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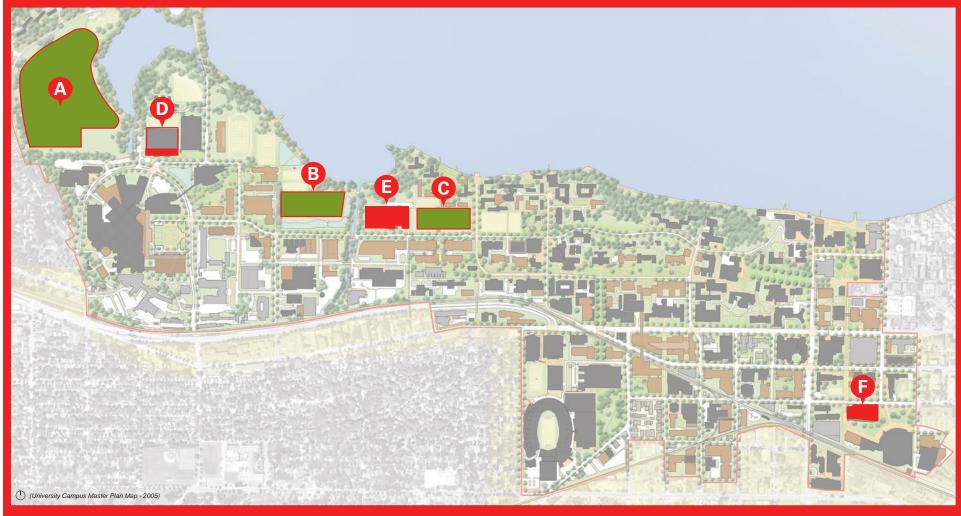
EXECUTIVE SUMMARY

Kahler Slater was originally retained by the University of Wisconsin – Madison (UW) in 2006, and again in 2007 to identify and quantify the recreational space needs on campus. That study resulted in a proposed recreation building expansion at the Natatorium and is outlined in a report document dated June 2008 (DFD #05J2N).

This Master Plan process started with and built upon the June 2008 study which concluded that the Natatorium site would be the location for the new recreation facility. For this study, the SERF, Nielsen Tennis Stadium, University Bay/Far West Fields, Near West Fields, and Near East Fields were also included. This allows for maximum future flexibility so all students, faculty and staff have access to recreational facilities.

The Recreational Sports Master Plan's goal is to provide a comprehensive evaluation of the current and future health and wellness needs for students at UW. This study also documents the existing facilities available and how the facilities are meeting the needs of these programs.

This report outlines the process Kahler Slater and this committee used to quantify the size, determine the location and quantify the costs for new recreational facilities, both interior and exterior, at the University of Wisconsin – Madison.



New or Rehabilitated Recreation/Athletic Fields

- A University Bay/Far West Fields
- **B** Near West Fields
- C Near East Fields

New or Rehabilitated Recreation/Athletic Facilities

- D Nielsen Wellness Center and Tennis Stadium
- **E** Natatorium
- F South East Recreational Facility

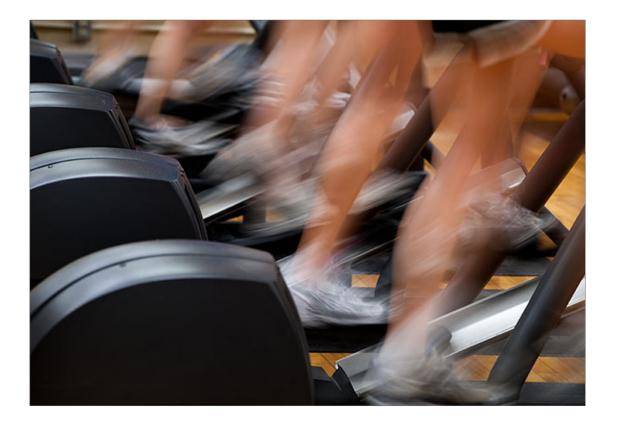
THE NEED

UW Rec Sports identified deficiencies in the current recreational facilities and fields available to UW students they want addressed. Available facilities are considered by students as inadequate for desired current and future programming. They also determined that the recreational facilities are severely inadequate compared to peer universities.

The current facilities are outdated, overcrowded and are in need of extensive repairs and deferred maintenance due to failing infrastructure. Existing facility assessment reports and deferred maintenance lists are included in the appendix.

The Kinesiology department currently resides in the Natatorium. Their facilities are also outdated and are in need of an overhaul. The plan calls for the department to be relocated within the new Natatorium.

It is Rec Sports vision to enhance the UW-Madison experience by providing students, faculty and staff with top quality programs, services and facilities. The master plan includes designs to renovate and/or reconstruct most of the indoor and outdoor recreational facilities at UW-Madison.



EXECUTIVE SUMMARY











U-Bay Fields

SERF

Near West Fields

Natatorium

Near East Fields

CONCLUSION

This study concludes that the addition to the Natatorium (2008 study) is no longer a viable option for the increased programmatic needs of Rec Sports. The Study Committee chose to construct a new Natatorium and SERF, on their existing sites. An addition of a wellness facility is to be added to Nielsen Tennis Stadium. University Bay/Far West Fields, Near West Fields, and Near East Fields are to be renovated, including combinations of natural and synthetic turf.

Currently, the Shell is used almost extensively by Rec Sports. It houses an indoor track, basketball/volleyball courts, ice rink and locker facilities, and fitness space. The future of the facility is undetermined so Rec Sports has decided to relocate its program space elsewhere on campus.

Outdoor Fields

The master plan reviewed multiple options for University Bay/Far West Fields, Near West Fields, and Near East Fields. Versions with varying amounts of synthetic turf, which expands playability throughout the year, were explored at each site. Fields included in the plan are:

University Bay/Far West Fields

- (2) synthetic turf soccer fields
- (2) synthetic turf lacrosse fields
- (2) natural turf rugby fields
- (2) natural turf softball fields
- (1) natural turf baseball field
- (2) shelters, including concessions and restrooms
- Walking/jogging path surrounding all fields
- New lighting to maximize playability

Fencing around the synthetic turf fields

Near West Fields

- (4) synthetic turf flag football fields
- (1) championship soccer field (overlaid)
- Decorative fencing with brick piers surrounding all fields
- New lighting to maximize playability

Near East Fields

- (4) synthetic turf rec soccer fields
- (1) championship soccer field (overlaid)
- Decorative fencing with brick piers surrounding all fields
- New lighting to maximize playability
- Bleacher seating for spectators

Lighting the fields was determined to be necessary to allow for use later into the day, which dramatically increases the amount of students who can participate in outdoor rec sports activities.

Natatorium

- 470.900 SF total
- 385,000 SF of recreation space
- 44,900 SF of fitness space
- (6) multi-purpose rooms
- 32,000 SF turf gym
- (12) basketball/volleyball/badminton courts
- (6) racquetball courts
- 85'x200' recreational ice sheet
- 4-lane running/walking track 4.5 laps/mile
- 8-lane 25 yd. pool
- Recreation/exercise pool
- 81,900 SF of Kinesiology

At the beginning of the master plan process,

alternative sites for the Natatorium were suggested by the design committee, but it was determined by FP&M that the only appropriate site is where the building currently resides. This required the design team to explore multiple options of how to fit the required program on the site. This included options which explored retaining existing portions of the current building, and options which demolished the existing building and built new. A building height limit of 60' - 65' was determined by FP&M, which eliminated multiple options. In the end, it was determined that a new building supplied Rec Sports with the most future flexibility, given the amount of program which needed to be included on the site.

Through the master plan process, it was determined that the competition pool and diving well will not be included in the future plans for the facility. The pools included are for recreational purposes.

The Natatorium houses both Rec Sports and Kinesiology. Between the two, at the heart of the design, is the shared lobby / lounge. All users of the building enter through this shared space, providing a social hub for the building and campus neighborhood. The wood clad ceiling extends the space outside, creating a covered entry courtyard along Observatory Drive.

The exterior includes natural materials which complement many of the surrounding structures. Buff colored brick, terracotta paneling and limestone are composed together to break down the larger volumes of the building.

South East Recreational Facility (SERF)

- 259,200 total building SF
- 233,000 SF of recreation space
- 35,500 SF of fitness space
- 26,200 SF of aquatic space
- (9) multi-purpose rooms
- (9) basketball/volleyball/badminton courts
- (6) racquetball courts
- 3-lane running/walking track 7 laps/mile
- Existing 63 meter pool renovated

Like the Natatorium, alternative sites for the SERF were suggested by the design committee, but it was determined by FP&M that the only appropriate site is where the building currently resides. Multiple options, both renovation/addition and new were studied. Once again, it was determined that a new building supplied Rec Sports with the most future flexibility, given the amount of program which needed to be included on the site.

The new SERF is completely re-planned and restacked to maximize efficiency and visual openness on a tight urban site. The entry lobby is open to the fitness and track levels above, showcasing much of the activity in the building to all who enter.

On the exterior, the gymnasium volume, which includes 9 basketball/volleyball/badminton courts, becomes the visual focus of the building. Clad in alternating glass and translucent panels, the volume provides a light and delicate aesthetic. This counters the current design of the SERF, which many see as a dark, windowless box, and provides life and activity along Dayton St.

The pool at the SERF was subject to much debate during the master plan process. The design team produced multiple options based off of the following overall concepts:

- Keep the existing pool and its enclosure, and build a new rec sports facility connected to and around it.
- Keep the existing pool vessel but build a new enclosure surrounding it to simplify the construction process.
- Keep the existing pool, but build a new enclosure surrounding it to simplify the construction process and raise the roof to accommodate for new diving platforms at the east end of the space. The pool was originally designed for diving to be located in that end.
- Build a new 50m competition pool and diving well, with dive tower as part of a completely new facility.

At the conclusion of the master plan process, it was determined that the best solution for Rec Sports and the students would be to keep the existing pool vessel and build a new enclosure around it. Diving platforms would not be added at this time, but could be in the future in some form.

Nielsen Wellness Center and Tennis Stadium

- 47,300 SF addition total
- 20,250 SF fitness space
- 3,500 SF multi-purpose studio
- Renovated Tennis Stadium lobby and court viewing.
- Upscale locker rooms including individual unisex changing rooms.
- Tournament locker rooms accessible from U-Bay fields.

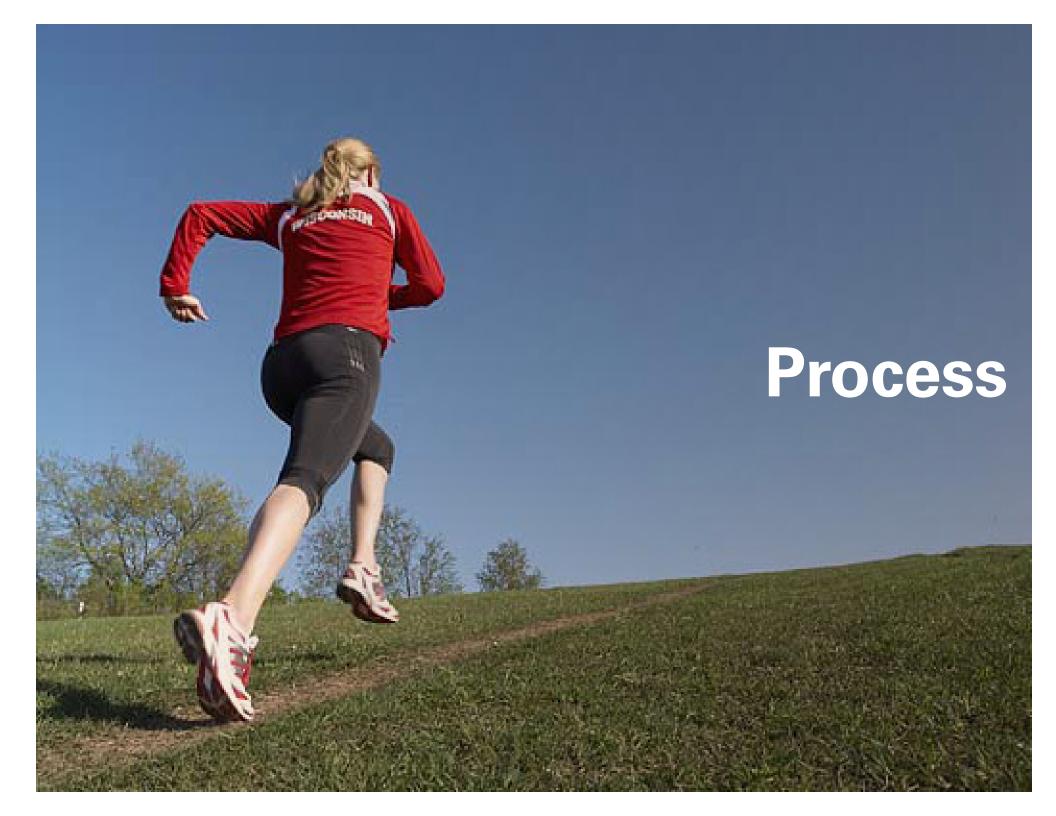
Rec Sports has a desire to partner with a health care provider to provide a new health and wellness facility to serve both employees of the health care provider and students, faculty and staff at UW. An addition to Nielsen Tennis Stadium was determined to be a great location for the facility.

The Wellness Center is designed to be visually open both within the facility and to the exterior. Fitness activities are separated from the street by a delicate glass facade, maximizing daylighting and activating the adjacent streets.

The butterfly roof above the entry provides spatial variation within the fitness center, and is inspired by the folded roof planes of the existing Tennis Stadium.

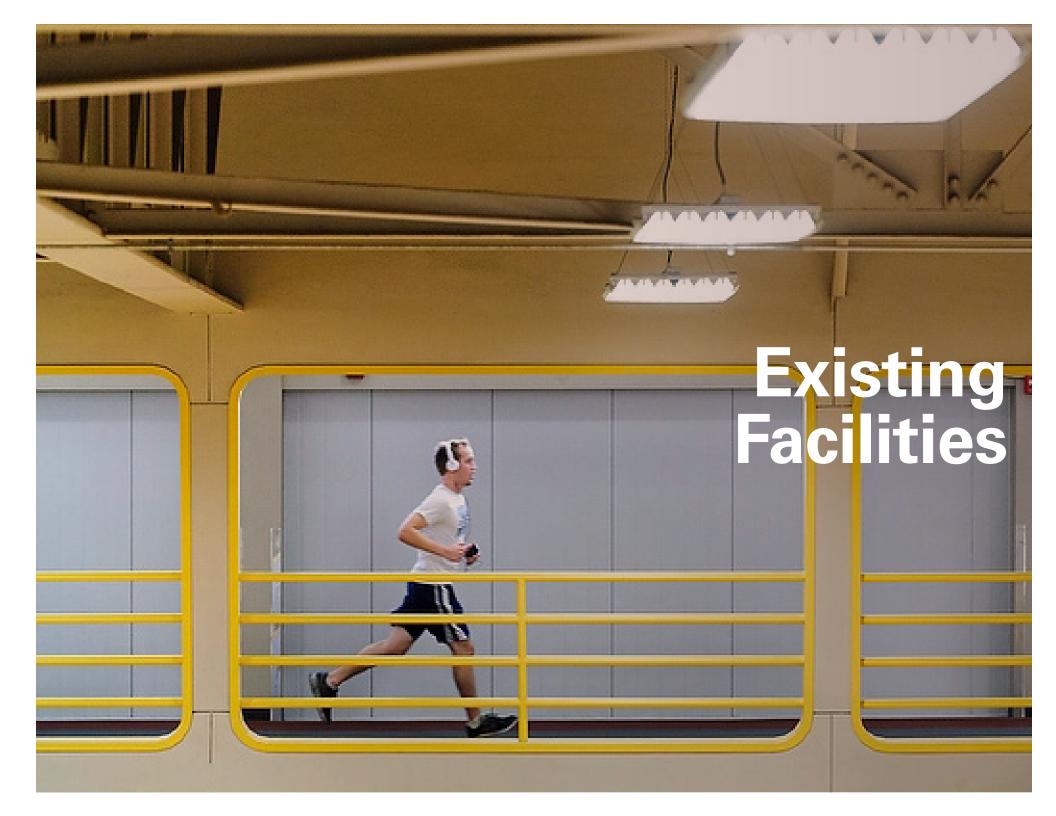
Referendum

At the conclusion of the master plan process, Rec Sports put forth a \$223 million proposal that included the Natatorium, SERF, and Near East & West fields for referendum in March of 2014. The remaining portions of the master plan will be implemented at a later date with outside, private gift and program revenue funding sources.



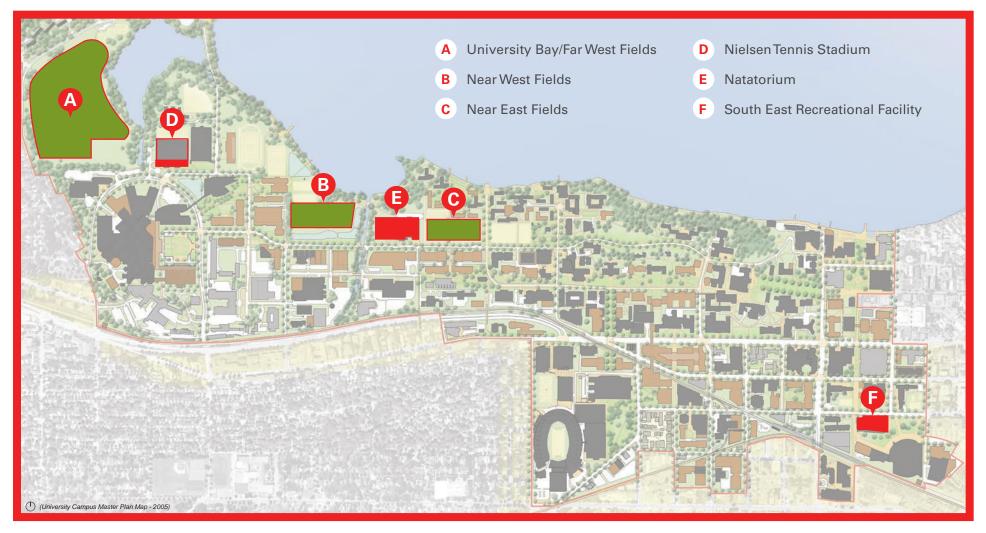
The Kahler Slater Team worked with the Core Committee using their 5D Process as outlined below:

Discover	Dream	Define	Design	Deliver
Where you are today	Where you want to be in the future	Strategies to close the gaps	Solutions to achieve your vision	Making your vision a reality
Discover	Project Kick-off Meeting Workshop1		July 9, 2013 July 25, 2013	
Dream	Workshop 2		August 12, 2013	
Define	Workshop 3		August 30, 2013	
Design	Workshop 4 Workshop 5 Workshop 6		September 23, 2013 October 21, 2013 November 26, 2013	
Deliver	Designs Complete Assemble Report Complete Master Plan		December 2013 January 2014 May 2014	



BACKGROUND

The University of Wisconsin – Madison has four main recreation facilities on campus, three of which are included in this master plan. Those facilities are the Natatorium, the SERF, and the Nielsen Tennis Stadium. There are also outdoor recreation fields on the west side of campus. These include University Bay/Far West Fields, and Near East & West Fields.



