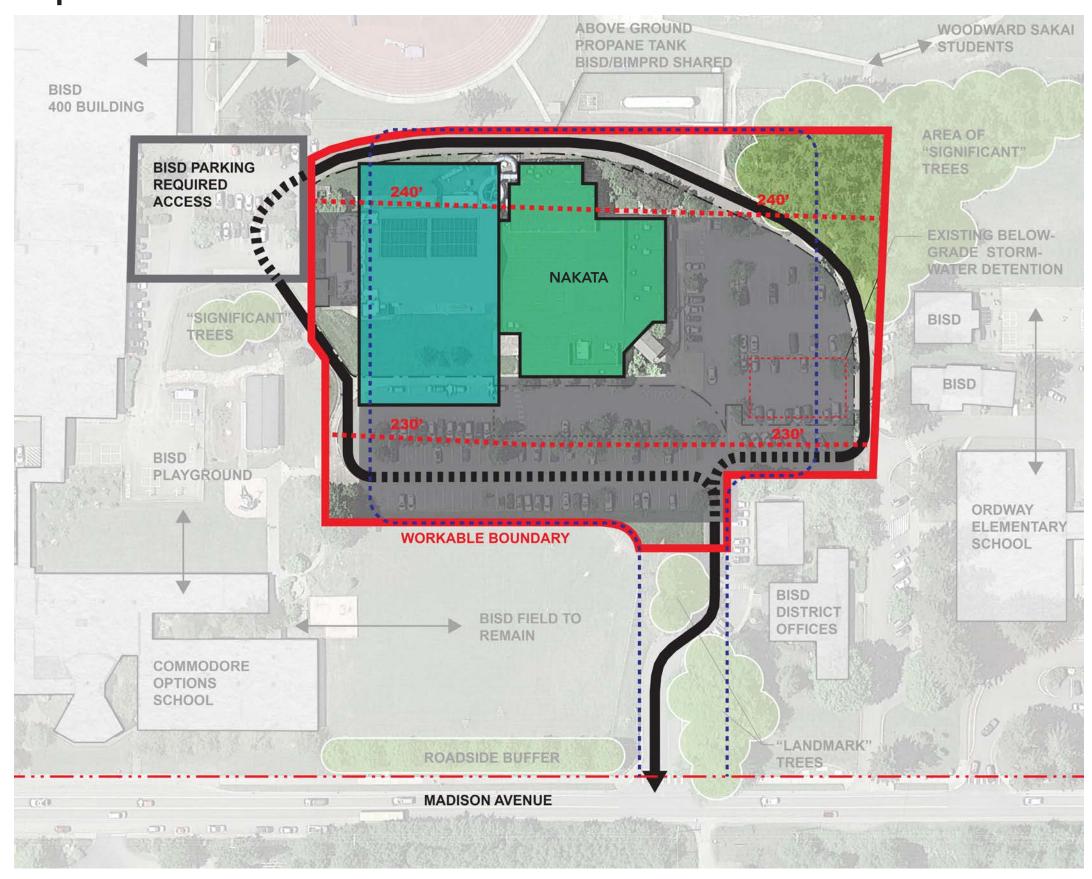






Site - Options

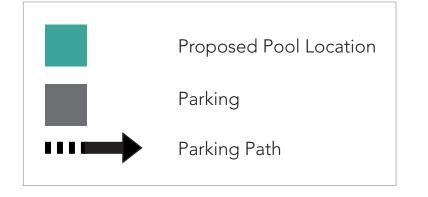




Lot Coverage (in ft²):

Building	52,500
(Existing)	24,000
(New)	28,500
Parking	51,500
Road	4,500
Total	108,500

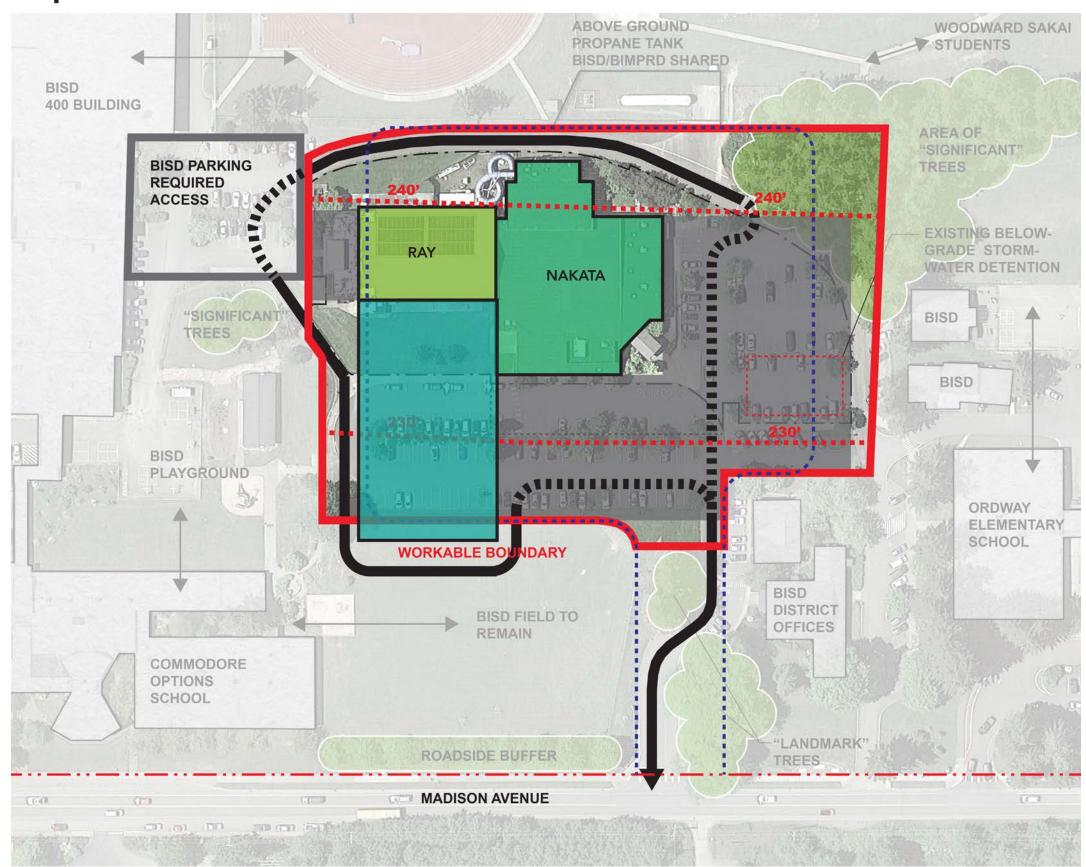
Delta	+23
Proposed	172
Existing	
	4.40











Lot Coverage (in ft²):

Building	62,000
(Existing)	33,500
(New)	28,500
Parking	48,000
Road	12,000
Total	122,000

Parking Count (300 ft² per stall):

Delta	+11
Proposed	
<u> </u>	
Existing	149

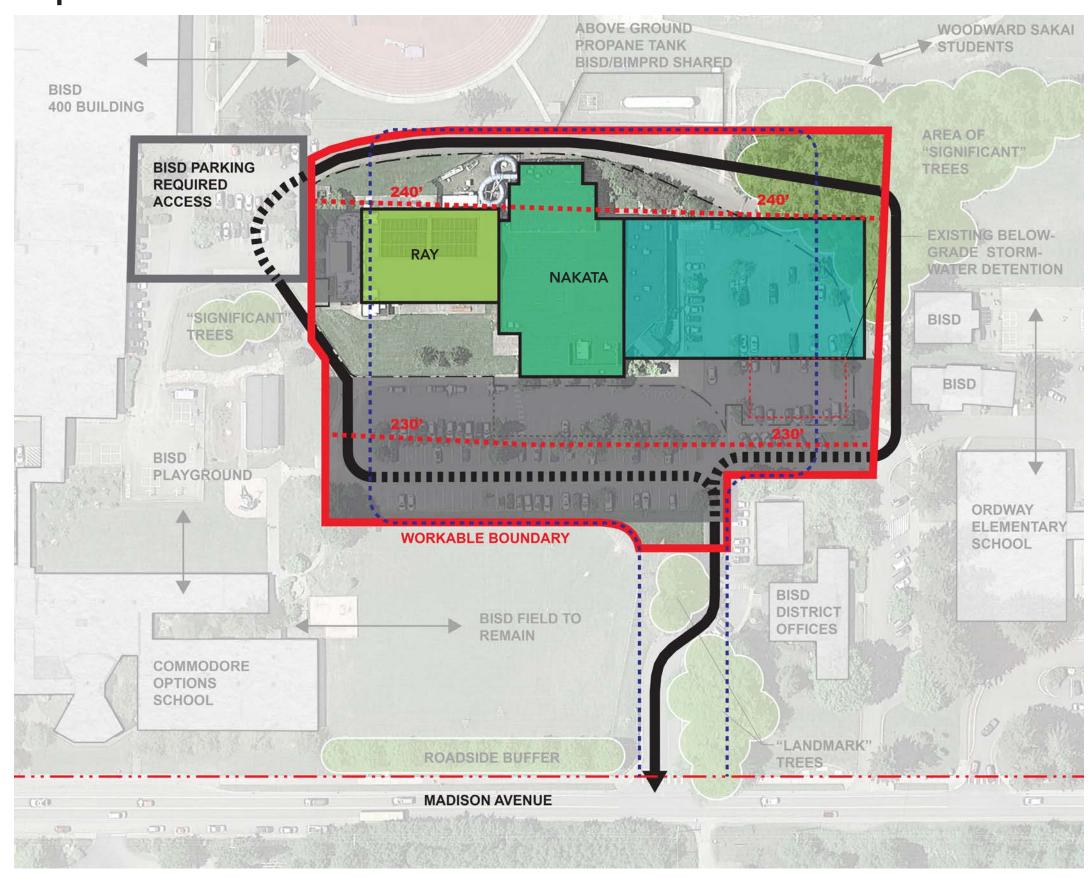






Site - Options





Lot Coverage (in ft²):

