

**FOCUS GROUP MEETING MINUTES****DATE** February 10, 2012**FROM** Michael Jacobs, AIA, CID, LEED AP
Principal Architect**TO** Rob Knarr, PE (for distribution to NKU)
Project Manager**SUBJECT** **Campus Recreation Center**
Northern Kentucky University
Highland Heights, KY**2c**

COMMENTS: The project executive committee meetings convened at 8:00 am this date with NKU executive committee, Cannon Design, Omni Architects and Counsilman-Hunsaker in Room SU 107 of the NKU Student Union. The first meeting was at 8:00am to discuss the pool and the possible design options with Steve Crocker of Councilman-Hunsaker. The following meeting is a summary meeting with NKU project executive committee, Cannon Design and Omni Architects to summarize the group sessions over the last 2 days and to discuss the next steps to be taken by the design team before the next meeting.

POOL DISCUSSION**8:00am – 10:00am****SU 107**

All parties introduced themselves, whom they represented, and their role in the project. See attached sign in sheets, which include their email addresses.

Steve Crocker presented a power point presentation on current trends in pool design. The presentation included details of the requirements for competitive swimming and the different types of elements that are typically found in recreation pools

Steve Crocker discussed competition swimming pools:

- Existing swimming pool is 25 yards x 25 meters, which meets NCAA requirements, the lanes are 7'-0" wide, pool depth is 3'-8" in the lap lane area
- Currently NKU does not have a swim team and does not have any plans for a team in the future so the new facility will not be used for competition.
- One option to make the pool flexible is to have a movable floor so you don't have to build 2 separate pools

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- If the pool has varying depths in the lap lane area to have both competition and recreation then the changes in water temperature could be conflictive (competition pools are typically deeper and cooler, while recreation pools are typically warmer). Most pools are set at 83 degree F.
- The lighting for the pool may require a cat walk system. Can use the "Light Truss" idea that was shown in Steve's presentation. Artificial lighting can affect the projects LEED points, more day lighting would be preferable
- Steve discussed the option of a "stretch 25 pool". Length options are available. Has a movable bulkhead (monolithic fiberglass tube that is filled with air on top of the water) to separate the functions of the pool without having to build a wall.
- Seating was discussed. Typical local meets will need to seat 100-150 people. Matt noted that he would prefer to maintain the existing high school training as an on going part of the NKU facility but would prefer not to do competitions. The revenue generated for high school training is a necessity for the facility. The new design could reconfigure the existing walls to improve deck space for people and possibly bleachers
- Through this discussion it was noted that the pool could be left "as is" with just minor upgrades
- The existing pools filtration system will need to be updated
- In order to keep the existing gutters level stainless steel edge could be welded on
- Adding starting blocks will reduce deck space by 24"
- Steve recommended that the starting blocks, that do not meet code, be removed, or be relocated to other end of the pool

Steve Crocker discussed recreation pool design:

- Students would like the lounge and relaxation of a recreation pool
- Could provide wireless access to pool area
- Hot tubs are a very popular option
- Could provide underwater lights for movie viewing
- A water vortex pool could be used, has rotating water powered by water jets. Can also be used as a multi-use space. Typically about 3.5 feet deep
- Water slides can be put in the deep (diving) end of the pool. Drop slides are very popular (usually several feet above the water. NKU prefers not to explore any water slide options
- Climbing walls come in different types for swimming pools. Some can be removed and stored, others are fixed and can be added to the existing facility deep end
- Zip lines can be installed over the lap lane area (about \$200 in materials)
- ADA accessibility was discussed. In March 2012 it will become law that all pools will have to meet the new standards that will be implemented at that time. There will be a requirement for both a primary and secondary entry point. Primary entry will require a ramp or a lift to be in place at all times. Secondary entry will need to be a stair between 20"-24" wide (could modify existing stairs)

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- Social spaces could utilize benches and TV's mounted on the walls.

Steve Crocker discussed pool design issues at other universities:

- Southeast Missouri State – \$1.2 Million pool cost (3 pools, 3 temp. settings, 3 systems). Had a canoe and kayak training area
- UT Chattanooga – Water slides and kayak training area
- University of Iowa – Vortex pool, current channel, hot tub
- University of Southern Alabama – Lap lanes indoor and outdoor
- Texas Tech – Huge outdoor complex
- Lindsey Wilson College – \$1.8 Million Pool and spa. Had a wall that separated pools (near top of water level) for coaches to walk on. Could fit the entire pool in a 25 yard x 25 meter area (same size as NKU existing pool)
- University of North Texas – 2 pools in 2 different rooms to utilize 2 different temperatures in the water as well as 2 different temperatures in the rooms themselves

SUMMARY/NEXT STEPS

10:00am – 12:00pm

SU 107

Mike Jacobs led a group discussion with the NKU Project Executive Committee, Cannon Design and Omni Architects which summarized the ideas that were discussed through all of the group sessions over the past 3 days. See attached sign in sheets, which include their email addresses.