A - UNIVERSITY BAY/FAR WEST FIELDS



View of the existing University Bay/Far West Fields

B - NEARWEST FIELDS



View of the existing Near West Fields

C - NEAR EAST FIELDS



View of the existing Near East Fields

D-NIELSENTENNIS STADIUM

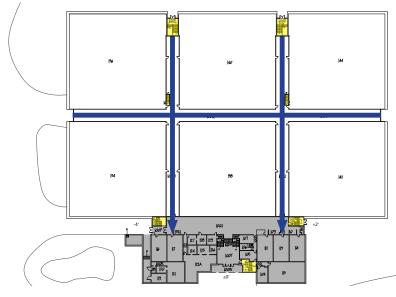
Built in 1968, the Nielsen Tennis Stadium features 18 tennis courts (12 indoor, 6 outdoor), five singles squash courts, and 1 doubles squash court.

More than 6,000 students, faculty, and staff use the facility each week. Also included are locker rooms, and upper level seating for tennis events for more than 1,500 spectators.

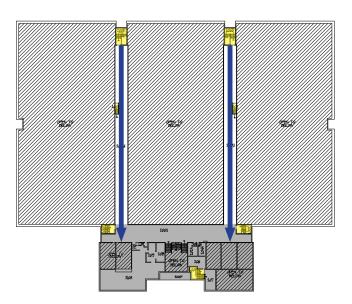
The facility has served as the site for multiple indoor tennis championships both nationally and state wide. In 2012, the facility was renovated, which included upgraded court surfaces, lighting, and scoreboards. All of the upgrades occurred in the tennis court portion of the building. An existing deferred maintenance list is included in the appendix.



View of the existing Nielsen Tennis Stadium



Nielsen First Floor Plan



Nielsen Second Floor Plan

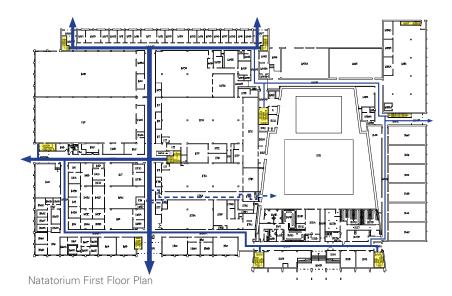
E - NATATORIUM

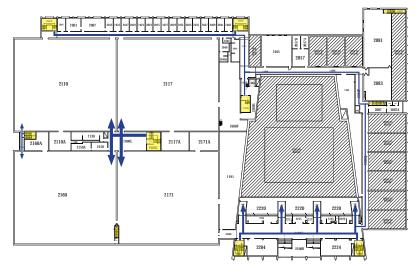
The first facility to be constructed in 1963 was the Natatorium (Nat), located at 2000 Observatory Drive, with the Unit II Gymnasium (Gym) addition being built in 1967. The combined facilities consist of a diving well and lap pool, cardio/weight training, racquetball, gymnasiums, group fitness, locker room, member service, and office spaces. The gross square footage of this facility is 249,578. The assignable square footage for Recreational Sports is 83,000.

In addition to recreation spaces, the Natatorium is an academic facility for Department of Kinesiology; therefore, recreational activity spaces are interspersed with classroom and laboratory spaces throughout the facility. An existing facility assessment and deferred maintenance list is included in the appendix.



View of the existing Natatorium





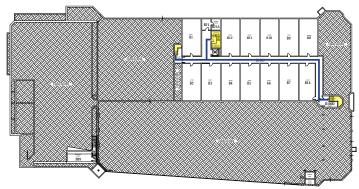
Natatorium Second Floor Plan

F - SERF

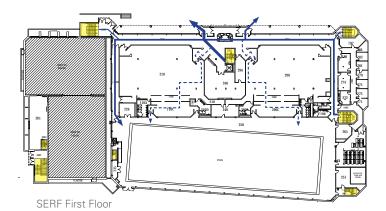
The South East Recreational Facility (SERF) at 715 W. Dayton Street was constructed in 1983 to serve many students living in campus residence halls nearby. This very popular facility is in the Southeast corner of campus. The SERF houses the east campus Recreational Sports Office in room 287. Although informal recreation has many hours available each day, the facility is shared with Kinesiology, Physical Education, and Intercollegiate Athletics. This facility consists of gymnasium, cardio/weight training, racquetball, group fitness, jogging track, locker room, member service, and office spaces. In June 2003, the westerly addition was completed and opened for use. The new addition includes 2 gymnasiums, an expanded Cardio Center, and a new Fitness Studio. Also included in the expansion was air conditioning to the existing administrative area, racquetball courts, weight room, and Fitness Training room. The gross square footage of this facility is 192,170. The assignable square footage is 124,000. An existing facility assessment and deferred maintenance list is included in the appendix.

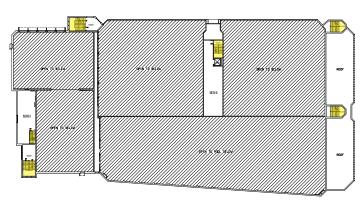


View of the existing SERF

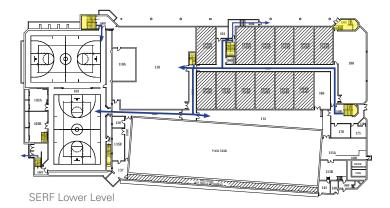


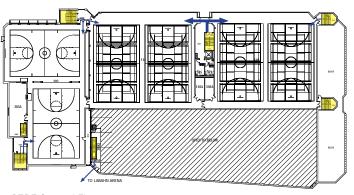
SERF Sub Level



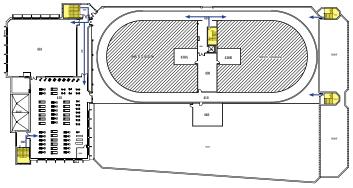


SERF Mezzanine Level





SERF Second Floor



SERF Third Floor

G - FACILITY DEFICIENCIES

Currently, on the UW-Madison Campus, there is roughly 12,000 sf of fitness space. According to the National Intramural-Recreational Sports Association (NIRSA), it is an industry standard to have 1.5 square feet of fitness space for each eligible user. Currently there are 100,000 eligible users on campus which would dictate roughly 150,000 sf of fitness space. This calculation does not include gymnasiums, running tracks, pools, etc. All have their own calculations and are equally as lacking on campus.

A full peer evaluation was completed by Rec Sports, which looks at the size, condition, and usage of all schools in the Big Ten. This information is available on the Rec Sports Master Plan website (http://uwmadisonrecsports.wordpress.com/facility-comparison-uw-vs-big-ten/). In short, UW-Madison falls behind almost every school in the conference in all recreation categories, including total square footage. UW-Madison was also one of only two schools that had no plans in the works for a new or renovated recreational center.

In addition to the square footage shortage, the existing Rec Sports facilities are in need of extensive deferred maintenance, just to maintain their current usage. According Bill Elvey, Associate Vice-Chancellor at UW-Madison FP&M, "... a significant investment in all of the Recreational Sports facilities, including the SERF and the NAT, is going to be necessary, whether it be in new or remodeled facilities or major repair and maintenance projects. The condition of buildings has gotten to the point that a significant amount of

deferred maintenance items must be addressed immediately or at least in the very near future. Many of these repair and maintenance projects include major building components and infrastructure-related items such as roof replacements and building envelope repairs. In some cases, complete replacement and upgrades of mechanical and electrical systems are also required to ensure reliability as well as address capacity deficiencies and meet new building codes. Some lead paint and asbestos abatement is also needed. Finally, most of the building finishes have also reached the end of their useful life."

Elvey adds, "While a detailed facility condition assessment performed by an outside consultant would lead to a series of individual projects intended to correct these known deficiencies, FP&M conservatively estimates that the current (seg fee) investment that will be needed to repair and upgrade the facilities will need to be more than double what has been available in the past. In addition, at the end of this process most/all of the known Rec Sports facilities programmatic needs relating to space and capacity shortfalls would still remain, which would place further increases on seg fees to address. The list below provides a general overview of projects that **UW-Madison Facilities Planning and Management** have identified as necessary either immediately, or within the 5 year forecast within the Division of Recreational Sports."

Refer to the appendix for existing facilities assessments and deferred maintenance lists.

The Rec Sports Master Plan websites lists the facility repair and maintenance projects as:

SERF

According to a report prepared by UW-Madison in 2013, the SERF has over \$3.7M in deferred maintenance costs to year 2025. Some of these include:

- Exterior cladding and roof-cap repair
- Elevator replacement
- North entrance upgrade
- Emergency/backup generator upgrade
- Interior finishes repair
- Air handler/exhaust replacement & DDC
- Lighting controls, AV, and clock
- Pool plumbing equipment replacement
- PROGRAMMATIC IMPROVEMENTS

Natatorium

According to a report prepared by UW-Madison in 2013, the Natatorium has over \$4.7M in deferred maintenance costs to year 2025. Some of these include:

- Roof areas 1-17 replacement
- Exterior caulk/tuck point/etc.
- Emergency/backup generator replacement
- Electric service & distribution (50%)
- Hazardous materials abatement
- Freight elevator replacement
- Locker rooms: plumbing & partitions
- HVAC pool area upgrade
- Building air management upgrade
- Interior finishes upgrade
- Pool plumbing & equipment replacement
- PROGRAMMATIC IMPROVEMENTS

Camp Randall Sports Center (Shell)

- Metal roof coating
- HVAC upgrade track/ice rink
- Hazardous materials abatement

- Electric light/controls/building service
- Plumbing locker/shower rooms
- Fire detection system
- Fire sprinkler system
- Ice rink dehumidification
- PROGRAMMATIC IMPROVEMENTS

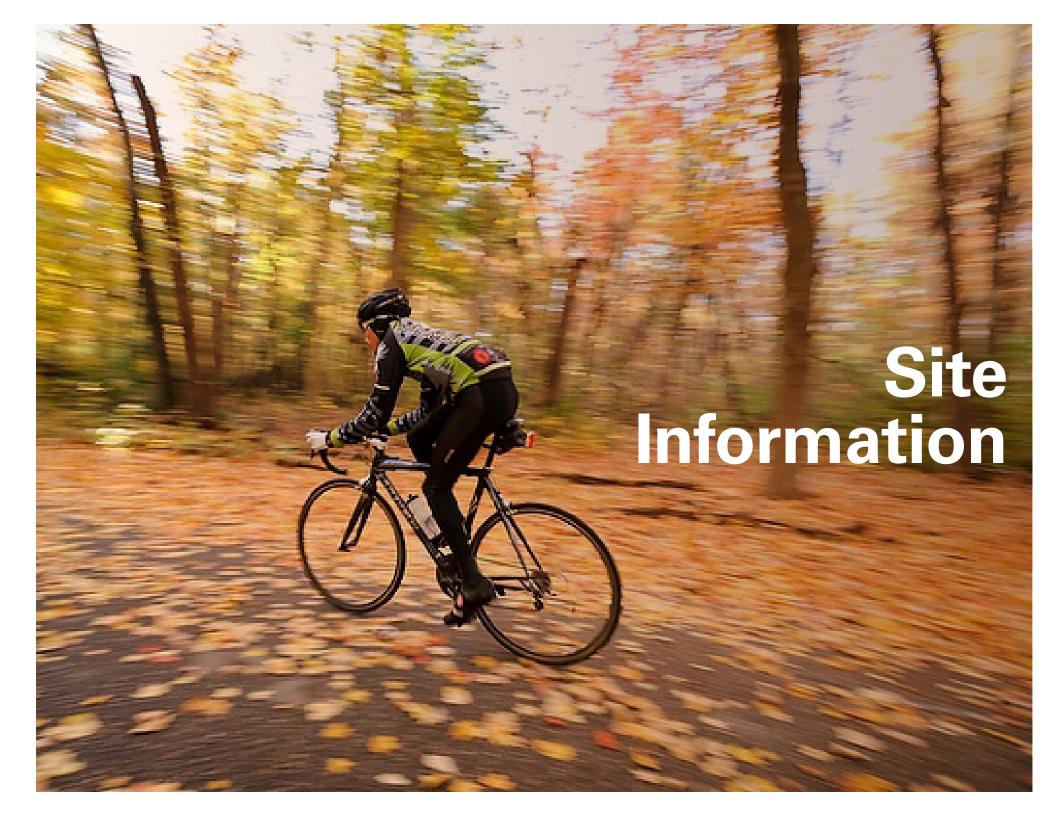
Nielsen Tennis Stadium (operating costs not funded by seg fees)

According to a report prepared by UW-Madison in 2013, the Nielsen Tennis Stadium has over \$3.9M in deferred maintenance costs to year 2025. Some of these include:

- Roof areas 1-9 replacement
- Elevator installed (ADA accessibility)
- Locker rooms plumbing & partitions
- Building air management upgrade
- Electric building service
- Fire sprinkler system
- HVAC upgrade
- PROGRAMMATIC IMPROVEMENTS

H - FIELD DEFICIENCIES

The biggest issue with the current recreation fields on the UW-Madison campus revolves around the playability of the fields. Because of the lack of synthetic turf and lighting, the playing hours are limited in the day and year. With the addition of field lighting, hours could extend into the night time, when most students prefer to play. Synthetic turf will add playability in the winter months as it is plow-able and does not turn into mud in the fall and spring as natural turf does.



SITE OWNERSHIP

The sites under consideration for this master plan are the current sites for the fields and facilities. They are considered part of the University of Wisconsin-Madison campus and owned by the Board of Regents of the University of Wisconsin System.

EXISTING LANDSCAPING

It is the intent of this project to preserve as much of the existing landscape as possible.

FLOODPLAIN

Everything proposed in this master plan is outside of the 100-year floodplain with the exception of a portion of the University Bay/Far West Fields. The layout of the fields is designed so that no synthetic turf is within the floodplain.

TOPOGRAPHY

No topographic surveys have been completed as part of this master plan. Generally all of the sites are fairly flat and level, with the exception of the SERF, which drops roughly 12'-0" from West to East. A full topographic study will be completed with each project as they are implemented.

SUBSURFACE CONDITIONS

There have been no subsurface or geotechnical exploration done as part of this master plan scope of work. UW-Madison has suggested that using subsurface levels at both the Natato-

rium and SERF should be OK, considering the lack of water issues in the current basements of each facility. The Master Plan calls for similar lower level elevations as what currently exists.

During the master plan process, the committee discussed the general soil conditions of the University Bay Fields several times. It was determined that the soils are typically wet and hydric, and further detailed soil studies will be needed to determine the feasibility of the artificial turf fields and the proposed parking lots and building developments.

SITE UTILITIES

The anticipated utility loads have not been calculated as a part of the scope of this master plan.

Sustainable or "green" design ideas should be implemented to ensure energy efficiency and to improve the health and comfort of the building's occupants.

VEHICULAR AND PEDESTRIAN CIRCULATION

Natatorium

The main pedestrian access to the Natatorium will be the sidewalks lining Observatory Drive from the east and Willow Dr. to Dejope Residence Hall to the northeast. Access to the Lakeshore Path system along Lake Mendota will be preserved for recreational walking, jogging and biking. Vehicular access to the building will be from Observatory Drive. Willow Dr. will be the primary service / loading dock access route. This Drive will also be the service access for the

Lakeshore Residence Hall area.

SERF

The SERF will help anchor the southern end of East Campus Mall which extends north to Memorial Union. This is an important campus pedestrian link to the recreational and athletic activities/events at the SERF and adjacent LaBahn Arena and Kohl Center. West Dayton Street will continue to be the main vehicular route to the SERF with service access on the south side of the existing buildings.