Building	62,000
(Existing)	
(New)	28,500
Parking	43,300
Road	10,500
Total	

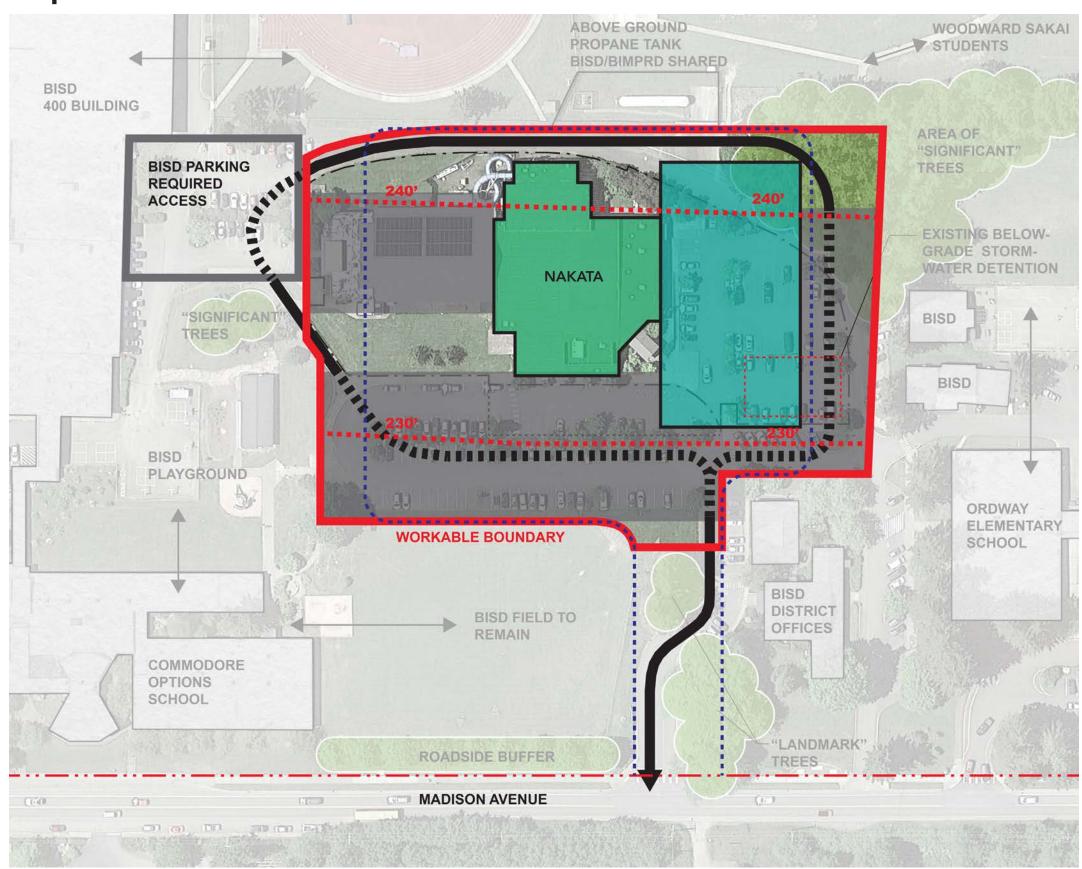
Existing	
Proposed	
Delta	5











Lot Coverage (in ft²⁾:

Building	52,500
(Existing)	24,000
(New)	28,500
Parking	64,200
Road	
Total	124,400

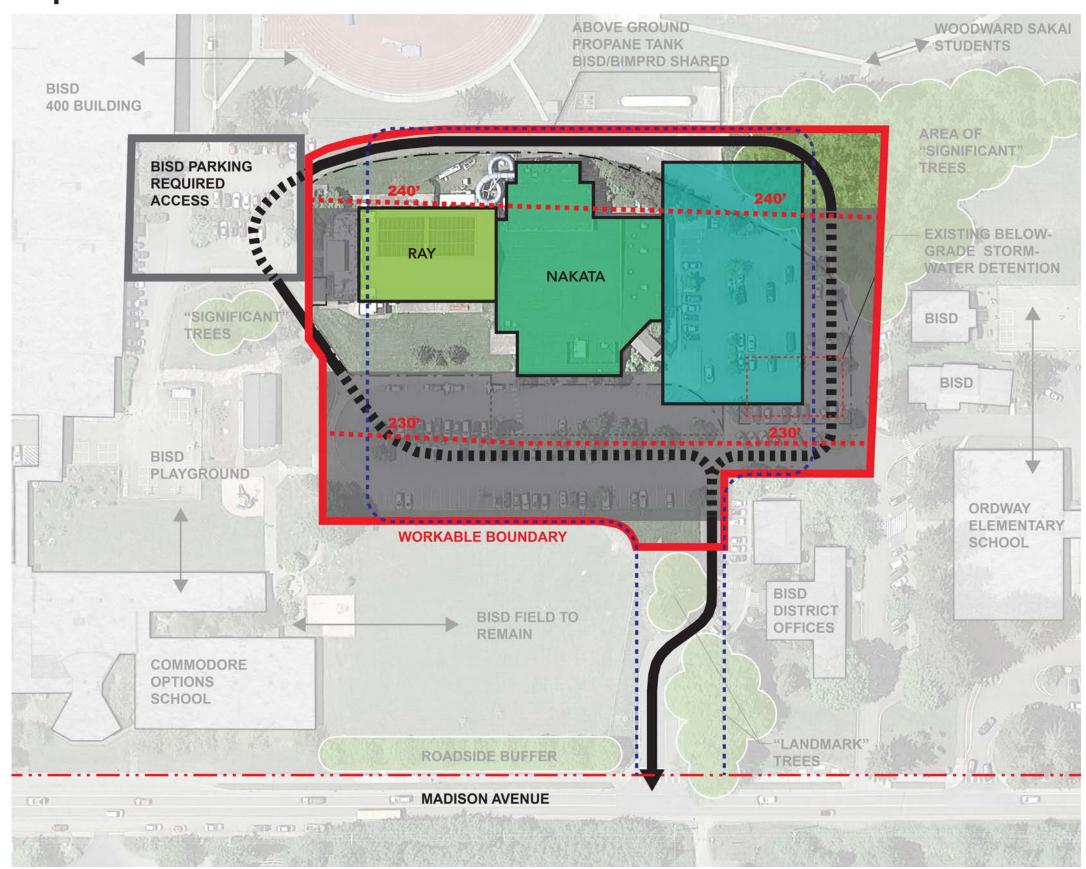
Delta	+65
Proposed	
<u> </u>	
Existing	149







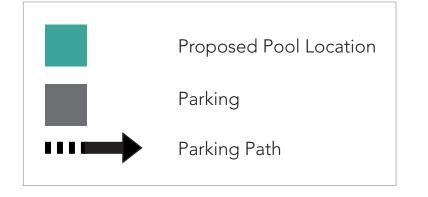




Lot Coverage (in ft²⁾:

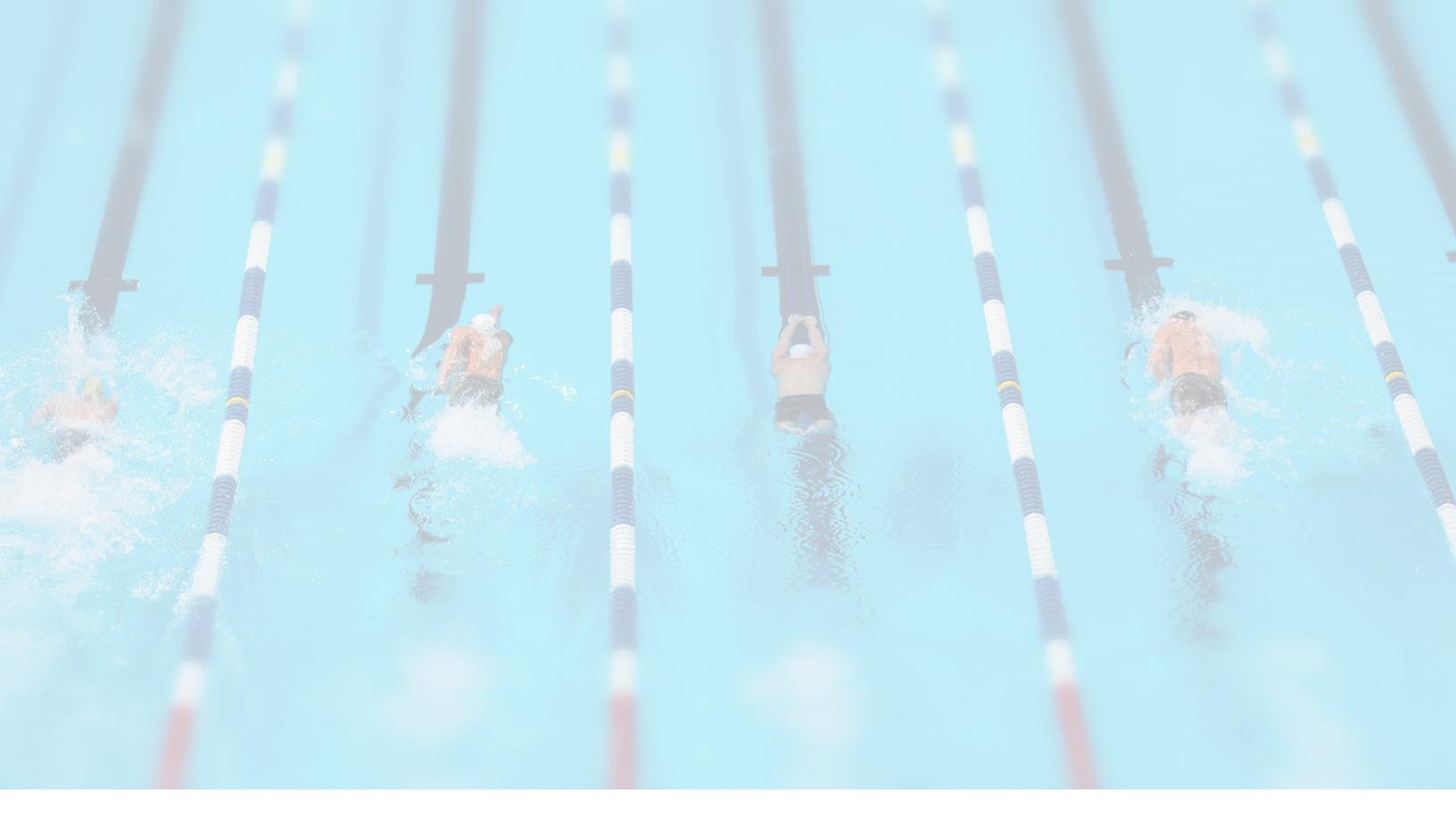
Building	62,000
(Existing)	33,500
(New)	28,500
Parking	51,000
Road	7,700
Total	120,700

Delta	+21
Proposed	
Existing	149





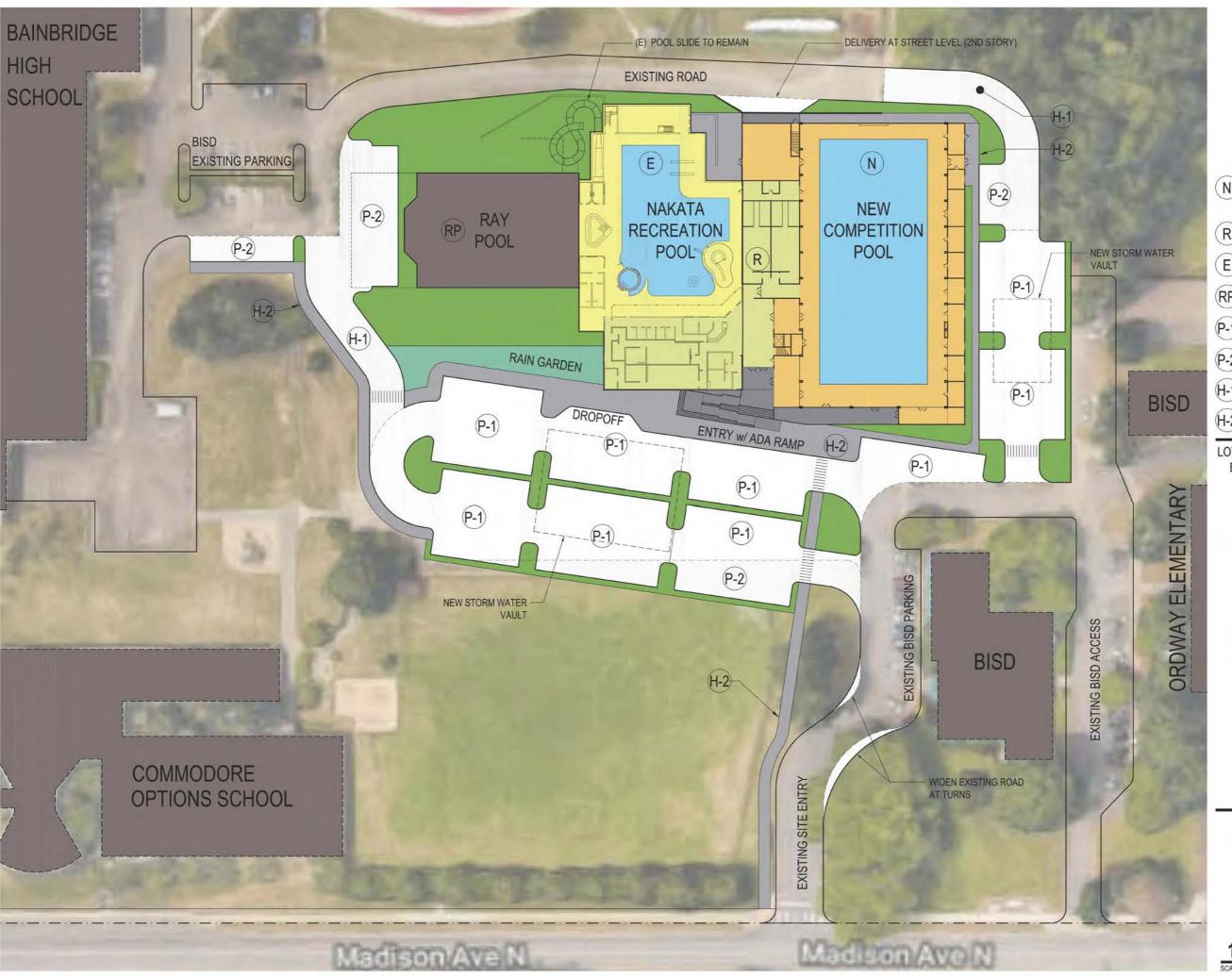




PLANS







COATES DESIGN

Responsible Architecture.

900 WINSLOW WAY E SUITE 210 BAINBRIDGE ISLAND WA 98110 P 206.780.0876

BIMPRD NATATORIUM **FEASIBILITY STUDY**

N NEW AQUATICS ADDITION: POOL OPTIONS-52M, 33M, AND 25M

(R) REMODEL PORTION OF NAKATA FACILITY

E EXISTING NAKATA POOL TO REMAIN

(RP) REPURPOSE EXISTING RAY POOL

(P-1) OVERLAY PARKING-41,250 SQ.FT.

P-2 NEW PARKING-9,200 SQ.FT.

7,700 SQ.FT.

(H-1) NEW ROAD SECTION-

(H-2) NEW SIDEWALK-12,400 SQ.FT.

LOT COVERAGE:

EXISTING-

RAY-12,500 SQ.FT. NAKATA-24,000 SQ.FT. 36,500 SQ.FT.

PROPOSED 52M POOL-

RAY-(-3,000 SQ.FT.) 28,500 SQ.FT. 52M POOL-62,000 SQ.FT. TOTAL-ADDITIONAL- 25,500 SQ.FT.

PROPOSED 33M POOL-

RAY-(-3,000 SQ.FT.) 33M POOL-24,000 SQ.FT. 57.500 SQ.FT. TOTAL-ADDITIONAL- 21,000 SQ.FT.