- The group agreed that it makes sense to keep the existing pool and add a recreation area
- Due to the different water temperatures typically used in competition and recreation pools the group agreed that 2 separate pools are probably more desirable
- It was noted that there is too much focus placed on competitions when the existing pool is not utilized for that currently
- Mary Paula stated the cost estimates will help the group focus the future discussions on these issues
- It was noted that a hot tub would be desirable
- David noted that on a previous project (Birmingham, AL) that the school decided to use 3 lap lanes and a larger recreation area but over time grew to regret that decision and wished that they had more lap lanes
- Steve stated that using 2 separate pools used more money to operate than just one large pool like what was used at Lindsey Wilson
- It was noted that the width of the lap lanes could be minimized to create a larger recreation area
- It was noted that as an option (long term) that NKU could use the existing pool as is and if/when competitions became a necessity that NKU could build a new pool at that time

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- David asked about the idea of having an outdoor environment and suggested that the pool be adjacent to the proposed outdoor area/patio
- It was noted that the zip line and removable climbing wall would be a good idea
- It was noted that the existing diving boards should remain
- It was noted that the existing sauna does not work and could be removed or relocated to a more social location
- It was noted that the hot tub should be either connected to or within close proximity to the recreation pool
- It was agreed upon that there is a need for changing rooms for families (children) for security and safety concerns
- Mary Paula summarized some points that were agreed upon:
 - Existing pool to remain and team will investigate adding additional elements
 - Removable climbing wall could be separated from the other part of the pool by wall but not necessarily by a slope in the pool to save on real estate in the recreation area
 - A water slide is not necessary
 - An outdoor area/patio will be considered (relocated existing batting cages if necessary)
 - 3 to 4 Lap Lanes would be desirable (for basketball and classes)
 - A hot tub for 40 people will be considered
 - A vortex swimming area with a TV will be considered (volleyball could be played there)
 - There will be an NKU logo in the pool
 - University of Dayton's swimming pool is a good example for NKU to follow
 - Size: 60'x75'

Summary/Next Steps

Focus group information will be summarized and issued as meeting minutes. Cannon Design will summarize the surveys issued in the group sessions

Programming:

- Design team will develop 2 or 3 schemes from data gathered
- NKU will work with CMTA and look at possibilities of using geothermal heat for the pools
- The design team will develop scenarios for options like the running track and review cost versus the project priorities before schematic design can start
- We can follow up with the students through the website and social media. We can also use these avenues to show the programming options in the coming weeks
- Vivian will develop an estimate for the field. The design team will need to review LEED to see if the proposed field location affects certification. Survey was started this week but will not be complete until mid/late march
- The focus groups will be removed from the current agenda for the next meeting and the site meeting will be moved to be the first meeting

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- The Project Steering Committee meeting will be moved on the current agenda for the next meetings to discuss findings and programming options. Will need to send them the survey summaries before the meeting
- Steve Crocker can return to help with the different design scenarios for the pool once the program budget is determined
- Reed Voorhees will generate a spreadsheet to track the design options during the next meetings
- The group will avoid issuing schematic design images and pictures to send out publicly until the design is set. The communication to the public will be more general in scope
- David asked about the Kinesiology department needs. Mary Paula said that the group will need to explore their current and future needs. They need a bigger athletic training lab (could build a training lab and when/if they are relocated that space could become a activity/multi-purpose room). Does their current office location stay the same or does it get relocated and enlarged?

Phasing:

- The addition will be constructed and the existing facilities will be relocated to the new addition until the existing spaces can be renovated.
- The new multi-purpose room could be used as office space temporarily
- The earth fill that will be needed for the field will be considerable, could the site be opened up as a "fill site"? This could cause settlement problems due to the type of soil currently on the NKU campus. Any new soil will need to be engineered, so this will deter people from wanting to dump fill dirt due to the cost of engineering the soil. Michael Jacobs noted that if engineered fill is required as a future building pad, the site prep costs will increase. Mary Paula indicated that we should follow the master plan for future building zones. NKU will want to discuss cost impact for any new fill compaction requirements. For example, what premium is being paid for solid 98% building pad compaction vs. site work 95% compaction
- Could the existing soccer field be turned into 2 softball fields after the road work is completed?
- Mary Paula will send layouts of the new and proposed road layouts to the design team

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The meeting adjourned at approximately 12:00 pm.

Meeting minutes have been prepared to establish a record of the meeting and information shared. The information presented herein shall in no way supersede or modify the Contract Documents. Should you have any questions, comments or corrections, please forward to Omni Architects within three days.