Nielsen Wellness Center and Tennis Stadium

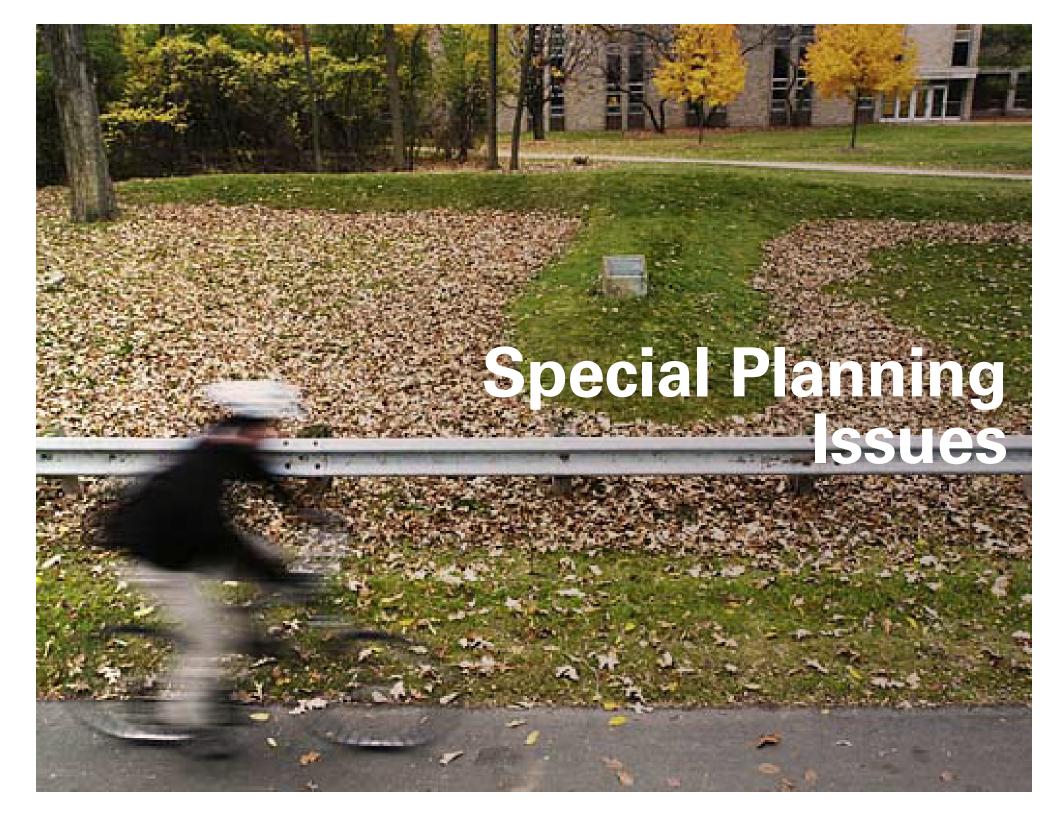
The Wellness Center at Nielsen Tennis Stadium will have main pedestrian access from the sidewalks along Marsh Dr. and Highland Ave. Vehicular access uses those same drives, with University Bay Drive Parking Ramp to the east of Nielsen, and surface lots to the West.

University Bay/Far West Fields

Pedestrians would gain access to U-Bay fields by Highland Ave, and the Lakeshore Path. Parking is included on the proposed plans, both on the north and south portions of the site.

Near West & East Fields

Similar to the Natatorium, main pedestrian access will be the sidewalks on Observatory Dr. from the south, and from the Lakeshore path system and Lakeshore residence halls from the north.



ENVIRONMENTAL IMPACT / WEPA

In accordance with the Wisconsin Environmental Policy Act (WEPA), each of the major elements within this master plan will require at minimum a Type II, Environmental Impact Assessment including the new buildings on existing building sites, building additions and for the upgrades to the existing outdoor fields. This requirement ensures that all environmental impacts that may have fiscal impact can be raised during the WEPA process and that they will be addressed in the project budget estimate. The last public meeting shall occur and major issues resolved before State Building Commission authority to construct. The entire WEPA process must be completed soon after that but no later than prior to bid solicitation.

DEMOLITION

Natatorium will be completely demolished to allow for a new building to be constructed in it's current location. The SERF will be mostly demolished, as the current plan calls for the pool and its associated mechanicals and deck to be retained, with a new facility to be built around it. The fields will also need to be excavated and regraded to allow for synthetic and natural turf fields.

Every effort will be made to recycle and repurpose significant amounts of the buildings materials to reduce the impact of building demolition on local landfills.

CULTURAL RESOURCES

Native American cultural resources in the

UW-Madison Lakeshore Nature Preserve area range from archaeological sites dating back 12,000 years to present-day sites that continue to be important places of spiritual practice.

Ancient Native American burial mound sites are scattered across campus but are primarily located within the Lakeshore Nature Preserve. This collection of sacred sites includes several unique effigy-type burial mounds. Indeed, the UW-Madison campus has management responsibility for more effigy mounds than any other university in the world.



View of Effigy Mound (Photo courtesy of UW Campus Photo Library)

The area just north of the Natatorium site is identified as an "Ancient Campsite/Village" whose boundaries were established for the Archaeological Site Inventory (ASI), by the Wisconsin Historical Society. Just east of Willow Creek, north of the existing Natatorium facility are four mounds. The group includes three effigy forms (a goose, water spirit, and an unnamed type) and a small conical form. The goose mound is readily visible from the Lakeshore Path. These mounds have been

delineated and are not to be disturbed by development.

SUSTAINABLE / HIGH-PERFORMANCE DESIGN

The State of Wisconsin - Division of Facilities Development (DFD) recognizes the economic, environmental and human health and performance benefits of high-performance "green" buildings. High-performance buildings are designed, constructed and operated to maximize energy savings, limit their detrimental effects on the environment and improve the health and comfort of occupants and users. DFD expects the A/E team to follow an integrated "whole building" design process and to be proficient with the use of life cycle cost analysis to make design decisions which support these values.

At this time, specific performance measures are not mandated, but DFD encourages the A/E team to become familiar with a building design rating system, such as US Green Building Council's LEED system, and to incorporate these energy-efficient, environmentally-responsible design principles to the maximum extent possible within program and budget.

The LEED (Leadership in Energy and Environmental Design) Green Building Rating System™ is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. It is suggested by the design committee that LEED Guidelines should be used as a conceptual framework and guideline for the project. Early in the project the Owner should work with the architectural/engineering team to identify project specific sustainable

design goals and conceptual standards. Based on well-founded scientific standards, LEED emphasizes state of the art strategies for:

Sustainable Site Development

Alternative transportation and pedestrian routes

Storm water management (quantity and quality)

Urban heat island reduction

Native and adaptive vegetation

Water Savings

Water efficiency options (low-flow fixtures, etc)

Energy Efficiency

Target energy efficiency is 20%-30% lower than code minimums (includes cool daylighting, high performance glazing, and other options)

Material Selection

Locally sourced materials within 500 miles of project

Recycled content

Durable, long-lasting

Indoor Environmental Quality (IEQ)

Includes enhanced indoor air quality, access to daylight and views, etc.

The State of Wisconsin has Energy Issues and

Policies. The following reports, guidelines, etc. should be followed and addressed in the development of design for this project:

DFD Project Energy Use Policy

This policy is intended to reduce the use of fossil fuels in state owned Facilities without adversely affecting program operations. Building users, managers, physical plant staff and designers share the responsibility for achieving this goal.

DFD Project Energy Design Guidelines

This guideline is intended to reduce the use of fossil fuels in state owned Facilities without adversely affecting program operations. Recognizing that the greatest cost of owning state Facilities over their lifetime is the cost of energy to heat, cool, light and operate them, DFD expects the design of every project to:

Achieve the highest energy efficiency and lowest energy consumption that life cycle costing will justify

Incorporate the most energy-efficient materials, products, equipment and systems consistent with program and budget;

Incorporate renewable energy technologies at the earliest possible stages of design whenever they are technically and economically feasible;

Consider the impact on the utility infrastructure of the existing building/institution.

DFD Lighting Design Guidelines

The Electrical Design Guidelines discuss guidelines for indoor and outdoor lighting systems to be used in state owned buildings and facilities.

Energy Use in State-Owned Facilities

Fiscal Year 2006: This report presents the total energy consumption for the largest State of Wisconsin owned and operated Facilities. These facilities account for the majority of energy consumed in buildings owned by the State of Wisconsin.

ZONING/DNR

All sites have very specific zoning requirements. The City of Madison Zoning Ordinances along with the University of Wisconsin – Madison planning staff should be consulted on these projects before preliminary planning and approval from the Joint West Campus Area Committee and the City of Madison Plan Commission.

Natatorium

The Nat site is currently zoned CI, Campus Institutional and "college/university" buildings are considered a "permitted use" if 3 stories or under 68 feet tall. This project will require a presentation to and approval from the Joint West Campus Area Committee.

Other standards for development in this district require that the principal structure have a:

- Setbacks per campus master plan or zero
- The DNR has shoreline setback requirements of 75' from the navigable waterways of Lake Mendota and Willow Creek.
- Campus FP&M has specified a 60'-65' height limit

SERF

The entire block of the SERF is zoned PD – Planned Development. With the new facility we are proposing for the SERF, it should be anticipated that the City would want to see the proposals and run it through both the Urban Design Commission and the City Plan Commission. This project will require a major alteration to an existing Planned Development and require a presentation to the Joint Southeast Campus Area Committee and the City of Madison Plan Commission.

Other standards for development in this district require that the principal structure have a:

- Height: Structures within a mile of the State Capital fall under the Capital View Height Preservation Ordinance and are limited to 187.2 feet.
- Setbacks: per approved plan
- CSM 10494 created the parcel

Nielsen Tennis Stadium

Nielsen, like the Natatorium, is zoned Cl, Campus Institutional. The project would also require a presentation to and approval from the Joint West Campus Area Committee. Setbacks are per campus master plan or zero.

University Bay/Far West Fields

U-Bay fields are zoned CN (Conservancy).
Outdoor recreational fields are considered a conditional use with a Conservancy district and will therefore require review by the Joint West Campus Area Committee and the City of Madison Plan Commission. Setbacks are:

- Front 30'
- Side 80'
- Rear 100'

MASTER PLAN CONSIDERATIONS

Natatorium

Roads

There should be little or no change to Observatory Drive as a result of this facility's expansion and renovation. The bus drop-off location may need to be relocated to not impede with the new entry location.

Paths

The sidewalk on the north side of Observatory Drive will remain. No part of this expansion/renovation project will affect the Howard Temin Lakeshore Path.

Play fields

The play fields to the east and west of the Natatorium are included in this master plan. Refer to the conceptual design section for more information.

Adjacent development

For additional information, please review the 2005 Campus Master Plan document to understand future development in this area. There are substantial academic building plans and a new above grade parking structure planned on the south side of Observatory Drive.

SERF

Roads

Any work done to the SERF would not substan-

tially affect the adjacent roads. The bus drop-off may need to be relocated to not impede with the new entry location.

Paths

No part of this master plan should affect the existing paths around the SERF.

Parking

There is no street parking in this area. There should be little to no change to the existing parking on the east and south of the facility. There is no dedicated parking lot for visitors.

Adjacent Development

For additional information, please review the 2005 Campus Master Plan document to understand future development in this area.

Nielsen Tennis Stadium

Roads

There should be no change to Marsh Drive as a result of this facility's expansion and renovation.

Paths

No part of this expansion/renovation project will affect the existing paths in the area.

Adjacent development

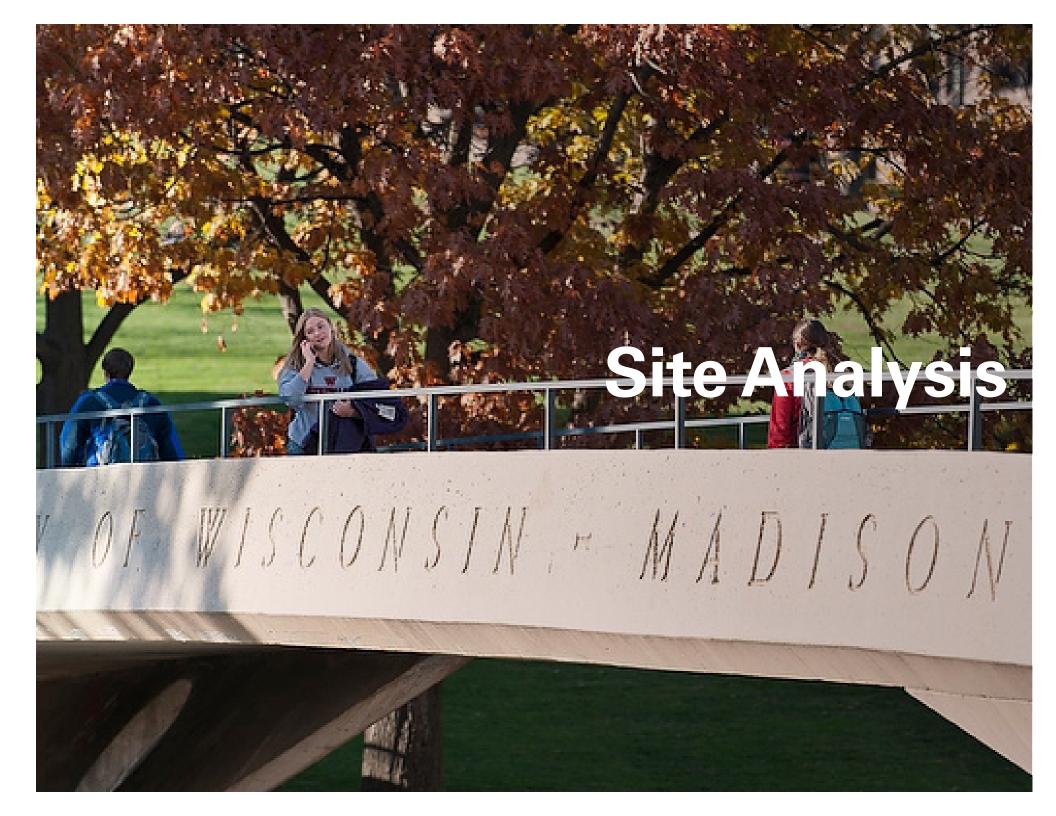
For additional information, please review the 2005 Campus Master Plan document to understand future development in this area.

CIVIL AND STORM WATER MAN-AGEMENT

Please refer to the Civil Narrative included in the Appendix for more information relating to existing civil conditions and storm water management recommendations for each project site.

SYNTHETICTURF

Please refer to the Synthetic Turf Environmental Response document included in the Appendix for more information relating to environmental impacts and historical concerns relating to the use of synthetic turf.



NIELSEN TENNIS STADIUM



VEHICULAR CIRCULATION - PARKING - PUBLIC TRANSPORTATION

A majority of the vehicular circulation is coming and going on Highland Avenue. Minimal traffic exists on Marsh Drive, mostly to access the parking to the east of the facility. The site is very connected by public transportation. Route 80 has stops in both directions directly in front of the facility, while route 84 has stops just to the east. The entry of the new facility should take advantage of this close proximity and possibly remain in its existing location. This would also address the ample amounts of parking to the east. The facility should take advantage of the busy nature of Highland Avenue by putting active programmatic spaces on the south facade.



PEDESTRIAN CIRCULATION - VIEWS

The pedestrian link between the Nielsen Tennis Stadium and the hospital should be clearly defined and the entry to the new facility should respond accordingly. Views to and from the site are immense and will be easy to take advantage of.

NATATORIUM



VEHICULAR CIRCULATION - PARKING - PUBLIC TRANSPORTATION

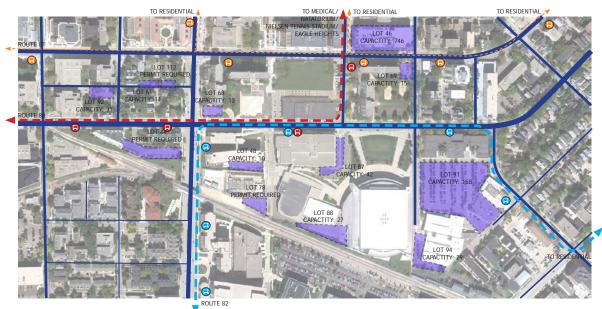
A majority of the vehicular circulation is coming and going on Observatory Drive. Minimal traffic exists on Willow Drive, mostly to access the residence halls north of the site. The site is very connected by public transportation. Route 80 and route 84 have stops in both directions directly in front of the facility. The main entry of the new facility should take advantage of this close proximity and possibly remain along the street. This would also address the ample amounts of parking just across Observatory Dr. The facility should take advantage of the busy nature of Observatory Dr. by putting active programmatic spaces on the south facade.



PEDESTRIAN CIRCULATION - VIEWS

The pedestrian circulation around the site concentrates itself on Observatory Dr, and the Howard M. Temin Lakeshore Path. The residence halls to the northeast also will bring ample pedestrian traffic to the site. All need to be considered when locating major and minor entry's to the facility. Views to and from the site are immense and will be easy to take advantage of.

SERF



VEHICULAR CIRCULATION - PARKING - PUBLIC TRANSPORTATION

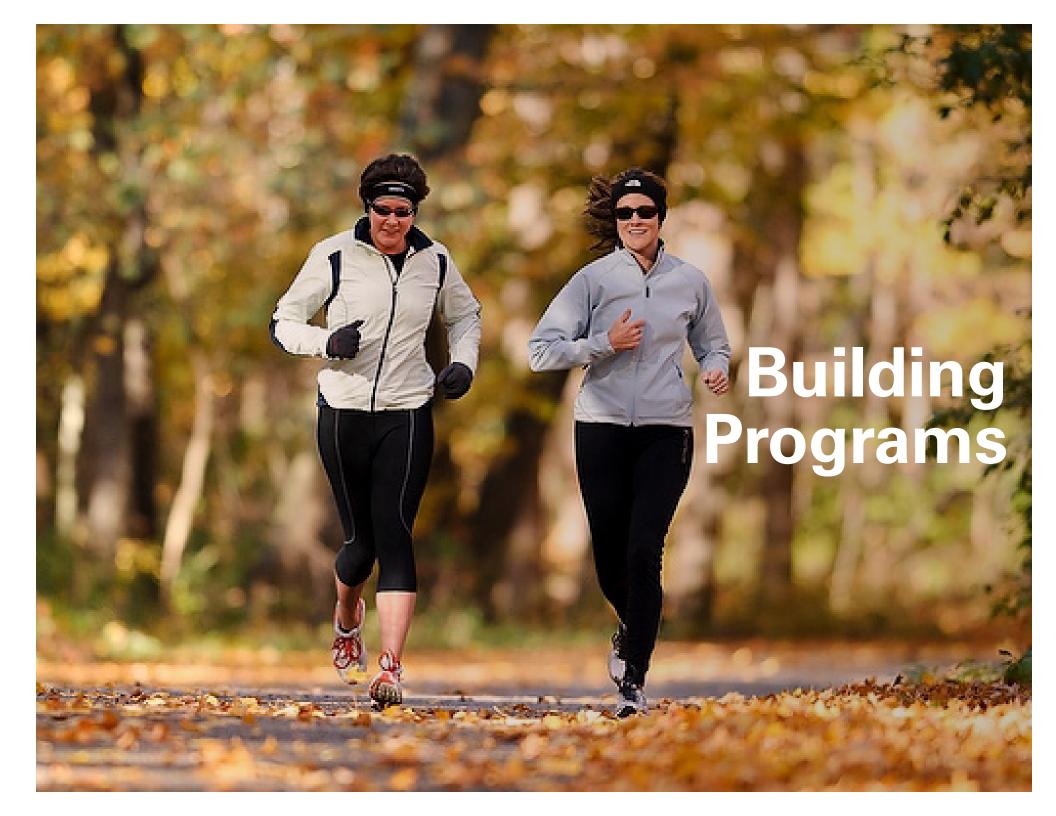
Vehicular traffic is relatively constant throughout the area, but does focus on Dayton Street and Park Street. Like the other two sites, the SERF is very well connected with public transportation. Route 80 and route 82 have stops in both directions directly in front of the facility. Route 80 connects all sites associated with the master plan. The surrounding area is also very dense, with many surrounding buildings close to the street. The SERF should respond to this, continuing the "street wall" where possible.