PROPOSED 25M POOL-

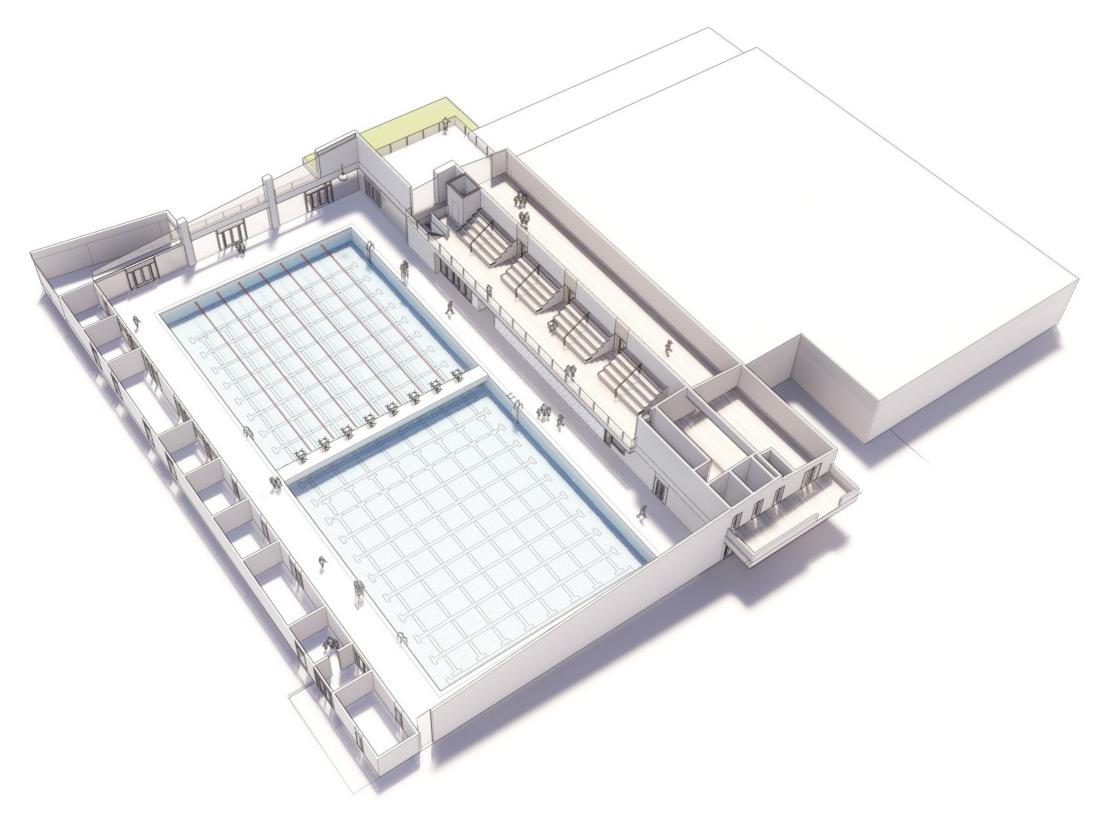
RAY-(-3,000 SQ.FT.) 21,500 SQ.FT. 25M POOL-TOTAL-55,500 SQ.FT. ADDITIONAL- 18,500 SQ.FT.

PARKING COUNT:

EXISTING SPACES-149 PROPOSED SPACES-170 ADDITIONAL SPACES-21

1 SITE PLAN, PARKING PLAN

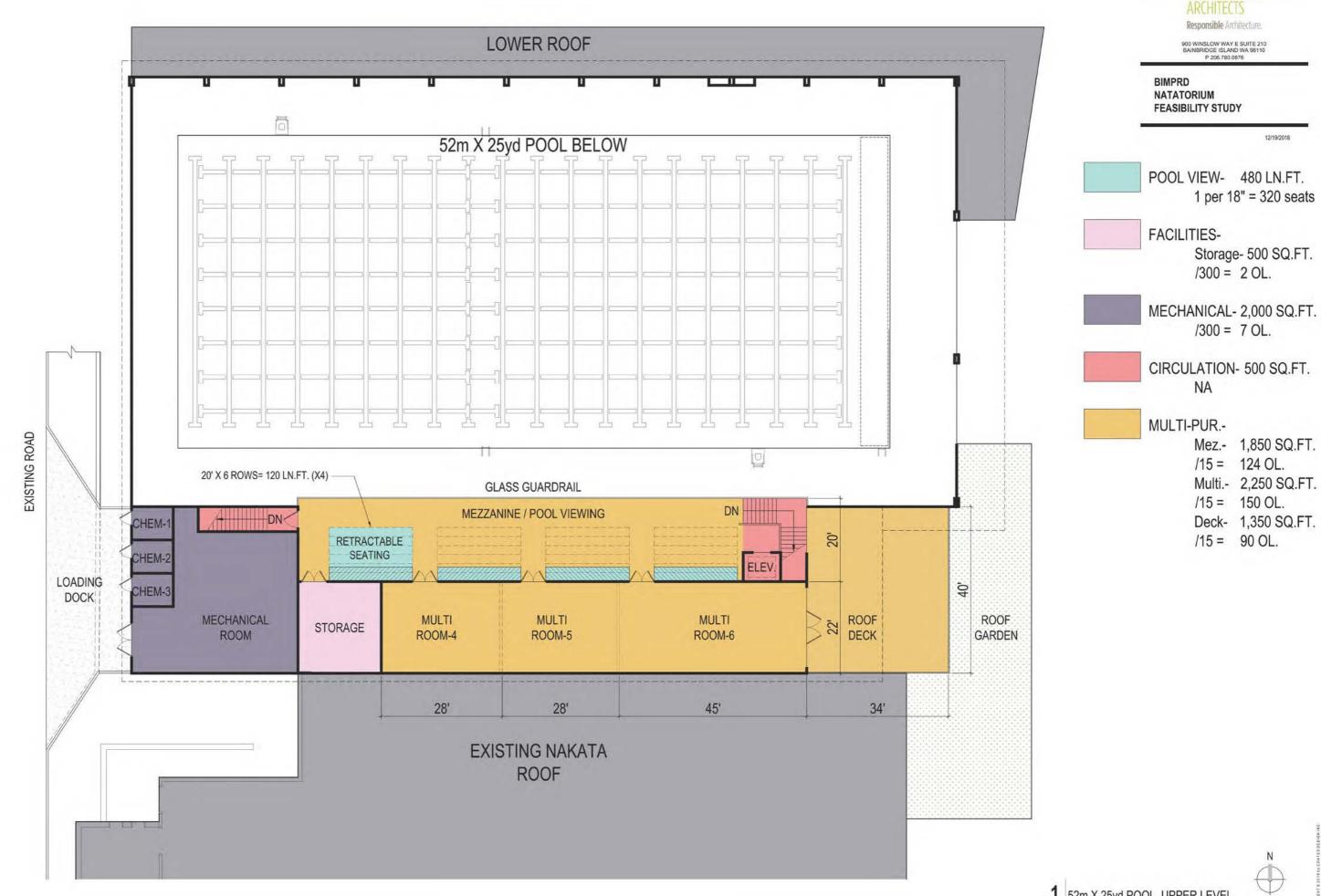
52 M Pool Facility





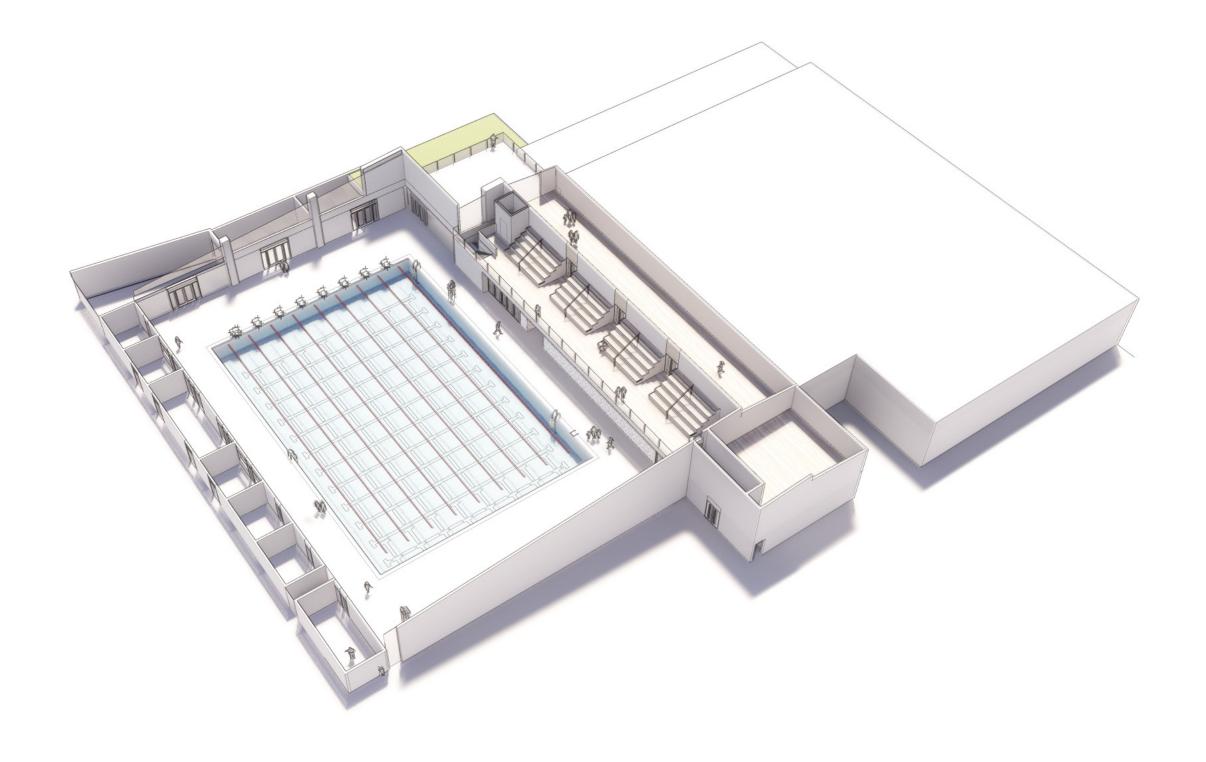






COATES DESIGN ARCHITECTS

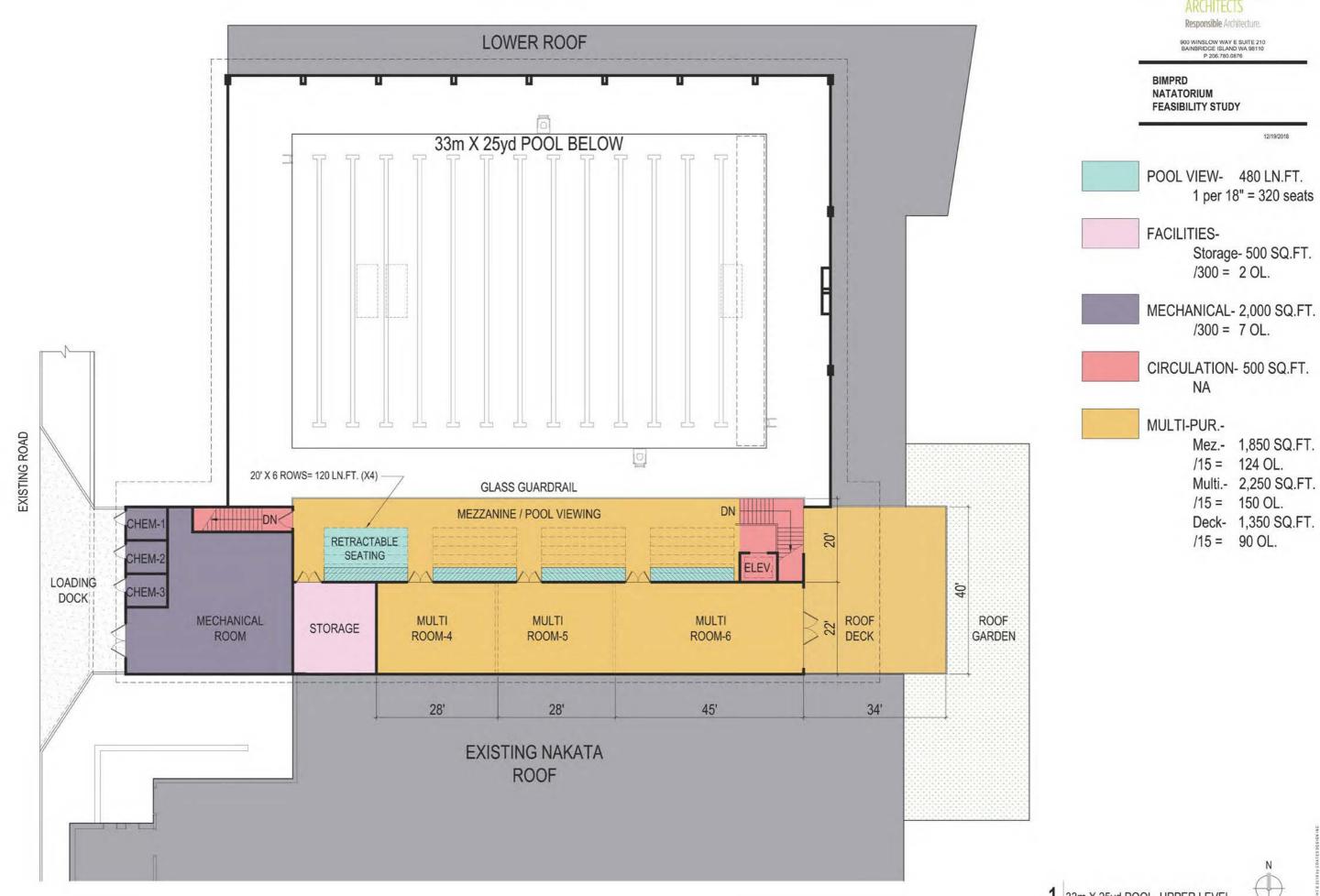
33 M Pool Facility





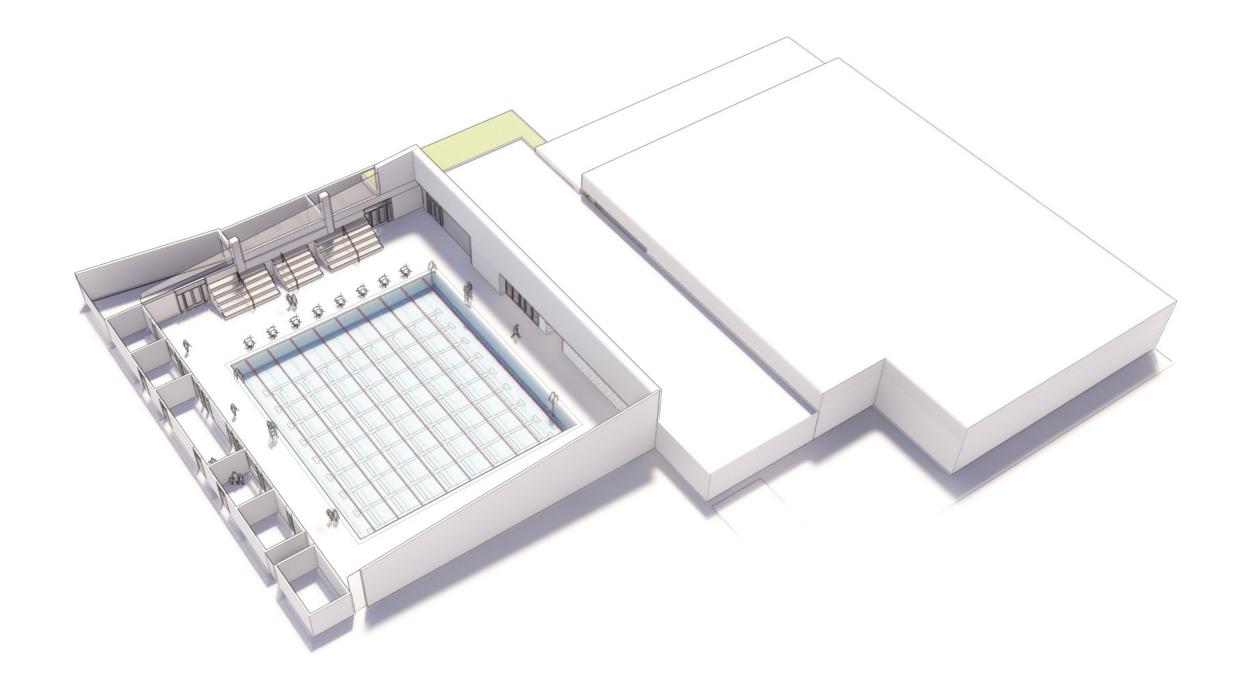






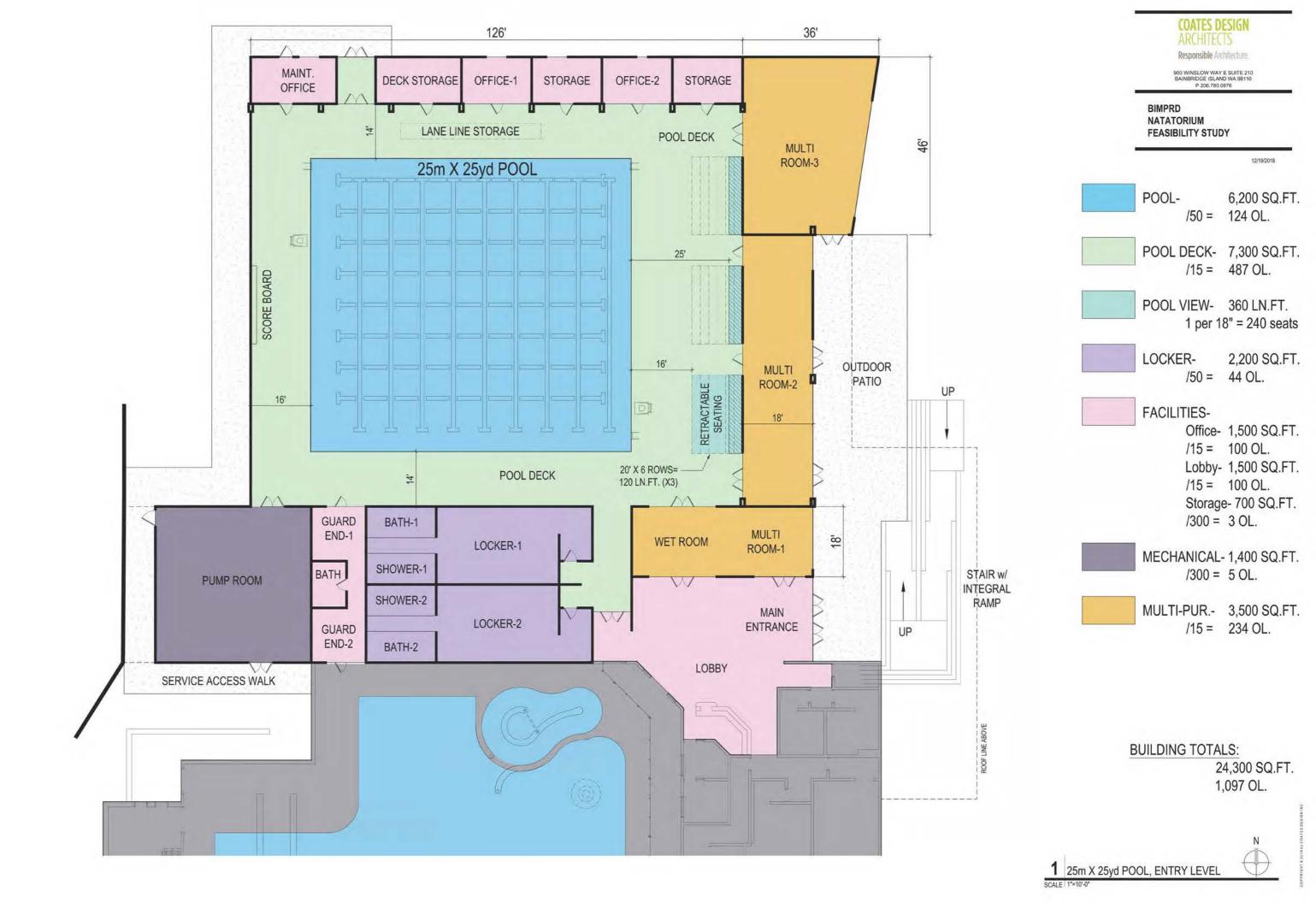
COATES DESIGN ARCHITECTS