PEDESTRIAN CIRCULATION - VIEWS

Pedestrian circulation is evident on all surrounding streets and paths, but is concentrated along East Campus Mall. Locating the entry along the Mall would continue to solidify this pedestrian spine as a major unifying element on campus, and provide it with a southern destination.

Views to and from the site are limited because of the dense nature of the area, but the Kohl Center lawn does provide expansive vistas to and from the building.



PROGRAMMING PROCESS

The programming process started with an extensive analysis of existing peer recreational facilities, mostly at other Big Ten schools. Rec Sports compared both schools with existing facilities and schools that had facilities in the planning stages and concluded that UW-Madison was severely short on almost all types of recreational spaces. Rec space guidelines from National Intramural-Recreational Sports Association (NIRSA) also confirm a major shortage in program square footage on campus.

After comparing peer universities and guidelines from national recreation organizations, UW Rec Sports looked at usage of their existing facilities to develop new programs, with the assistance of Kahler Slater and their experience with these types of facilities. Through many workshops the design committee determined the right location for the added program and distributed it between the three facilities proposed. The distribution was determined based on usage of the current facilities, size of the sites, and other factors to provide a dispersed recreational experience to everyone on campus.

The elimination of recreational activities at the Shell adds to the space at each new facility, but is primarily accounted for at the Natatorium.

As the master plan process progressed, the Natatorium program was downsized to better address the needs of the students, faculty and staff. (4) courts were removed from the gymnasium, 15,000 sf of fitness space was removed, and multi-purpose square footage was cut in half. The current program better reflects the fu-

ture needs of the users, while still being fiscally responsible.

The program for Kinesiology was developed by the department based upon current usage, and consolidation of other spaces in use around campus. Future needs of the department are planned for both within the program and with shelled space in the lower level of the Nat. Shelled space is also available for Rec Sports to expand into in the future.

The instructional spaces at the Natatorium were included to function as both classrooms for Kinesiology and Rec Sports, and provide more multi-purpose space for all occupants. Usage was based upon demand of existing similar spaces within the building which was then expanded for future usage given the added Kinesiology and rec sports users.

The program for the fields was based upon current usage of each individual area, that was then dispersed between all three areas according to better usage throughout the day and year. Currently similar activities happen in different areas around campus. The new plan calls for consolidation to better serve the student population, while making it more efficient for Rec Sports staff.

NIELSEN WELLNESS CENTER AND TENNIS STADIUM

	ASSIGNABLE SPACE		EXISTING				Р	ROPOSED	NOTES		
UNIT NO.	UNIT	ASF / SPACE	NO. OF SPACES	TOTAL ASF	CURRENT LOCATION	NO. OF OCCUP.	ASF / OCCUP.	ASF / SPACE	NO. OF SPACES	TOTAL ASF	NOTES
	Rec Sports	SPACE	SPACES		LOCATION	OCCUP.	OCCUP.	SPACE	SPACES		Section (Section 1)
1	PUBLIC SPACES		No.							-	A. C.
1.01	Vestibule							200	2	400	Metal drainage grates
1.02	Welcome Desk/Lobby							1,200	1	1,200	
1.03	Lounge							350	1		
	Existing Lounge	1,780	1	1,780							
1.05	Existing Court Viewing	1,780									
1.06	Event Lobby							950	1	950	
1.07	Event Office							120	1	120	
	TOTAL AREA:		2	3,560					6	3,020	
2	FITNESS AREAS										
	Fitness Center					11		20,500	1	20,500	
	Equipment Repair/Storage							200	1		
	Multi-Purpose Studio							3,500	1	3,500	
	Multi-Purpose Studio - Small							350	1	350	
	Multi-Purpose Studio Storage							250	1	250	
	TOTAL AREA:								5	24,800	
3	LOCKER ROOMS										
3.01	Men's Locker Room					1		1,650	1	1,650	
3.02	Women's Locker Room							1,650	1	1,650	
3.03	Unisex / Special Needs Locker Room							100	4	400	
3.03	Team Locker Rooms							275	2	550	
3.04	Tournament Locker Rooms							600	2	1,200	
	TOTAL AREA:								10	5,450	
4	ADMINISTRATION/OFFICE SUITE										
4.01	Reception							120	1	120	
4.02	Conference Room							220	1	220	
4.03	Staff Offices							120	3	360	
	TOTAL AREA:								5	700	
5	BUILDING SUPPORT										
5.01	General Storage					10		200	2	400	
	Building Maintenance							500	1		
-	TOTAL AREA:								3	900	

NIELSEN WELLNESS CENTER AND TENNIS STADIUM

ASSIGNABLE SPACE			EXISTING				P	ROPOSED	NOTES		
UNIT NO.		ASF / SPACE	NO. OF SPACES	TOTAL ASF	CURRENT LOCATION	NO. OF OCCUP.	ASF / OCCUP.	ASF / SPACE	NO. OF SPACES	TOTAL ASF	NOTES
	RECREATION AREA ASF TOTALS:	EXISTING				PROPOSED					
				TOTAL ASF						TOTAL ASF	
1	PUBLIC SPACES			3,560						3,020	
2	FITNESS AREAS			0						24,800	
3	LOCKER ROOMS			0						5,450	
4	ADMINISTRATION/OFFICE SUITE			0						700	
5	BUILDING SUPPORT			0						900	

 TOTAL RECREATION ASF:
 34,870

 Departmental SF Multiplier
 1.35
 Grossing factor

 TOTAL RECREATION DEPT. GSF
 47,075
 12,205
 Grossing factor SF

 74.1%
 Efficiency Factor

NATATORIUM - REC SPORTS

	ASSIGNABLE SPACE	4		EXISTING			P	ROPOSED			NOTES
UNIT NO.	UNIT	ASF / SPACE	NO. OF SPACES	TOTAL ASF	CURRENT LOCATION	NO. OF OCCUP.	ASF / OCCUP.	ASF / SPACE	NO OF SPACES	TOTAL ASF	NOTES
	REC SPORTS	OF ACE	OI ACES			00001.	000011	OI ACE	OI ACEO		SEC. 10.00
1	PUBLIC SPACES										
.01	Vestibule	268	1	268	Nat 1000J			250	1	250	Metal drainage grates
.02	Lobby	0			1100 10000			2,000	1	2,000	
.03	Lounge	0						3,000	1	3,000	Comfortable seating areas for students
.04	Welcome Desk	261	1	261	Nat 1180			600	1	600	One point of entry into Recreation/Fitness areas
.05	Welcome Desk Workroom/Storage	0			Nat 1100			250	1	250	One point of entry into Recreation/Priness areas
.06	One Stop Shop	0						600	1	600	Membership, lockers, equipment checkout, merch.
.07	Membership/Program Desk	261		261	Nat 1180			400	- 2	400	Before restricted access
.07	TOTAL AREA:	201	3		Nat 1100			400	7	7,100	before restricted access
	TOTAL AREA.		3	790					,	7,100	
2	FITNESS AREAS				-						
.01	Fitness Center - Cardio/Selectorized	2,000	1	2,000	Nat 1110			36,700	1	36,700	100,000 eligible users
.02	Fitness Center - Strength	3,353	1	3,353	Nat 1110			10,000	1	10,000	100,000 eligible users
.03	Fitness Center - Stretch / Funct. Training	100		100	Nat 1110			1,000	1	1,000	
.04	Fitness Center - Assist Desk	0						150	1	150	
2.05	Fitness Center Storage	251			Nat 1110A & 1110B			500	1	500	
2.06	Multi-Purpose Studio - Large	0						4,000	1	4,000	Up to 200 participants
2.07	Multi-Purpose Studio - Medium	1,851		1,851	Nat 1065			2.000	2	4,000	
2.08	Multi-Purpose Studio - Small	0			1100			1,000	3	3,000	10-50 participants
2.09	Multi-Purpose Studio Storage	0						150	6	900	One room for each studio
2.10	Wellness Complex	0					1	4,300	1	4,300	Offices, counseling suites, PT/AT, kitchen, reception
	TOTAL AREA:	0	6					4,300	18	64,550	Offices, counseling suites, PT/AT, Kitchen, reception
	TOTAL ANEA			7,000						04,000	
3	RECREATIONAL COURT SPACE										
3.01	12-Court Gymnasiums with MAC Court	22,700	2	45.400	Nat 2110, 2117, 2160 & 2171			96,000	1	96,000	100 100 100 100 100 100 100 100 100 100
1 0.0	12-Court Gyririasiuris with MAC Court	22,700	2	45,400							With (2) MAC courts and Championship court
					Nat 2110A, 2160A, 2117A, 2171A, 2000F			2.000	3	6,000	
3.02	Gymnasium Storage	1,316	5	6,580	8 2191			-,		-,	
3.03	Jogging Track	0	0	0				16,000	1	16,000	4 lanes, stretching, views, day lockers. 4.5 laps to the mile
3.04	Indoor Turf Field	0	0	0				30,000	1	30,000	Dividable, retractable netting, built in/portable goals.
3.05	Turf Field Storage	0	0	0				2,000	1	2,000	
3.06	Racquetball Court	808	6	4,848	Nat 1240-1260			800	6	4,800	Movable back wall for Squash. Wallyball capable.
	TOTAL AREA:		13						13	154,800	•
4	NATATORIUM	40.074		10.071				45.000		45.000	
1.01	Instructional Pool	13,874		1.000	Nat 1221			15,000	1	15,000	(8) lane, 25yd. Water volleyball, inner tube water polo
4.02	Pool Storage	140		200				500	1	500	
4.03	Wet Classroom	420		420	Nat 1221A			1,000		1,000	Adjoining pool and dry corridor.
	TOTAL AREA:		4	14,574					3	16,500	
5	ICE ARENA										
5.01	Ice Sheet	20,050	1	20.050	CRSC 110			25,000	1	25,000	85'x200' NCAA sheet. Bleacher seating for 500
5.01	Lobby/Storage Lockers	1,194		1,194	CRSC 100M			500			100+ Storage Lockers
5.02	Zamboni Area	479		479	CRSC 107 & 109			1,500	1	1,500	2 Zamboni's, work area, dump pit.
5.03	Skate Rental/Equipment Desk	4/3		0	CROC 107 & 109		-	1,300		1,500	a comount s, work area, dump pre-
.03	Equipment Storage			0				300	1	300	
5.05	Player Locker Rooms	330	4		CRSC 110C,D, G & H			750	4	3,000	Chara shauras and tailet asses
.06	Officials Locker Room	325		325				400	1	400	Share shower and toilet areas
00,0		325			CRSC 110B			400			
	TOTAL AREA:		4	23,368					10	30,850	

NATATORIUM - REC SPORTS

	ASSIGNABLE SPACE			EXISTING			PR	ROPOSED			NOTES
UNIT NO.	UNIT	ASF / SPACE	NO. OF SPACES	TOTAL ASF	CURRENT LOCATION	NO. OF OCCUP.	ASF / OCCUP.	ASF / SPACE	NO. OF SPACES	TOTAL ASF	NOTES
_	LOCKER ROOMS										
01	Men's Locker Room	6,155	1	6,155	Nat 1117A			4,500	1	4,500	200 lockers, pool access
02	Women's Locker Room	3,420	1		Nat 1171A			4,500	1	4,500	200 lockers, pool access
03	Unisex / Special Needs Locker Room			0				1,500	1		
	TOTAL AREA:		2	9,575					3	10,500	
7	ADMINISTRATION/OFFICE SUITE										
01	Reception/Waiting Area	0	0	0				400	1	400	
	Staff offices	0	0	0				120		4,800	Includes IM Sports/Sport Club office area
03	Student Suite Office	0	0	0				150		450	
04	Work Room	0	0	0				200	1	200	
05	Staff Lounge	0	0				-	200			
06	Staff Toilets	0	0	0				100	2	200	
07	Large Conference Room	0	0	0		40	20	800	1	800	dividable
.08	Small Conference Room	0	0			15	20		1	300	
	TOTAL AREA:		0						50	7,350	
8	MEETING/CLASSROOMS										
01	Class/Instructional Room					75	25	1,875	2	3,750	50-75 people
	TOTAL AREA:								2	2.750	
	TOTAL AREA:								2	3,750	
9	BUILDING SUPPORT										
01	Loading Dock	402	1	402	Nat 1055			400	1	400	
02	General Storage			0				200	5	1,000	Distributed through building
03	Building Maintenance	1,200	1	1,200	Nat 1055A			1,000	1	1,000	Attached to Loading Dock
04	Wood Shop	420	1	420	Nat 1082						
05	Trash/Recycling Room	0	0	0				300	1	300	Adjacent to Loading Dock
06	Equipment Repair Room	100	1	100	Nat 1055A			300	1	300	Adjacent to Loading Dock
07	Outdoor Equipment Storage	395	1	395	Nat 1055A			1,500	1	1,500	Currently in Shed
.08	Field Equipment Storage	0	0	0				2,000	1	2,000	
	TOTAL AREA:		5	2,517					11	6,500	
	DESCRIPTION AREA ASE TOTAL S			TVIOTINIO							
	RECREATION AREA ASF TOTALS:			EXISTING TOTAL			r.	ROPOSED		TOTAL	
	DUDLIC CDACES			ASF 790	-					ASF	
1	PUBLIC SPACES FITNESS AREAS									7,100	
2				7,806						64,550	
3	RECREATIONAL COURT SPACE			56,828						154,800	
4	NATATORIUM			14,574						16,900	
5	ICE ARENA			23,368						30,850	
6	LOCKER ROOMS			9,575						10,500	
7	ADMINISTRATION/OFFICE SUITE			0						7,350	
8	MEETING/CLASSROOMS			0						3,750	
9	BUILDING SUPPORT			2,517						6,500	

NATATORIUM - KINESIOLOGY

	ASSIGNABLE SPACE	1		EXISTING			PR	OPOSED		-100	NOTES
UNIT NO.	UNIT	ASF / SPACE	NO. OF SPACES	TOTAL ASF	CURRENT LOCATION	NO. OF OCCUP.	ASF / OCCUP.	ASF / SPACE	NO. OF SPACES	TOTAL ASF	NOTES
	DEPARTMENT OF KINESIOLOGY	SPACE	SPACES			OCCOP.	OCCUP.	SPACE	OF ACES		of the second
1	PUBLIC SPACES	1.0			-			-		-	1
1.01	Vestibule							250	1	250	Metal drainage grates
1.02	Lobby							1,000	1		Shared with Rec Sports
1100	*							1,000			
	TOTAL AREA:								1	1,250	
2	CLASSROOMS AND CLASS LABS										
2.01	Large Classroom (Active Learning)					80	35	2,800	1	2,800	Flat floor, movable furniture
2.02	Medium Classroom - 50 (Active Learning)					50	35	1,750	2	3,500	Flat floor, movable furniture
2.03	Fitness Classroom					30	18	525	1	525	Adjoining Fitness Class Lab
								3,000	1	3,000	600 O W
2.04	Fitness Class Lab										Adjoining rooms. Movable furniture, fitness equipment, secure storage
2.05	Fitnees Class Lab Storage							300	1	300	
2.06	Athletic Training Classroom					30	25	750	1	750	Adjoining AT class lab. Moveable classroom furniture
2.07	Athletic Training Class Lab							1.050	1	1,050	8-10 training tables. Cabinets/storage.
2.08	Occupational Therapy Class Lab					30	35	1,050	2	2,100	No. of the Control of
2.09	OT Class Lab Storage							150	1	150	773 733 (4.14) (1.14)
2.10	OT ADL Sim Class Lab							1,000	1	1.000	
2.11	Multipurpose Fitness Class Lab					30	30	900	1	900	Needs high ceilings, at least 15 ft. A sink is required.
2.12	Multipurpose Fitness Class Lab Storage							350	1	350	netto rigi, at concern in a sequent
2.13	Adaptive Fitness Class Lab							3,500	1	3,500	
2.14	Adaptive Fitness Class Lab Storage							250	1	250	
2.15	Gym Class Lab							6.000	0		Kines will use Rec Sports gyms for Instruction
2.16	Gym Class Lab Storage							1,000	1		Gym storage will be required for Kines programs
2.17	Biomechanics Classroom					30	25	750	1	750	
2.18	Clinical Assessment Room						20	120	6		Adjacent to Live Observation Room
2.19	Live Observation Room							100	2		Adjacent to Clinical Assessment Room
2,13	Live Observation (Conf.)							100	-	200	Adjacent to Cinical Assessment Room
	TOTAL AREA:								26	22,845	
3	CONFERENCE ROOMS										
4.01	Large Conference Room					50	20	1,000	1	1,000	Movable furniture
4.02	Medium Conference Room					20	20	400	1	400	Movable furniture
4.03	Small Conference Room					12	20	240	1	240	Fixed table, moveable chairs
	TOTAL AREA:								3	1,640	
		W.			Transfer H					1,040	
4	RESEARCH/ NON-CLASS LABS										
	Shared by multiple projects across fields of study	. Secondary	use as instr	ructional sp	ace.			7.500	30		Benches, ventilation, storage for shared access to all
5.01	Wet Lab							4,500	1	4 500	projects
5.02	Training Area					20	50	1,000	1		Treadmills, bikes, open area
J.02	roaming rive					20	30	1,000		1,000	Treadmills, bikes, open area Treadmill (1), bike (1), metabolic cart, ECG, VO2 equip,
5.03	Testing Area					4	80	320	2	640	exam table, desk, chair, storage for supplies, and sink
0.00	- c c - c					1	150	150	2	300	Bod Pod, DXA equipment
5.04	Testing - Body Composition										
	Testing - Body Composition Interview/Consultation Rooms							150	5	750	Used for human subject intake, baseline measurements. Sink, exam table, desk, chairs