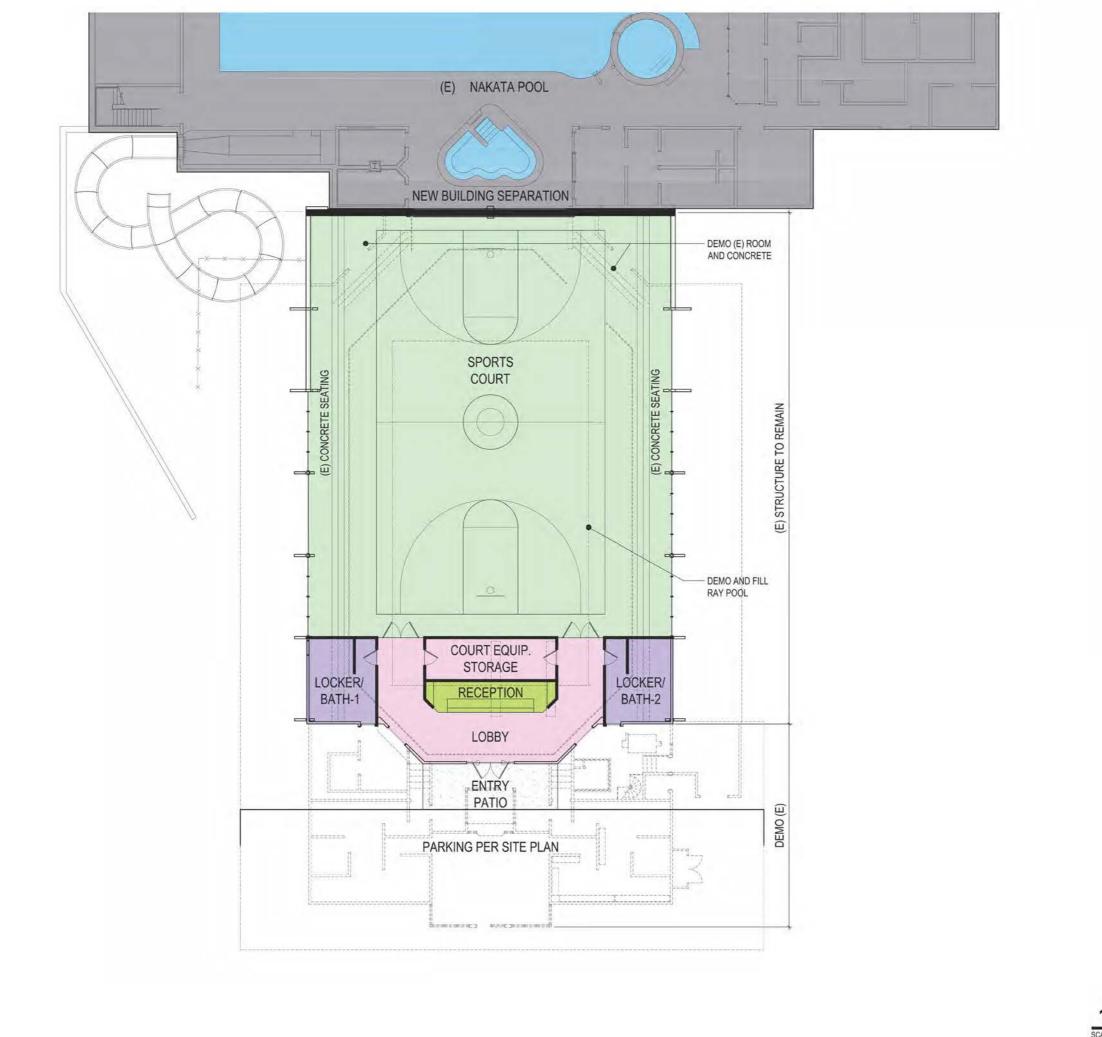
25 M Pool Facility











COATES DESIGN ARCHITECTS

900 WINSLOW WAY E SUITE 210 BAINBRIDGE ISLAND WA 98110 P 206.780.0876

Responsible Architecture

BIMPRD NATATORIUM FEASIBILITY STUDY

12/19/20

SPORTS

COURT-

7,400 SQ.FT.

/50 = 148 OL.

LOCKER-

600 SQ.FT.

/50 = 12 OL.

FACILITIES-

Lobby- 800 SQ.FT. /15 = 54 OL.

Storage- 300 SQ.FT.

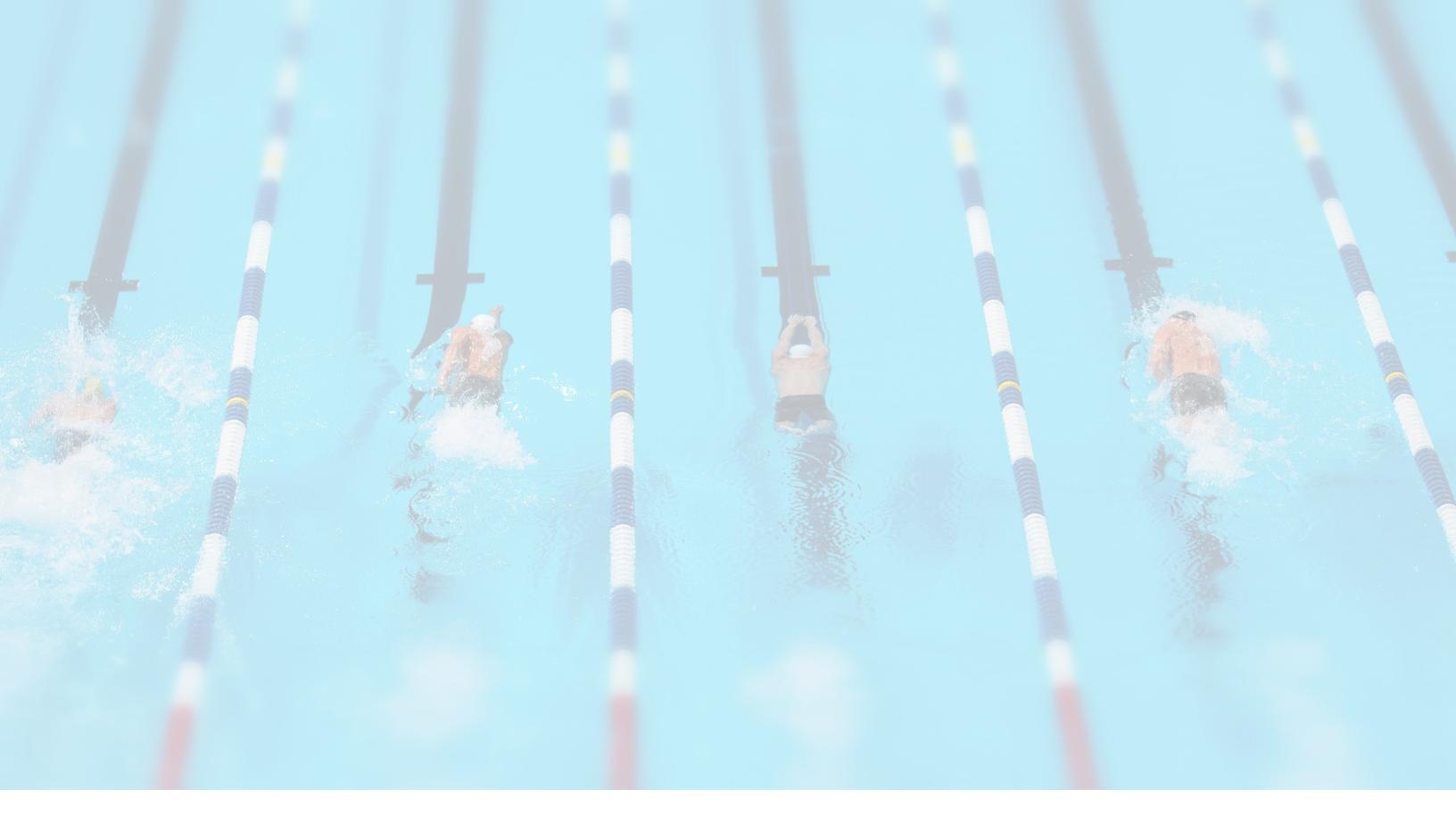
/300 = 1 OL.

RECEPTION- 200 SQ.FT.

/50 = 4 OL.

BUILDING TOTALS:

9,300 SQ.FT. 219 OL.



PRICING





Pricing

Project conceptual cost estimates provided by the Robinson Company

- Estimates for each new building option and site development
- Estimate for repurposed Ray Pool

Construction Cost

- Cost Incurred by Construction
 Contractor to Build Project
- Estimating Methodology:
 - Square Foot Estimating
 based on Historical Data
 - Unit Cost per Sq.Ft.
 - Higher Contingency
 - 10%
 - Escalation Factor
 - July 2020 (5% year)



Soft Cost

- Costs that are Not Direct Construction Costs
 - WA State Sales Tax
 - Architectural, Engineering, and Consultants
 - Permits
 - Testing and Inspection
 - Outside Construction Management Team
 - Legal
 - Other
- Estimates based on % Range of Construction Cost
 - 46% to 57%

Total Project Cost







Cost Estimate - 52 M Pool

Construction Cost	
New Building for 52 M Pool	\$ 19,954,524
Remodel Portion of Nakata	\$ 1,649,941
Site Development	\$ 5,307,261
Total Construction Cost	\$ 26,911,726

Soft Cost		
Percentage Range Based on Construction Cost	46%	57%
Total Soft Cost (Range)	\$ 12,379,394	\$ 15,339,684
Total Project Cost (Range)	\$ 39,291,120	\$ 42,251,410





Cost Estimate - 33 M Pool

Construction Cost	
New Building for 33 M Pool	\$ 16,913,876
Remodel Portion of Nakata	\$ 1,649,941
Site Development	\$ 5,307,261
Total Construction Cost	\$ 23,871,078

Soft Cost		
Percentage Range Based on Construction Cost	46%	57%
Total Soft Cost (Range)	\$ 10,980,696	\$ 13,606,514
Total Project Cost (Range)	\$ 34,851,774	\$ 37,477,592







Cost Estimate - 25 M Pool

Construction Cost	
New Building for 25 M Pool	\$ 11,957,344
Remodel Portion of Nakata	\$ 1,649,941
Site Development	\$ 5,307,261
Total Construction Cost	\$ 18,914,546

Soft Cost		
Percentage Range Based on Construction Cost	46%	57%
Total Soft Cost (Range)	\$ 8,700,691	\$ 10,781,291
Total Project Cost (Range)	\$ 27,615,237	\$ 29,695,837







Cost Estimate - Repurposed Ray Pool

Construction Cost

Repurpose Ray Pool \$ 3,372,113

Soft Cost		
Percentage Range Based on Construction Cost	46%	57%
Total Soft Cost (Range)	\$ 1,551,172	\$ 1,922,104
Total Project Cost (Range)	\$ 4,923,285	\$ 5,294,217







Total Project Cost Comparison

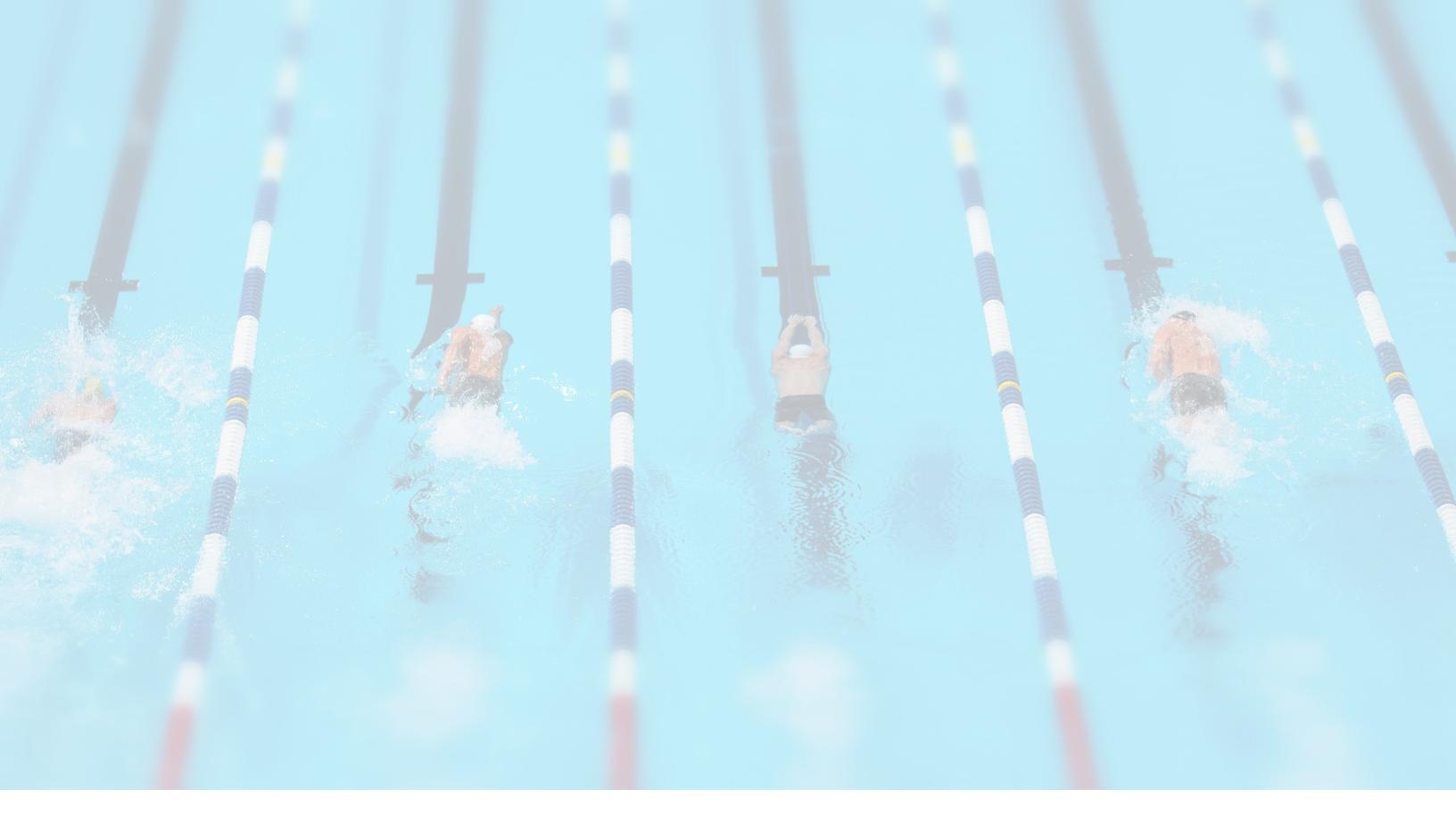
52 N	/I Facility	33 N	/I Facility	25 N	// Facility	Ray I	Pool
\$	39,291,120	\$	34,851,774	\$	27,615,237	\$	4,923,285
\$	42,251,410	\$	37,477,592	\$	29,695,837	\$	5,294,217