NATATORIUM - KINESIOLOGY

	ASSIGNABLE SPACE			XISTING				ROPOSED		NOTES	
UNIT NO.	UNIT	ASF / SPACE	NO, OF SPACES	TOTAL ASF	CURRENT LOCATION	NO. OF OCCUP.	ASF / OCCUP.	ASF / SPACE	NO. OF SPACES	TOTAL ASF	NOTES
NO.	11.179.00	SPACE	SPACES			OCCUP.	OCCOP.	SPACE	SPACES		(1) male, (1) female.Changing space for approx. 12 peop
											at once. 1-2 private changing rooms, 3-4 private shower
.07	Shower/Changing Room							600			rooms
.08	Cold Room							100			
.09	Patient/clinic rooms							250			
	Force Treadmills							1,000			
11	Body/Limb Force Measurement Lab							1,000			Custom equip, force plates, motion capture, EMG
.12	Machine Shop							400			Lathe, mills, grinders, drill press, work bench
.13	Electronics Shop							120	1	120	Work bench and tool storage
.14	Assignable Activity Spaces							750	10	7,500	Open, high ceiling spaces (12-15 ft) for project work. Need to accommodate a range of human activity and movement.
	TOTAL AREA:								32	19,510	
	TOTAL AREA.								32	19,510	
5	ADMINISTRATIVE AND OFFICE SPACE										
.01	Reception							200	1		
.02	Admin Offices							120	10		Private offices
.03	Faculty/ Staff Offices							120	40	4,800	Private offices
.04	Chair Office							175	1	175	Private office w/ meeting area
.05	IT Office/Work Area							150	1	150	Private offcie w/ IT work area
.06	Work room							200	1	200	
.07	Open Office Area (grads, etc)					6	40	240	7	1,680	
.08	Emeriti Faculty Office Area							200	1	200	
.09	Lounge/Kitchenette							300	1	300	
.10	Wellness Room							150	1	150	
	TOTAL AREA:								64	9,055	
6	BUILDING SUPPORT										
.01	Loading Dock/Building Maintenance										Combined with Rec Sports
02	General Storage							1,000	1	1,000	
.03	Wood Shop							700	1		
	TOTAL AREA:								2	1,700	
	RECREATION AREA ASF TOTALS:		E	XISTING			P	ROPOSED		5200	
4	BURLIC SPACES			ASF						ASF	
1	PUBLIC SPACES									1,250	
2	CLASSROOMS AND CLASS LABS									22,845	
3	CONFERENCE ROOMS									1,640	
4	RESEARCH/ NON-CLASS LABS									19,510	
5	ADMINISTRATIVE AND OFFICE SPACE									9,055	
6	BUILDING SUPPORT									1,700	

 TOTAL KINESIOLOGY ASF: 54,300

 Departmental SF Multiplier
 1.5
 Grossing factor

 TOTAL KINESIOLOGY GSF
 81,450
 Grossing factor SF

 27,150
 Grossing factor SF
 66.7%
 Efficiency Factor

NATATORIUM

PITHESS AREAS 64,550 154,800 154,800 154,800 156,800	- 200	ASSIGNABLE SPACE		EXISTING		Р	ROPOSED	My Warran		NOTES
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PUBLIC SPACES				TOTAL					TOTAL	
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154,800										
MATATORIUM 16,900 16,000 16,000 10,000										
Cocker ROOMS										
CONTENT NOT NOT NOT NOT NOT NOT NOT NOT NOT N									100000000000000000000000000000000000000	
TOTAL RECREATION ASF: 302,300									0.0000000000000000000000000000000000000	
MEETINGCLASSROOMS 3,750 6,500										
BUILDING SUPPORT										
TOTAL RECREATION ASF: 302,300										
Departmental SF Multiplier 1.29 Grossing factor 1.29 Grossing factor 1.29 TOTAL RECREATION DEPT. GSF 389,967 389,967 37,667 377,5% Efficiency Factor 1.29 Grossing factor SF 1.250 1.2	9	BUILDING SUPPORT							6,500	
Departmental SF Multiplier 1.29 Grossing factor 1.29 Grossing factor 1.29 TOTAL RECREATION DEPT. GSF 389,967 389,967 37,667 377,5% Efficiency Factor 1.29 Grossing factor SF 1.250 1.2										Ø.
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DEPARTMENT OF KINESIOLOGY AREA ASF TOTALS: EXISTING TOTAL ASF Efficiency Factor										Grossing factor
DEPARTMENT OF KINESIOLOGY AREA ASF TOTALS:						TOTAL RE	CREATION	DEPT. GSF		
DEPARTMENT OF KINESIOLOGY AREA ASF TOTALS: EXISTING TOTAL ASF SET										THE STATE OF T
PUBLIC SPACES									11.5%	Efficiency Factor
TOTAL ASF		DEDARTMENT OF VINESION COV AREA AGE	OTAL 0:	EVICTING			0000000			
PUBLIC SPACES 1,250 22,845 3 22,845 3 3 20,845 3 3 3 3 3 3 3 3 3		DEPARTMENT OF KINESIOLOGY AREA ASF	OTALS:				ROPOSED		TOTAL	
2 CLASSROOMS AND CLASS LABS 3 CONFERENCE ROOMS 4 RESEARCH/ NON-CLASS LABS 5 ADMINISTRATIVE AND OFFICE SPACE 6 BUILDING SUPPORT TOTAL KINESIOLOGY ASF: 54,300 Departmental SF Multiplier 1.5 TOTAL KINESIOLOGY GSF 81,450 27,150 66.7% OVERALL BUILDING TOTALS: Recreation Department of Kinesiology ASF GSF Recreation Department of Kinesiology Department of Kinesiology OVERALL BUILDING TOTALS: Recreation Department of Kinesiology ASF GSF Recreation Department of Kinesiology ASF GSF Recreation Department of Kinesiology										
3 CONFERENCE ROOMS 4 RESEARCH/ NON-CLASS LABS 5 ADMINISTRATIVE AND OFFICE SPACE 6 BUILDING SUPPORT TOTAL KINESIOLOGY ASF: 54,300 Departmental SF Multiplier 1.5 TOTAL KINESIOLOGY GSF 81,450 27,150 27,150 66.7% Efficiency Factor OVERALL BUILDING TOTALS: Recreation Department of Kinesiology ASF GSF Efficiency Factor	1	PUBLIC SPACES							1,250	
4 RESEARCH/ NON-CLASS LABS 5 ADMINISTRATIVE AND OFFICE SPACE 6 BUILDING SUPPORT TOTAL KINESIOLOGY ASF: 54,300 Departmental SF Multiplier 1.5 Grossing factor TOTAL KINESIOLOGY GSF 81,450 27,150 G6.7% Find the support of Kinesiology OVERALL BUILDING TOTALS: Recreation Department of Kinesiology ASF GSF Efficiency Factor OVERALL BUILDING TOTALS: Recreation Department of Kinesiology ASF GSF Efficiency Factor	2	CLASSROOMS AND CLASS LABS							22,845	
## ADMINISTRATIVE AND OFFICE SPACE 9,055 1,700 ## TOTAL KINESIOLOGY ASF: 54,300 Departmental SF Multiplier 1,5 Grossing factor 1,700 TOTAL KINESIOLOGY GSF 1,450 27,150 Grossing factor 1,50 Grossing factor 1,50	3	CONFERENCE ROOMS							1,640	
TOTAL KINESIOLOGY ASF: 54,300	4	RESEARCH/ NON-CLASS LABS								
Departmental SF Multiplier 1.5 Grossing factor	5	ADMINISTRATIVE AND OFFICE SPACE							9,055	
Departmental SF Multiplier 1.5 Grossing factor	6	BUILDING SUPPORT							1,700	
Departmental SF Multiplier 1.5 Grossing factor										
TOTAL KINESIOLOGY GSF						тот	AL KINESIC	LOGY ASF:	54,300	
TOTAL KINESIOLOGY GSF										L.
27,150 Grossing factor SF 66.7% Efficiency Factor						D	epartmental	SF Multiplier	1.5	Grossing factor
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OVERALL BUILDING TOTALS:ASFGSFRecreation302,300389,967Department of Kinesiology54,30081,450									27,150	Grossing factor SF
OVERALL BUILDING TOTALS:ASFGSFRecreation302,300389,967Department of Kinesiology54,30081,450									66.7%	Efficiency Factor
Recreation 302,300 389,967 Department of Kinesiology 54,300 81,450							17	-		
Department of Kinesiology 54,300 81,450			OVERALL BUILDI	NG TOTALS:			ASF	GSF		
			Recreation				302,300	389,967		
			Department of Kine	siology			54,300	81,450		
050,000 474			• 18500 70 - 100 00 00 00 00 00 00 00 00 00 00 00 00						1	
356,600 4/1,417							356,600	471,417		
114,817 Grossing factor SF										Grossing factor SF
75.6% Efficiency Factor										

SOUTH EAST RECREATIONAL FACILITY

	ASSIGNABLE SPACE		1000000	vation			PF	ROPOSED	NOTES		
UNIT NO.	UNIT	ASF / SPACE	NO. OF SPACES	TOTAL ASF	CURRENT LOCATION	NO. OF OCCUP.	ASF / OCCUP.	ASF / SPACE	NO. OF SPACES	TOTAL ASF	NOTES
A	REC SPORTS										•
1	PUBLIC SPACES										
1.01	Vestibule	445	1	445				250	1	250	Metal drainage grates
1.02	Lobby	4,397	1	4,397				1,500	1	1,500	
1.03	Lounge			0				3,000	1	3,000	Comfortable seating areas for students
1.04	Welcome Desk			0				500	1	500	One point of entry into Recreation/Fitness areas
1.05	Welcome Desk Workroom/Storage			0				250	1	250	
1.06	One Stop Shop			0				500	1	500	Membership, lockers, equipment checkout, merch.
1.07	Membership/Program Desk			0				400	1	400	Before restricted access
	TOTAL AREA:			4,842					7	6,400	
2	FITNESS AREAS										
2.01	Fitness AREAS Fitness Center - Cardio/Selectorized	5.404	1	5.404				24,500	1	24,500	
2.02	Fitness Center - Cardio/Selectorized	6,434	1	6,434				10,000	1	CT0.13 (T) (T) (T)	
2.02	Fitness Center - Stretch / Funct. Training	0,404	- 1	0,434				1,000	1	1,000	
2.04	Fitness Center - Assist Desk			0		-		150	1	150	-
2.05	Fitness Center - Assist Desk	890	1	890		_		500	1	500	
2.06	Multi-Purpose Studio - Large	4,260	1	4,260				4,000	1	4,000	
2.07	Multi-Purpose Studio - Large Multi-Purpose Studio - Medium	2,365	2	4,730				2,500	3	7,500	Op to 200 participants
2.08	Multi-Purpose Studio - Small	990	2	1,980				1,000	5	5,000	10-50 participants
2.09	Group Fitness Studio Storage	200	5	1,000				150	9	1,350	
2.10	Personal Training	200	Ů	0				1,000	1	1,000	
2.10	T Craonial Training							1,000		1,000	
	TOTAL AREA:			24,698					24	55,000	
3	RECREATIONAL COURT SPACE										
3.01	9-Pack Gymnasium			0				62,500	1	62,500	Includes one MAC Court, Championship Court
3.02	Existing Gymnasiums	45,250	1	45,250				,0			8 courts total, 4 of which are not regulation size
3.03	Gymnasium Storage	220	2	440				2.000	2		
3.04	Jogging Track	9,601	1	9,601				9,000	1		3 lanes, 7 laps to the mile
3.05	Racquetball Court	800	9	7,200				800	6	22500000	Movable back wall for Squash. Wallyball capable.
	TOTAL AREA:			62,491					10	80,300	
	5 - 19 a 20 a 11										
4	NATATORIUM										
4.01	Existing Pool	25,700	1						-	7,777,773	
4.02	Pool Storage	500	1	500				1,000	1	1,000	
4.03	Wet Classroom			0				1,200	1	1,200	Adjoining pool
	TOTAL AREA:			26,200					2	2,200	

SOUTH EAST RECREATIONAL FACILITY

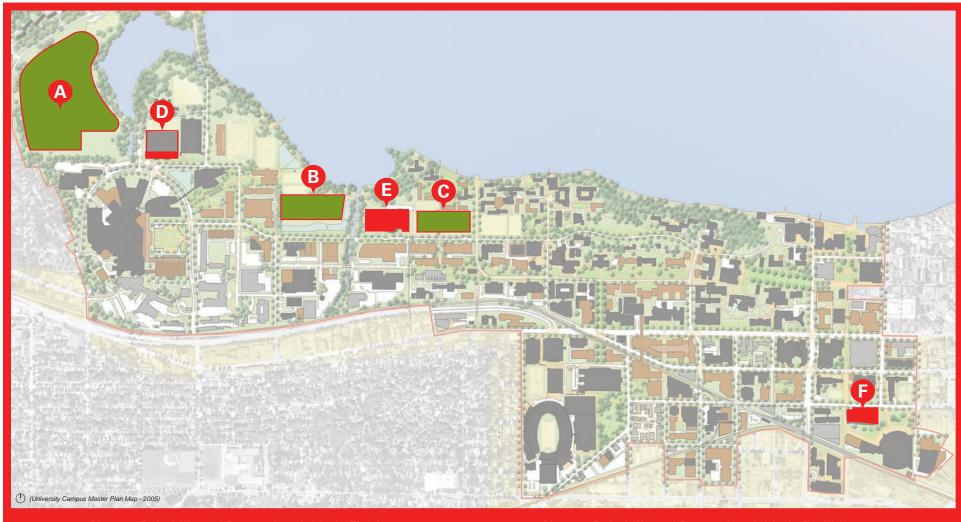
	ASSIGNABLE SPACE		Reno	vation			PR	ROPOSED	NOTES		
UNIT	UNIT	ASF / SPACE	NO. OF SPACES	TOTAL	CURRENT	NO. OF OCCUP.	ASF / OCCUP.	ASF / SPACE	NO. OF SPACES	TOTAL	NOTES
		SPACE	SPACES	ASI	LOCATION	OCCOP.	OCCOP.	SPACE	SPACES	ASI	
5	LOCKER ROOMS										
01	Men's Locker Room	6,400	1	6,400				5,000	1	5,000	200 lockers, pool access
.02	Women's Locker Room	6,400	1	6,400				5,000	1	5,000	200 lockers, pool access
03	Unisex / Special Needs Locker Room			0				2,400	1	2,400	
	TOTAL AREA:								3	12,400	
6	ADMINISTRATION/OFFICE SUITE										
.01	Reception/Waiting Area			0				500	1	500	
5.02	Staff offices	120	6	720				120	10	1,200	
6.03	Student Suite Office	350	3	1,050				250	3	750	
3.04	Work Room	169	2	338				200	1	200	
3.05	Staff Lounge			0				200	1	200	
3.06	Staff Toilets			0				100	2	200	
3.07	Conference Room	229	1	229		30	20	600	1	600	15-40 people, dividable
	TOTAL AREA:								19	3,650	
7	BUILDING SUPPORT										
7.01	Loading Dock	314	1	314				400	1	400	
7.02	General Storage	150	4	600				200	5	1,000	Distributed through building
7.03	Building Maintenance	222	1	222				1,500	1	1,500	Attached to Loading Dock
7.04	Trash/Recycling Room			0				300	1	300	Adjacent to Loading Dock
7.05	Equipment Repair Room			0				300	1		Adjacent to Loading Dock
	TOTAL AREA:								9	3,500	
	RECREATION AREA ASF TOTALS:		RENO	VATED			PR	ROPOSED			
				TOTAL ASF						TOTAL ASF	
1	PUBLIC SPACES									6,400	
2	FITNESS AREAS									55,000	
3	RECREATIONAL COURT SPACE									80,300	
4	NATATORIUM									2,200	
5	LOCKER ROOMS									12,400	
6	ADMINISTRATION/OFFICE SUITE									3,650	
7	BUILDING SUPPORT									3,500	

26,200

TOTAL RENOVATED REC ASF:







New or Rehabilitated Recreation/Athletic Fields

- A University Bay/Far West Fields
- B Near West Fields
- C Near East Fields

New or Rehabilitated Recreation/Athletic Facilities

- D Nielsen Wellness Center and Tennis Stadium
- E Natatorium
- F South East Recreational Facility



OUTDOOR FIELDS

UW-Madison Rec Sports wanted to explore options on how to make the existing outdoor fields on campus more playable throughout the day and year. The master plan reviewed multiple options for University Bay/Far West Fields, Near West Fields, and Near East Fields. Versions with varying amounts of synthetic turf, which expands playability throughout the year, were explored at each site. Similarly, lighting the fields was determined to be necessary to allow for use later into the day, which dramatically increases the amount of students who can participate in outdoor rec sports activities.

University Bay/Far West Fields

The University Bay/Far West Fields will be the largest collection of recreation fields. It resides on the west end of campus, just north of the hospital. Parking will be added to the site to make it more accessible to the rest of campus, but its location close to the Howard M. Temin Lakeshore Path and multiple public transportation lines make it easy to access from anywhere on campus or within the city.