Slide 47 of 47 Pricing 01/17/2019



OPERATIONAL STUDY



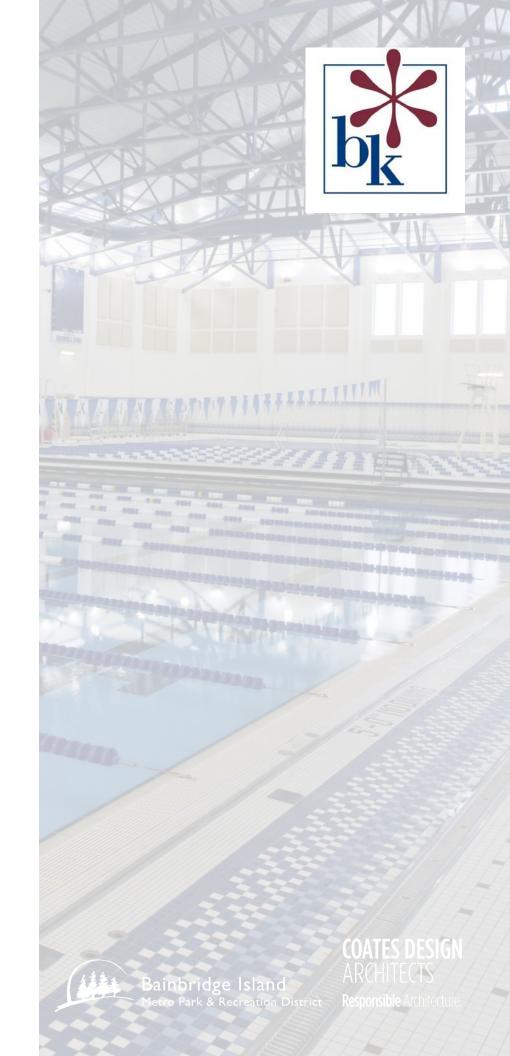


Operational Study

Operational Projections and Economic Impact for each Proposed Pool, Provided by Ballard King & Associates

- Projections Compare Exiting and Each Proposed Facility:
 - Existing = Existing Ray and Nakata
 - 25Y x 25M= Existing Nakata Pool with New 25Y x 25M Pool
 - 25Y x 33M= Existing Nakata Pool with New 25Y x 33M Pool
 - 25Y x 52M= Existing Nakata Pool with New 25Y x 52M Pool
- Operational Expenses / Revenue Generation Projections

	Existing	25Y X 25M	25Y X 33M	25Y X 52M
Revenue	\$1,249,560	\$1,276,334	\$1,295,661	\$1,346,031
Expense	\$1,921,172	\$2,051,663	\$2,191,686	\$2,245,802
	\$671,612	\$775,330	\$896,024	\$899,771



Slide 49 of 47 Operational Study 01/17/2019

Operational Study

Economic Impact of 52M Pool (50M) Provided for KPFD Funding

Year One:

- 4 25Y Age Group Swim Meets

- 1 50M Age Group Swim Meet

- 2 25Y Master Swim Meets

- 3 Water Polo Club Tournaments

Spending Impact: \$2,338,800

Hotel Impact: \$1,066,500

Total Impact: \$3,405,300

Potential Increases:

- 8 25Y Age Group Swim Meets

- 3 50M Age Group Swim Meets

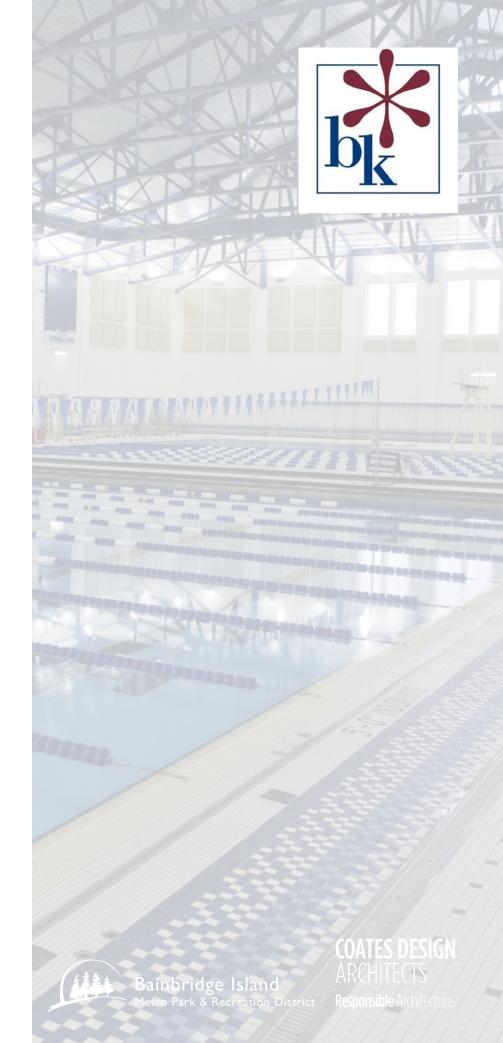
- 4 25Y Master Swim Meets

- 6 Water Polo Club Tournaments

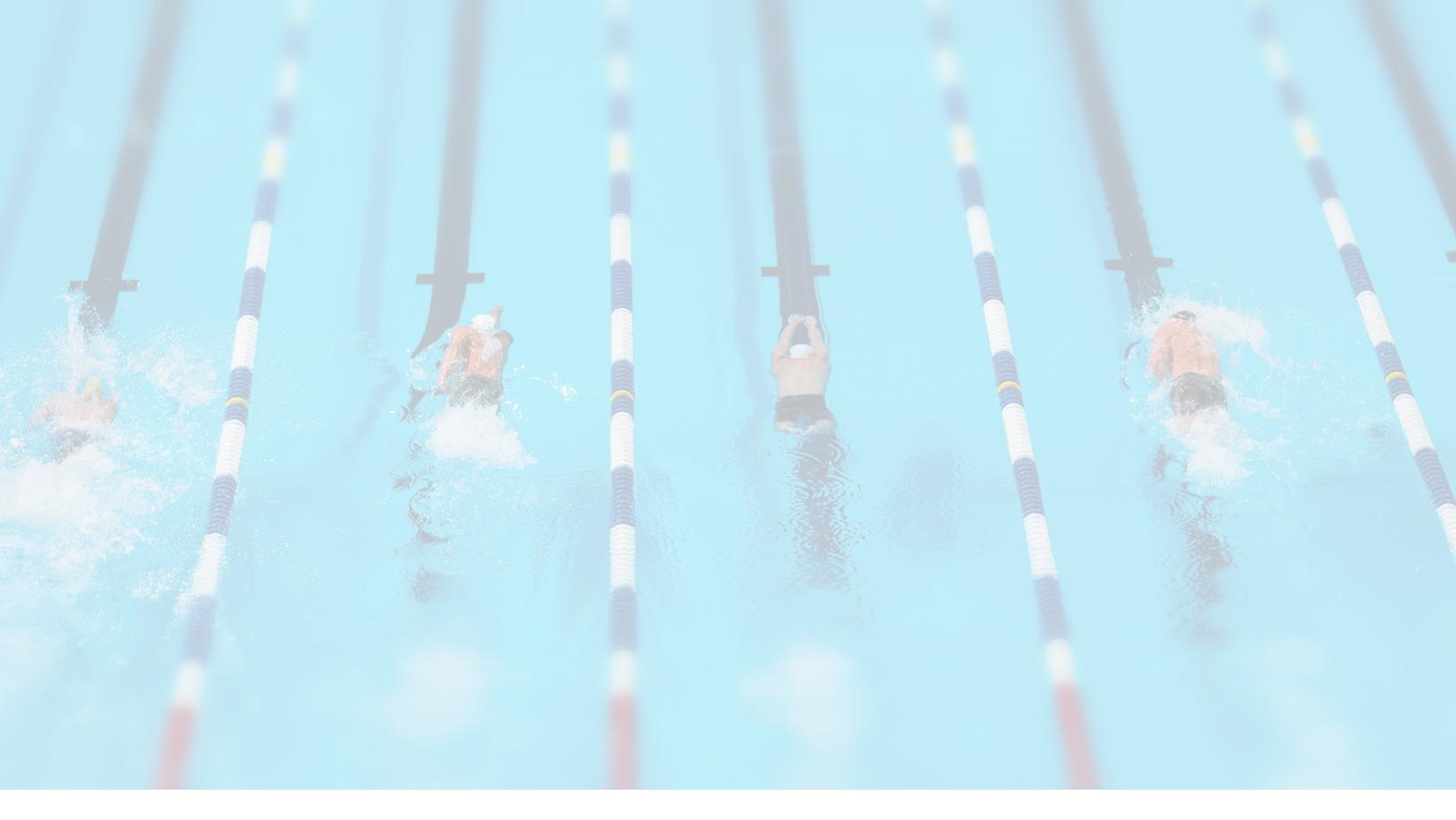
Spending Impact: \$5,127,600

Hotel Impact: \$2,335,500

Total Impact: \$7,463,100



Slide 50 of 47 Operational Study 01/17/2019



THANK YOU