Nearby Nielsen Wellness Center and Tennis Stadium will house tournament locker rooms, and two new structures will be built on site housing toilets and concessions.

- (2) synthetic turf soccer fields
- (2) synthetic turf lacrosse fields
- (2) natural turf rugby fields
- (2) natural turf softball fields
- (1) natural turf baseball field
- (2) shelters, including concessions and

restrooms

- Walking/jogging path surrounding all fields
- New lighting to maximize playability
- Fencing around the synthetic turf fields

Near West Fields

The Near West Fields will be synthetic turf, with new lighting and decorative fencing surrounding the perimeter.

- (4) synthetic turf flag football fields
- (1) championship soccer field (overlaid)
- Decorative fencing with brick piers surrounding all fields
- New lighting to maximize playability

Near East Fields

Like Near West, the Near East Fields will be synthetic turf, with new lighting and decorative fencing surrounding the perimeter. Spectator seating will be included against Dejope Residence Hall for championship games on the large soccer field.

- (4) synthetic turf rec soccer fields
- (1) championship soccer field (overlaid)
- Decorative fencing with brick piers surrounding all fields
- New lighting to maximize playability
- Bleacher seating for spectators



University Bay/Far West Fields



Near West Fields



Near East Fields



NIELSEN WELLNESS CENTER AND TENNIS STADIUM

With a great need to increase fitness space on the west side of campus, and a possibility to partner with health care entities in the area, Rec Sports decided to provide a new health and wellness facility to serve both the area's working population and students, faculty and staff at UW. An addition to the Nielsen Tennis Stadium was determined to be a great location for the added fitness space.

The addition to Nielsen Tennis Stadium, will be on the south side of the facility, after the existing entry volume is demolished. This new addition will not only provide a home for ample fitness space, but must still function as an entry for tennis events within the stadium. The two entries, wellness and stadium, need to be separated and clearly identified. Care must be given to separate traffic but still allow flexible usage of shared space on non-tournament days. The addition should not encroach the existing street setback of the current building, maintaining as much green space in front as possible.

The Wellness Center is designed to be visually open both within the facility and to the exterior. Fitness activities are separated from the street by a delicate glass facade, maximizing daylighting and activating the adjacent streets. The butterfly roof above the entry provides spatial variation within the fitness center, and is inspired by the folded roof planes of the existing Tennis Stadium.

It is Rec Sports desire to create an upscale facility that will enhance the student experience at

the University of Wisconsin, and be attractive to the working population in the area. The fitness center is open and light filled, allowing great views to and from the space. Locker rooms for members are paired with tennis locker rooms for the athletic teams and flexible locker space used for tournaments at the nearby U-Bay fields.

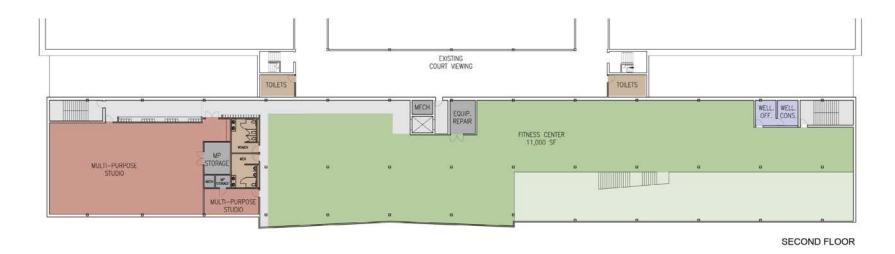
Amenities:

- 47.300 SF addition total
- 20,250 SF fitness space
- 3,500 SF multi-purpose studio
- Renovated Tennis Stadium lobby and court viewing.
- Upscale locker rooms including individual unisex changing rooms.
- Tournament locker rooms accessible from U-Bay fields.



Nielsen Wellness Center and Tennis Stadium — Site Plan

CONCEPTUAL DESIGN



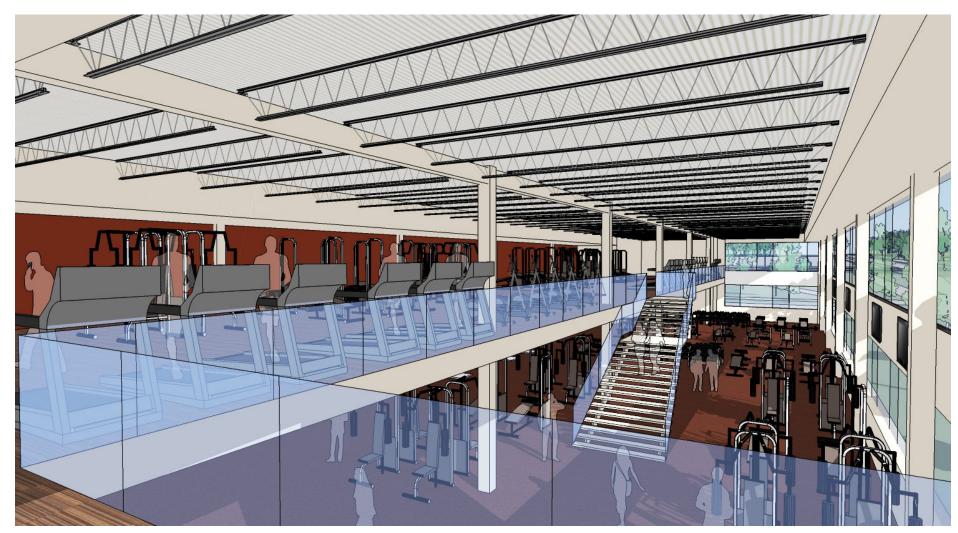




Nielsen Wellness Center and Tennis Stadium — Aerial from SE



Nielsen Wellness Center and Tennis Stadium — Entry



Nielsen Wellness Center and Tennis Stadium — Fitness Center



Nielsen Wellness Center and Tennis Stadium — First Floor Axonometric



Nielsen Wellness Center and Tennis Stadium — Second Floor Axonometric



NATATORIUM

The Rec Sports Master Plan design committee identified a need for additional recreation programming space at the Natatorium which is currently undersized and overused. The existing 2-level Nat facility has a poor flow and layout which prompted the team to study how it could be reorganized. In the end, after several renovation options were studied, it was recommended that the existing Nat building be demolished and that site be prepped for the construction of a new facility.

The site for the Nat will be in it's current location, resulting in a full demolition of the existing building. During the Master Plan process, other locations were debated by the committee, but it was determined by FP&M that the only logical site for its replacement is where it currently resides.

The conditions of the site are more natural, compared to much of the UW-Madison campus, with the Effigy mounds to the south, Willow Creek to the West and the Far East Fields to the east. Observatory Drive provides the southern most boundary to the south. Providing a landscaped setback will be key to help break down the overall scale of the building from the street. Height limitations are set at 65 feet, in response to the Campus Master Plan and its intention to have buildings "step down" as they approach the lake. There is a 75 foot setback from Willow Creek, and a 25 foot setback from all effigy mounds.

Throughout the master planning process, options were explored that looked at renovating the existing facility and adding program through minimal additions, demolishing selective areas

and building larger additions, or demolishing the building completely to clear the site for an entirely new facility.

At the conclusion of the master plan process, it was determined that the best solution for Rec Sports and the students would be to demolish the existing facility completely and build a new building from scratch. This was determined due to the complexity and size of the new program. To work around existing structure and space compromised future planning and flow. It also caused the design team to look into options of stacking program above portions of the existing facility, which proved to be structurally complex and possibly more expensive than starting fresh.

The new Natatorium program needs to account for a substantial increase in square footage due to a substantial increase in potential users on the west side of campus. Also adding to the user base is the eventual elimination of the Shell for recreation use. The ice arena, running track and fitness space currently located there need to be replaced at the Natatorium.

It is Rec Sports desire to create a facility that will enhance the student experience at the University of Wisconsin. The layout of the program spaces should be done in such a way to promote openness and views to and from the various building programs. Natural light is desired throughout the building but some programs spaces such as the natatorium and gymnasiums are more sensitive to direct sunlight/glare. The "free-zone" space should include a student lobby/lounge where all student would be encouraged to study, hang out with friends or have a healthy snack. The Rec Sports program will include: administrative areas, four racquetball

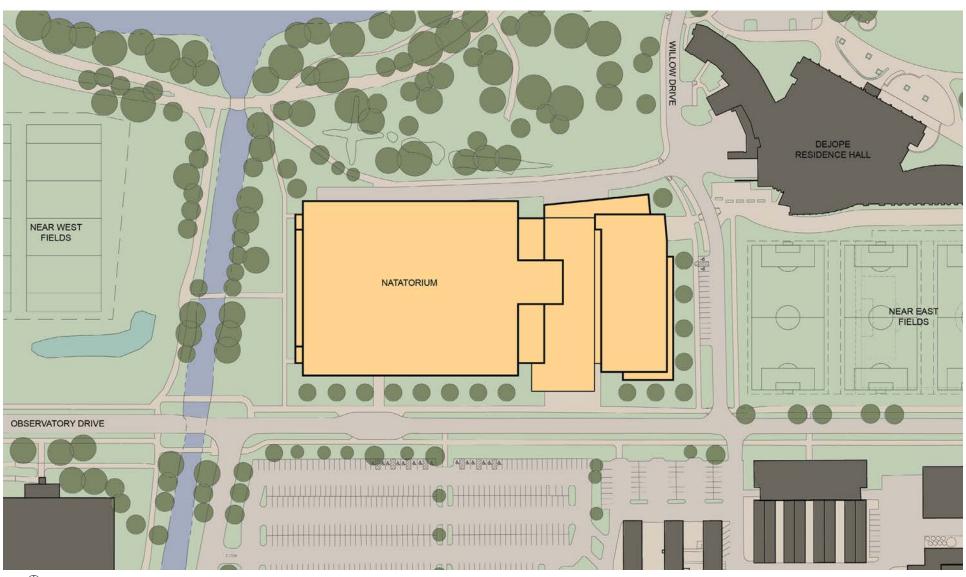
courts, significant square footage for fitness spaces (weights, selectorized, & cardiovascular equipment), several multi-purpose rooms ranging in size, a 4-lane walking/jogging track, and a 12 basketball court gymnasium, including two MAC courts, that will be striped for a variety of sports. Also included is a large turf gym, full ice arena with seating for 500 spectators, and 6 racquetball courts.

The Kinesiology department currently resides within the Natatorium, but is scattered throughout the building. The new facility will consolidate the department into the eastern most portion of the building, directly off of the "free-zone". This will allow for an individual identity for both Kinesiology and the recreation center to exist both on the exterior and interior of the building.

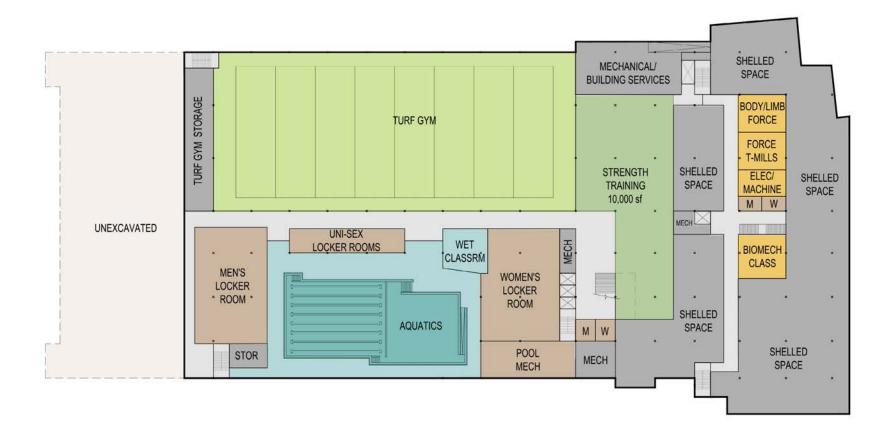
Kinesiology was specifically designed to be a separate portion of the building that has the possibility of becoming a phased component of the construction process. Further exploration of this should be conducted in the next design phases.

Amenities:

- 470,900 SF total
- 385,000 SF of recreation space
- 44,900 SF of fitness space
- (6) multi-purpose rooms
- 32,000 SF turf gym
- (12) basketball/volleyball/badminton courts
- (6) racquetball courts
- 85'x200' recreational ice sheet
- 4-lane running/walking track 4.5 laps/mile
- 8-lane 25 yd. pool
- Recreation/exercise pool
- 81,900 SF of Kinesiology

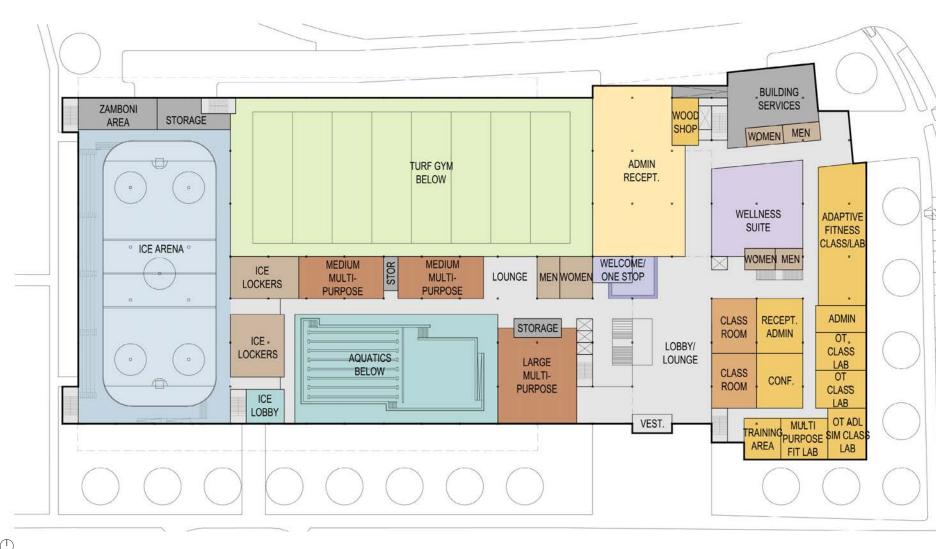


Natatorium — Site Plan

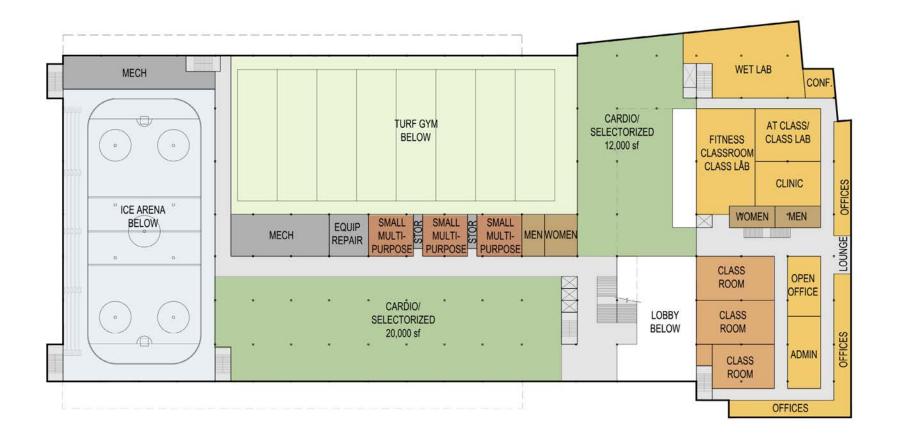


Natatorium

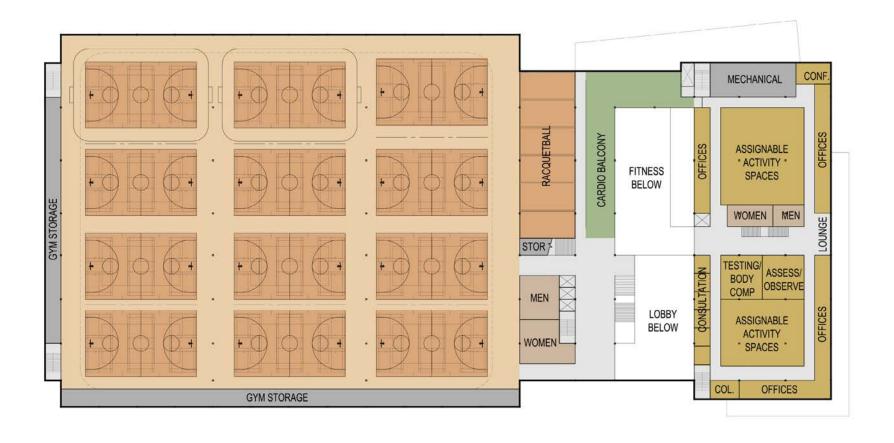
Natatorium — Lower Level Floor Plan



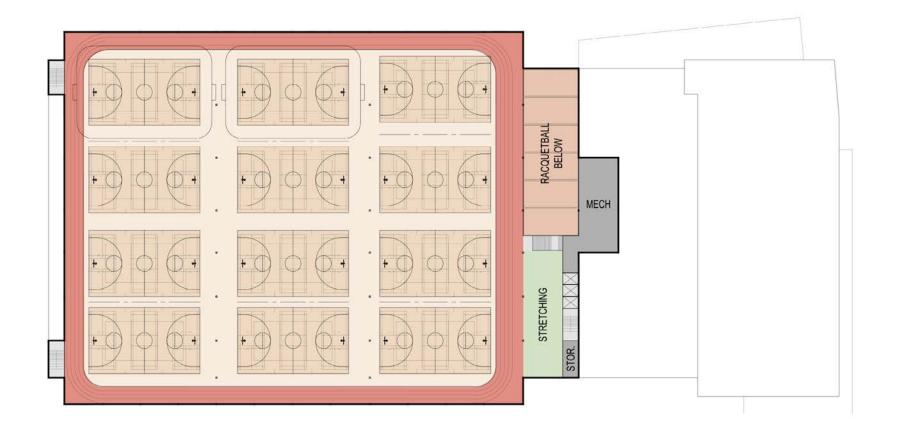
Natatorium — First Floor Plan



Natatorium — Second Floor Plan



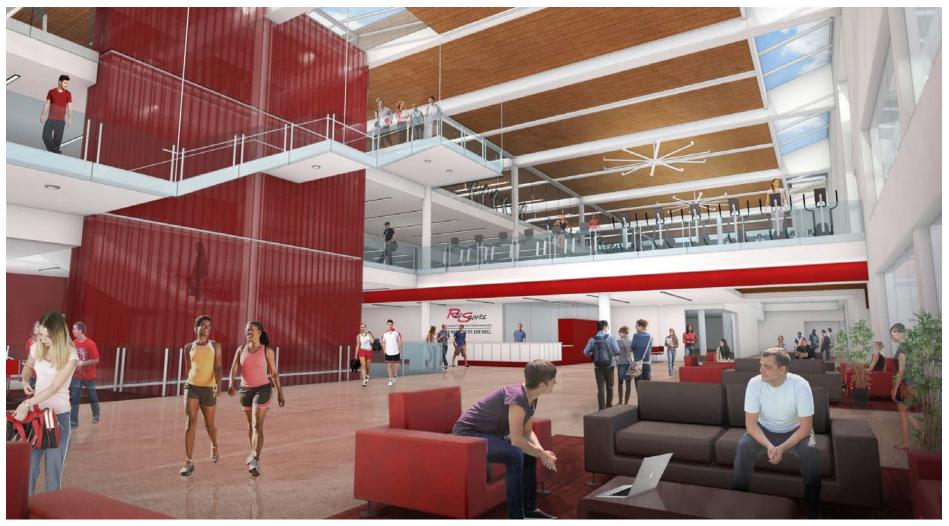
Natatorium — Third Floor Plan



Natatorium — Fourth Floor Plan



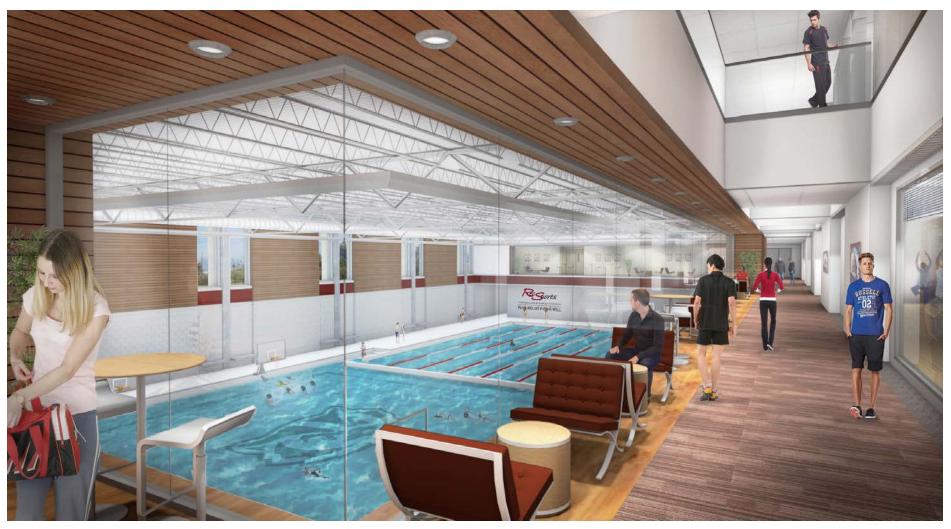
Natatorium — Aerial from SE



Natatorium — Lobby/Lounge



Natatorium — Fitness Center



Natatorium — Multi-Purpose Corridor/Aquatic Center



Natatorium — Fitness Center View to Ice Arena



Natatorium — Track/Gymnasium



Natatorium — Turf Gymnasium



SERF

The Rec Sports Master Plan design committee identified a need for additional recreation programming space at the Southeast Recreation Facility (SERF) which is clearly the most heavily used recreation facility on campus. The existing 4-level SERF facility has a poor flow and layout which prompted the team to study how it could be reorganized. In the end, after several renovation options were studied, it was recommended that the existing SERF building be demolished and that site be prepped for the construction of a new facility.

Redeveloping the SERF site does not come without its challenges. There are defined property lines to the north along Dayton Street and to the east along East Campus Mall (previously Murray Street). To the west there is a small parking area (Lot 87) that also wraps around a portion of the south side of the building. This lot is necessary for building deliveries, maintenance/service vehicles and is integral on game days for the neighboring Kohl Center and LaBahn Arena. Running parallel along the entire length of the south side of the building there is a underground 69-KVA high voltage line which has specific setback and service requirements.

The pool at the SERF was subject to much debate during the master plan process. The design team produced multiple options based off of the following overall concepts:

- Keep the existing pool and its enclosure, and build a new rec sports facility connected to and around it.
- Keep the existing pool vessel but build a

- new enclosure surrounding it to simplify the construction process.
- Keep the existing pool, but build a new enclosure surrounding it to simplify the construction process and raise the roof to accommodate for new diving platforms at the east end of the space. The pool was originally designed for diving to be located in that end
- Build a new 50m competition pool and diving well, with dive tower as part of a completely new facility.

At the conclusion of the master plan process, it was determined that the best solution for Rec Sports and the students would be to keep the existing pool vessel and build a new enclosure around it. Diving platforms would not be added at this time, but could be in the future in some form.

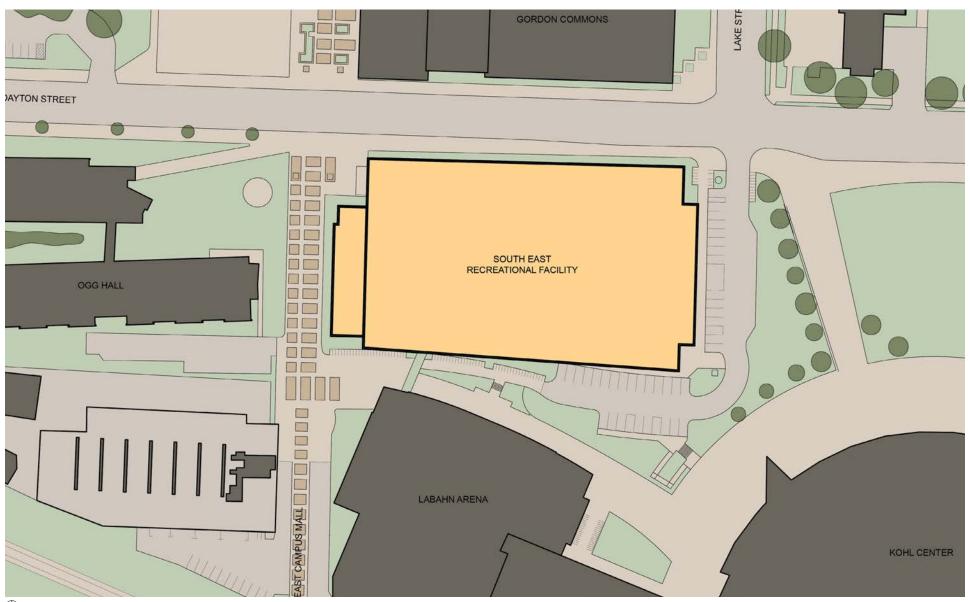
There will be several adjacent supporting spaces to the pool such as pool storage, a shared wet classroom, access from the men's, women's and unisex locker rooms, and adjacent pool mechanical rooms. This new facility will need to continue to connect to the existing LaBahn Arena sky-walk. This sky-walk provides a connection for the men's and women's swim team lockers to this facility.

This facility will also provide a significant increase in Rec Sports program space as well as improved functionality. It is Rec Sports desire to create a facility that will enhance the student experience at the University of Wisconsin. The layout of the program spaces should be done in such a way to promote openness and views to and from the various building programs. Natural

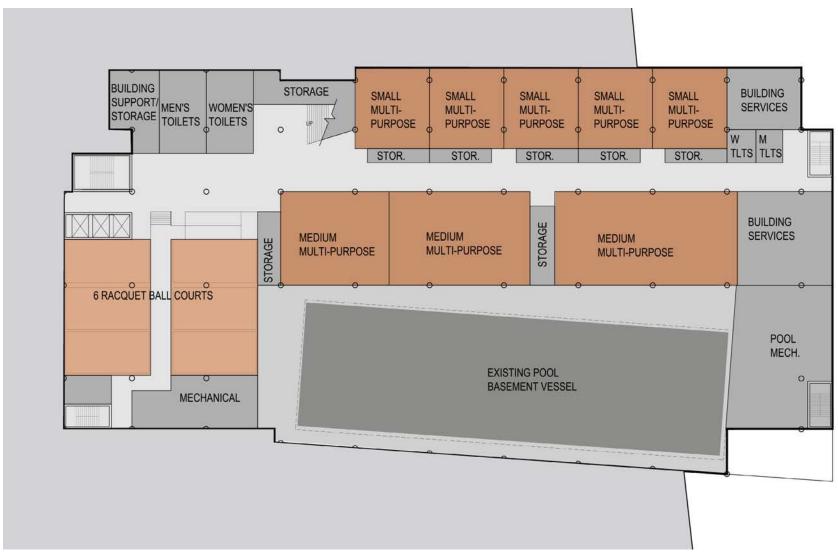
light is desired throughout the building but some programs spaces such as the aquatic center and gymnasiums are more sensitive to direct sunlight/glare. The "free-zone" space should include a student lobby/lounge where all student would be encouraged to study, hang out with friends or have a healthy snack. The Rec Sports program will include: administrative areas, four racquet-ball courts, significant square footage for fitness spaces (weights, selectorized, & cardiovascular equipment), several multi-purpose rooms ranging in size, a 3 to 4-lane walking/jogging track, and a 9 basketball court gymnasium that will be striped for a variety of sports.

Amenities:

- 259,200 total building SF
- 233,000 SF of recreation space
- 35,500 SF of fitness space
- 26,200 SF of aquatic space
- (9) multi-purpose rooms
- (9) basketball/volleyball/badminton courts
- (6) racquetball courts
- 3-lane running/walking track 7 laps/mile
- Existing 63 meter pool renovated

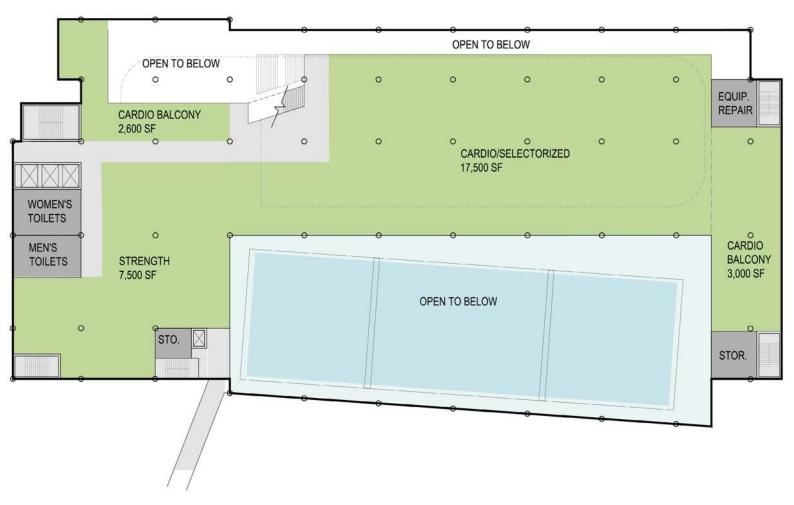


SERF — Site Plan

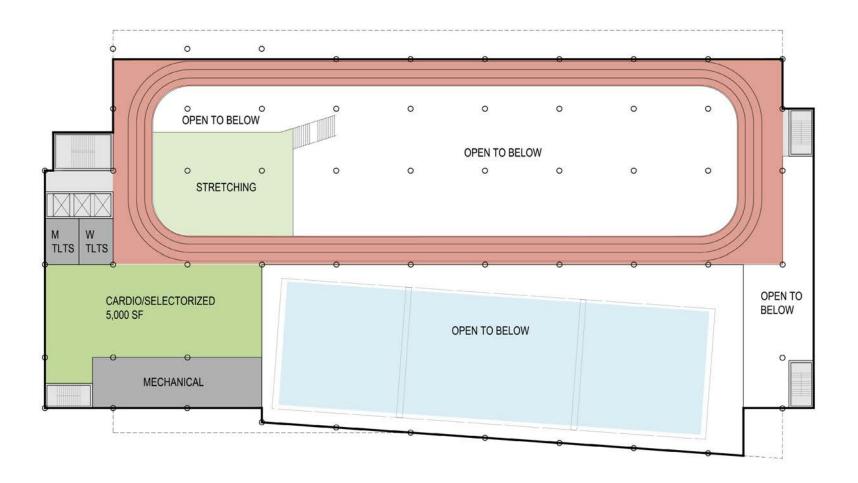


SERF — Lower Level Floor Plan

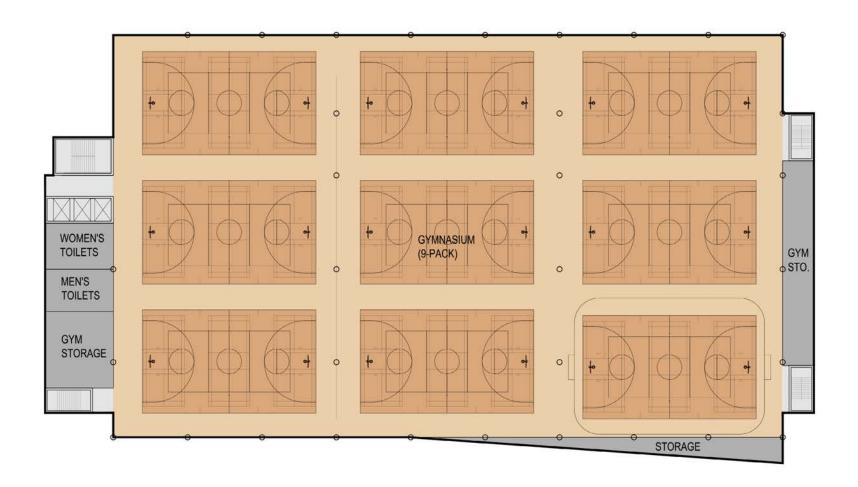




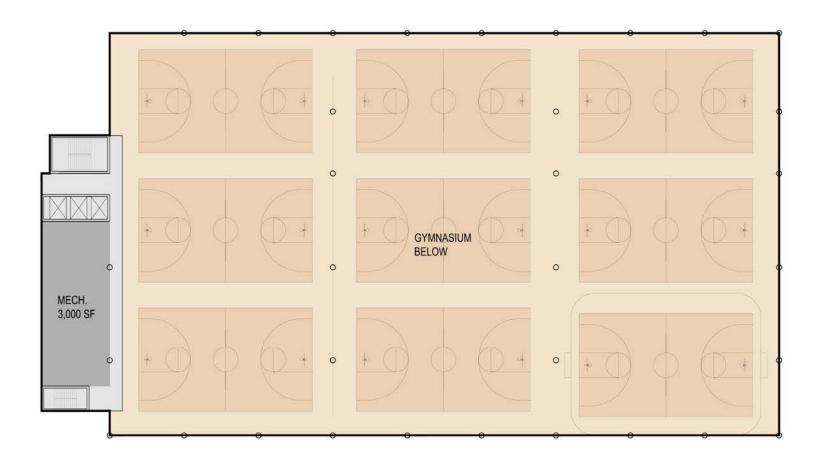
 igcap SERF — Second Floor Plan



SERF — Third Floor Plan



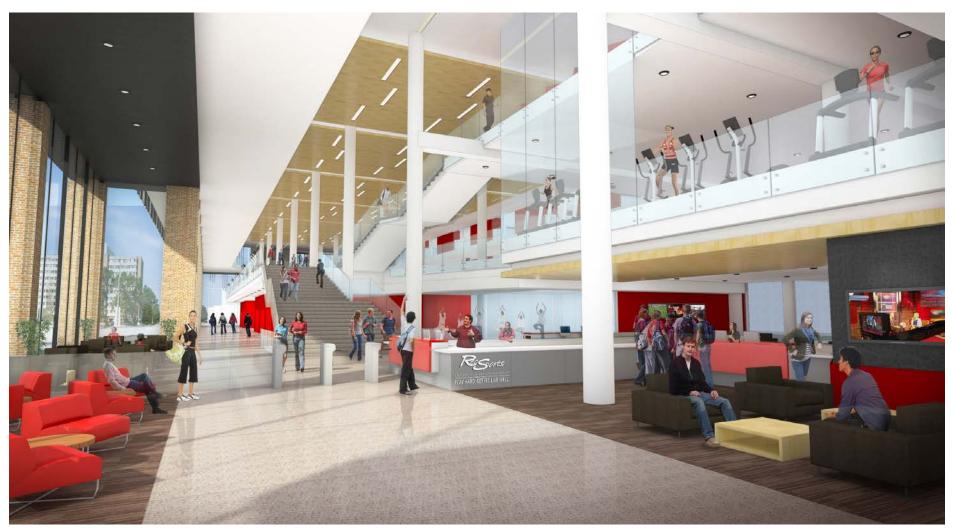
SERF — Fourth Floor Plan



SERF — Mezzanine Floor Plan



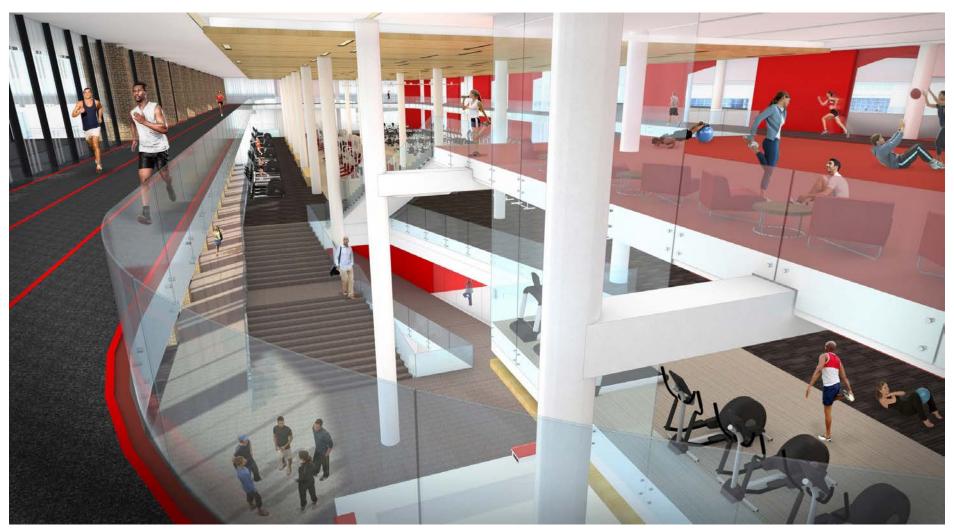
SERF — View from NW



SERF — Lobby/Lounge



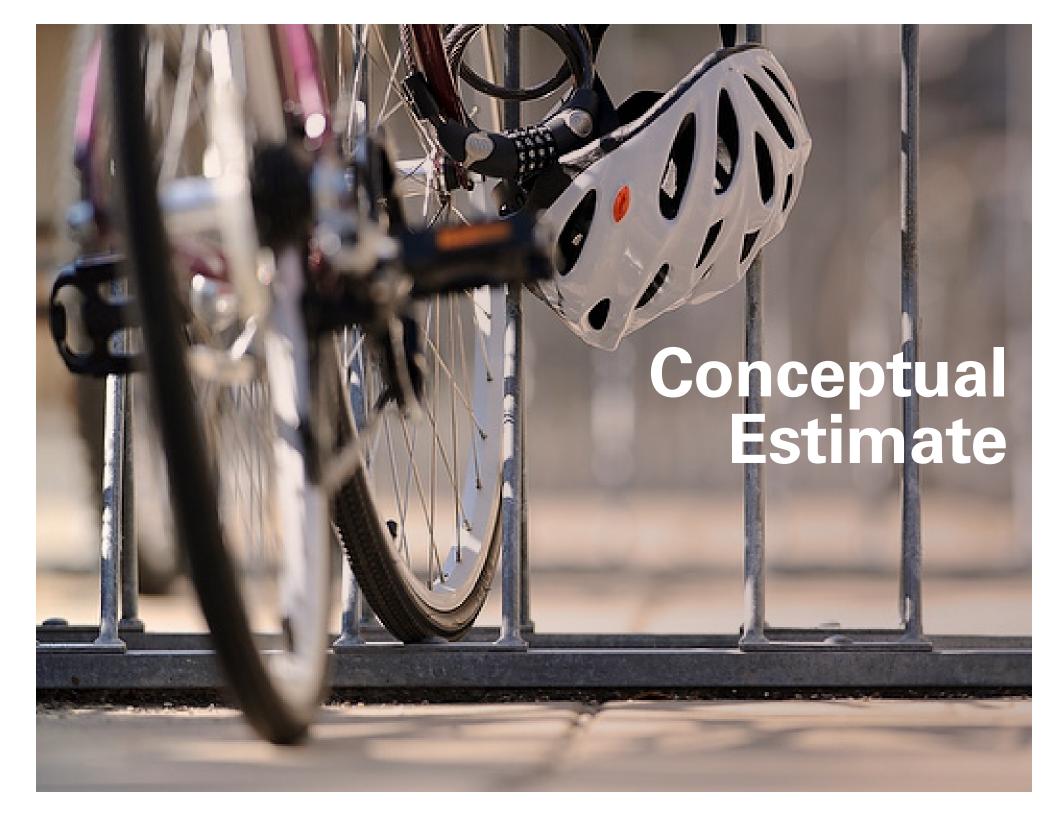
SERF — Fitness Center



SERF — Track



SERF — Gymnasium



			Conceptual Project Budgets
	Master Plan - Project Budget Summary	Anticipated Construction	Total Cost
Α	Near West Fields	2016	\$6,264,605
В	SERF w/ existing pool	2017-19	\$74,719,968
C	New Natatorium w/ Kinesiology	2019-21	\$124,089,077
D	Near East Fields	2021	\$5,021,935
E	TOTAL OF PROJECTS IN REFERENDUM	A+B+C+D	\$210,095,585
F	Neilsen Tennis Center - Addition	2017-19	\$15,427,327
G	University Bay Fields	2017-19	\$17,282,451
Н	TOTAL OF PROJECTS NOT IN REFERENDUM	F+G	\$32,709,778
		TOTAL OF ALL PROJECT BUDGETS	\$242,805,363

Notes:

- 1. Conceptual Construction Estimates prepared by The Concord Group. Final Estimate dated December 18, 2013.
- 2. Estimates include pricing as of December 2013.
- 3. All construction estimates were escalated using Design Cost Data indexes and regional modifiers. Each project was escalated to the midpoint of construction.
- 4. Construction phasing and anticipated construction start dates were determined by the University of Wisconsin-Madison.
- 5. Of the "Projects in Referendum", approximately \$25million \$30million is assumed for the School of Kinesiology. This portion will be funded separately outside of student segregated fees.

				Conceptual Project Budget
	Near West Fields			Total Cost
Α	Near West Fields - Construction Estimate			\$4,279,521
В	Design & Bidding Contingency	10%	хА	\$427,952
C	Escalation to Construction (2016)	6.65%	x A +B	\$313,047
D	TOTAL CONSTRUCTION COST		A+B+C	\$5,020,520
	SOFT COSTS			
E	Owner/Construction Contingency	7.0%	x D	\$351,436
F	DFD Management Fees	4.0%	xD+E	\$214,878
G	A/E Fees	7.0%	хD	\$351,436
Н	Moveable and Special Equipment (FF&E, Scoreboard, etc)	5.0%	хD	\$251,026
1	Testing / Surveys / Special Fees / Reimbursables	1.0%	хD	\$50,205
J	Project Commissioning	0.5%	хD	\$25,103
K	SOFT COST TOTAL		E+F+G+H+I+J	\$1,244,085
L	TOTAL PROJECT COST		D+K	\$6,264,605

				Conceptual	Project Budget
	SERF w/ existing pool				Total Cost
Α	SERF - Construction Estimate	253,000 SF		\$191 /SF	\$48,280,441
В	Design & Bidding Contingency	7%	хА		\$5,759,857
C	Escalation to Construction (2017)	11.93%	x A +B		\$6,447,008
D	TOTAL CONSTRUCTION COST		A+B+C		\$60,487,305
	SOFT COSTS				
Ε	Owner/Construction Contingency	7.0%	хD		\$4,234,111
F	DFD Management Fees	4.0%	xD+E		\$2,588,857
G	A/E Fees	7.0%	x D		\$4,234,111
Н	Moveable and Special Equipment (FF&E, Fitness Equip, etc)	4.0%	хD		\$2,419,492
1	Testing / Surveys / Specialty Consultants Fees / Reimbursabl	1.0%	хD		\$604,873
J	Project Commissioning	0.25%	хD	_	\$151,218
K	SOFT COST TOTAL		E+F+G+H+I+J		\$14,232,663
ı	TOTAL PROJECT COST		D+K	=	\$74,719,968

				Conceptual	Project Budget
	New Natatorium with New Kinesiology				Total Cost
Α	New Natatorium and Kinesiology Bldg Construction Estin	ni 470,900 SF		\$173 <i>I</i> SF	\$81,381,863
В	Design & Bidding Contingency	7%	хА		\$5,696,730
C	Escalation to Construction (2019)	16.30%	xA+B		\$14,193,811
D	TOTAL CONSTRUCTION COST		A+B+C	\$6 E	\$101,272,404
	SOFT COSTS				
E	Owner/Construction Contingency	7.0%	x D		\$7,089,068
F	DFD Management Fees	4.0%	xD+E		\$4,334,459
G	A/E Fees	6.0%	x D		\$6,076,344
Н	Moveable and Special Equipment (FF&E, Fitness Equip, etc)	4.50%	x D		\$4,557,258
1	Testing / Surveys / Special Fees / Reimbursables	0.5%	x D		\$506,362
J	Project Commissioning	0.25%	хD		\$253,181
K	SOFT COST TOTAL		E+F+G+H+I+J		\$22,816,673

L TOTAL PROJECT COST D+K \$124,089,077

				Conceptual Project Budget
	Near East Fields			Total Cost
A	Near East Fields - Construction Estimate			\$3,064,294
В	Design & Bidding Contingency	10%	хА	\$306,429
C	Escalation to Construction (2021)	19.88%	x A +B	\$670,100
D	TOTAL CONSTRUCTION COST		A+B+C	\$4,040,823
	SOFT COSTS			
E	Owner/Construction Contingency	7.0%	хD	\$282,858
F	DFD Management Fees	4.0%	xD+E	\$172,947
G	A/E Fees	7.0%	хD	\$282,858
Н	Moveable and Special Equipment (FF&E, Scoreboard, etc)	5.0%	хD	\$202,041
1	Testing / Surveys / Special Fees / Reimbursables	0.5%	x D	\$20,204
J	Project Commissioning	0.5%	хD	\$20,204
K	SOFT COST TOTAL		E+F+G+H+I+J	\$981,112
L	TOTAL PROJECT COST		D+K	\$5,021,935

\$15,427,327

n Addition - Construction Estimate & Bidding Contingency	47,075 SF 7%		\$215 /SF	Total Cost
& Bidding Contingency	12 THAN SECURE OF THE PARTY.		\$215 ISE	
	7%		Ψ-10701	\$10,132,088
d t- Ct (2017)	-10-0	хA		\$709,246
tion to Construction (2017)	10.93%	xA+B		\$1,184,958
CONSTRUCTION COST		A+B+C		\$12,026,292
COSTS				
/Construction Contingency	7.0%	x D		\$841,840
anagement Fees	4.0%	xD+E		\$514,725
es	7.5%	x D		\$901,972
ble and Special Equipment (FF&E, Fitness Equip, etc)	8.00%	хD		\$962,103
g / Surveys / Special Fees / Reimbursables	1.0%	хD		\$120,263
t Commissioning	0.50%	x D	_	\$60,131
OST TOTAL		G+H+I+J+K+L	_	\$3,401,035
i	Construction Contingency anagement Fees es ble and Special Equipment (FF&E, Fitness Equip, etc) Commissioning	/Construction Contingency 7.0% anagement Fees 4.0% es 7.5% ble and Special Equipment (FF&E, Fitness Equip, etc) 8.00% / Surveys / Special Fees / Reimbursables 1.0% Commissioning 0.50%	/Construction Contingency 7.0% x D anagement Fees 4.0% x D +E es 7.5% x D ble and Special Equipment (FF&E, Fitness Equip, etc) 8.00% x D / Surveys / Special Fees / Reimbursables 1.0% x D Commissioning 0.50% x D	/Construction Contingency 7.0% x D anagement Fees 4.0% x D +E es 7.5% x D ble and Special Equipment (FF&E, Fitness Equip, etc) 8.00% x D / Surveys / Special Fees / Reimbursables 1.0% x D Commissioning 0.50% x D

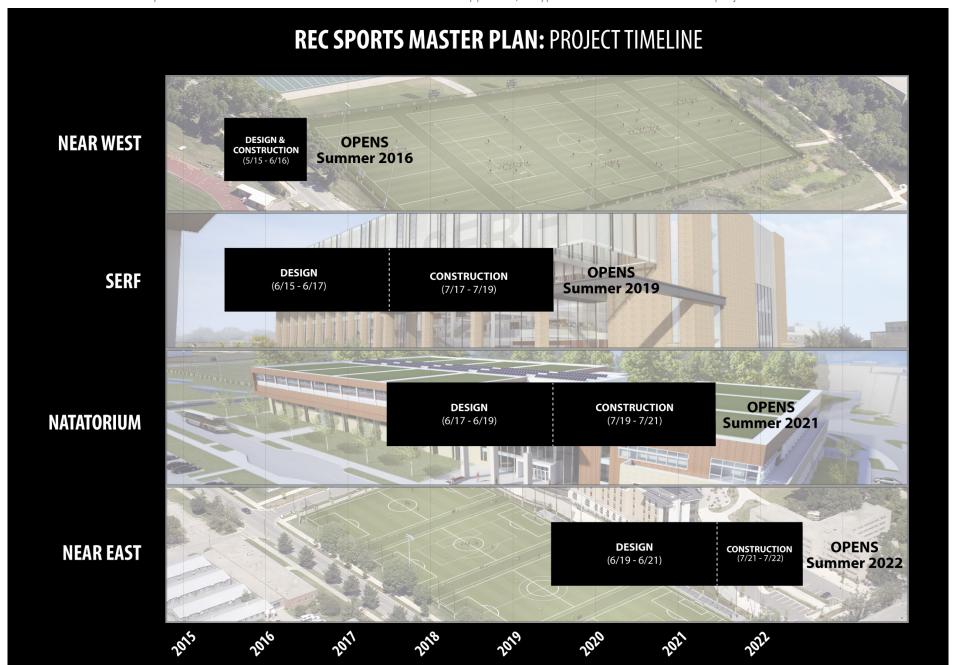
F+M

L TOTAL PROJECT COST

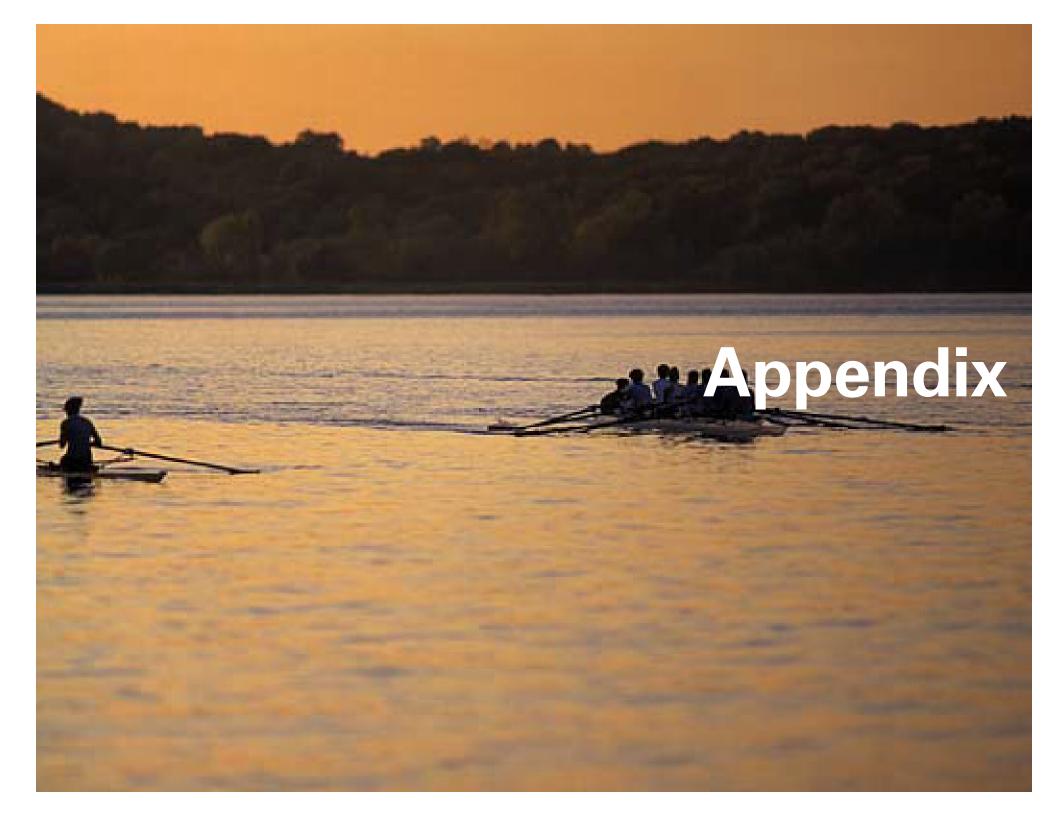
				Conceptual Project Budget
	University Bay Fields (Far West Fields)			Total Cost
Α	University Bay Fields - Construction Estimate			\$12,052,307
В	Design & Bidding Contingency	7%	хА	\$843,661
C	Escalation to Construction (2017)	9.15%	x A +B	\$1,179,981
D	TOTAL CONSTRUCTION COST		A+B+C	\$14,075,950
	SOFT COSTS			
E	Owner/Construction Contingency	7.0%	хD	\$985,316
F	DFD Management Fees	4.0%	xD+E	\$602,451
G	A/E Fees	7.0%	хD	\$985,316
Н	Moveable and Special Equipment (FF&E, Scoreboard, etc)	3.0%	хD	\$422,278
1	Testing / Surveys / Special Fees / Reimbursables	1.0%	хD	\$140,759
J	Project Commissioning	0.5%	хD	\$70,380
K	SOFT COST TOTAL		E+F+G+H+I+J	\$3,206,501
L	TOTAL PROJECT COST		D+K	\$17,282,451



Upon completion of this study, it is anticipated that the University of Wisconsin-Madison will put the SERF, Natatorium, Near East & West Fields forth as a Student Referendum question in March of 2014. If a March Referendum is approved, a hypothetical schedule for these projects could be:



Schedule courtesy of UW Rec Sports



The Appendix information has been included separately on a CD. The CD includes:

PRESENTATIONS

Workshop 2
Workshop 3
Workshop 4
Workshop 5
Workshop 6
10.08.2013

MEETING MINUTES

BUILDING PROGRAMS

- Natatorium
- SERF
- Nielsen Wellness Center and Tennis Stadium

CONSTRUCTION COST ESTIMATES

CIVIL ENGINEERING AND SYNTHETIC TURF ANALYSIS

EXISTING FACILITY ASSESSMENTS

CONCEPTUAL DESIGN

- Site Plan
- Floor Plans
- Renderings