Attachments: Sign-in Sheet (2 pages)
Aquatics Schedule Grid
Diving Boards Schedule Grid
Main Gym Scheduling Grid
MPR Scheduling Grid

cc:	Larry Blake	NKU
	Steve Nienaber	NKU
	Mary Paula Schuh	NKU
	Michael Jacobs	Omni Architects
	Don Adams	Omni Architects
	Jay Copley	Omni Architects
	George Nikolajevich	Cannon Design
	Reed Voorhees	Cannon Design
	David Body	Cannon Design
	John McAlister	Cannon Design
	Steve Crocker	Counsilman-Hunsaker
	Tony Hans	CMTA
	Peyman Jahed	BFMJ
	Vivian Llambi	VLA
	Mark Gillis	The Sextant Group
	Robert Pass	RP+A
	Correspondence File	

MWJ/mwj

Meeting Attendees



CANNON DESIGN

Subject: Northern Kentucky University Campus Recreation Center

Location:

3A 104

Date:

2/16/12

Time:

8:00

NAME

REPRESENTING / ROLE

(Please Print)

TELEPHONE

EMAIL

Jennifer Hilvert	Campus Recreation	572-5295	hilvertj1@nku.edu
Matt Hackett	Campus Recreation	572-5198	hackettm2@nku.edu
Jeffrey Maple	Dean of Studies	572-5147	maplej1@nku.edu
Steve Niemeyer	Arch & Const Mgmt	572-1366	nienm@nku.edu
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Arnold Hunsicker	NKU Op & Maint.	572-5453	hunsickerb@nku.edu
Harry Blake	NKU Facilities	572-1927	blakeh1@nku.edu
Mary Paula Schuch	NKU Campus Planning	572-5122	schuch@nku.edu
Ken Ramey	NKU Alumni / Finance	572-5125	ramey@nku.edu
Rob Knapp	NKU Project Manager	572-1989	rob.knapp@nku.edu
KEIP VOORHEES	CANNON DESIGN	314-425-8702	voorhees@cannondesign.com
JOHN MCALISTER	CANNON DESIGN	314-425-8753	mcalist@nku.edu
DAVID BROWN	CANNON DESIGN	314-229-2713	brown@cannondesign.com

For Discussion

Omni **CANNONDESIGN**

8:00 AM

E M A I L

[illegible]

pool MTE

	Sunday	Monday	Tuesday
6:30 AM			Open Rec
7:00 AM			6:30am-6:30pm
7:30 AM			
8:00 AM			
8:30 AM			
9:00 AM			
9:30 AM			
10:00 AM			
10:30 AM			
11:00 AM		Open Rec	
11:30 AM		11-6:30pm	
12:00 PM	Open Rec		
12:30 PM			
1:00 PM			
1:30 PM			
2:00 PM			PHE Class 2-3:15
2:30 PM			Open Rec
3:00 PM			
3:30 PM			
4:00 PM			
4:30 PM		Cinci Marlins 4:30-8:30	Cinci Marlins 4:30-8:30
5:00 PM			
5:30 PM			
6:00 PM		Lifeguard Class 6:00-8:00	
6:30 PM		Open Rec 6:30pm	Open Rec 6:30pm
7:00 PM			
7:30 PM			
8:00 PM			
8:30 PM		Open Rec	Campbell County
9:00 PM		8:30-10:30	
9:30 PM			8:30-10:30
10:00 PM			

Wednesday	Thursday	Friday	Saturday
	Open Rec		
	6:30am-6:30pm		
			Campbell County 8-9:30am
			Cinci Marlins 9:30-11 am
			Special Olympics 11am-12:30pm
			Open Rec 11am-3pm
Open Rec		Open Rec	
11-6:30pm		11-6:30pm	
	PHE Class 2-3:15		
	Open Rec		
Cinci Marlins 4:30-8:30	Cinci Marlins 4:30-8:30	Cinci Marlins 4:30-8:30	
Water Safety Class 6-9			
Open Rec 6:30pm	Open Rec 6:30pm	Open Rec 6:30pm	
Open Rec	Campbell County		
8:30-10:30			
	8:30-10:30		

Dive Well

	Sunday	Monday	Tuesday
6:30 AM			
7:00 AM			
7:30 AM			
8:00 AM			
8:30 AM			
9:00 AM			
9:30 AM			
10:00 AM			
10:30 AM			
11:00 AM			
11:30 AM			
12:00 PM	Thunderbird 12-2		
12:30 PM	Dive Cinci 1-3		
1:00 PM			
1:30 PM			
2:00 PM			
2:30 PM			
3:00 PM			
3:30 PM			
4:00 PM			
4:30 PM		NDA 4:30-6	
5:00 PM		Cov. Cath 6-7:30	
5:30 PM		Highlands 7:30-8:30	Ryle 5:30-7:30
6:00 PM			Dive Cinci 6-8
6:30 PM			St. Henry 7:30-8:30
7:00 PM			Beechwood 8-9:30
7:30 PM		Campbell County 8:30-10:30	
8:00 PM			
8:30 PM			
9:00 PM			
9:30 PM			
10:00 PM			
10:30 PM			
11:00 PM			

[illegible]

Room: **Main Gym Court #1****Room 133**Semester: **Fall Session I****2011**

time	Mon	Tue	Wed	Thur	Fri	Sat	Sun
5:00am	Closed	Closed	Closed	Closed	Closed	Closed	Closed
6:30am	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Closed
7:00am	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Closed
8:00am	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed
9:00am	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed
10:00am	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed
11:00am	PE	Open Rec	PE	Open Rec	PE	Open Rec	Closed
12:00pm	PE	Open Rec	PE	Open Rec	PE	Open Rec	Open Rec
1:00pm	PE	Open Rec	PE	Open Rec	Open Rec	Open Rec	Open Rec
2:00pm	PE	Open Rec	PE	Open Rec	Open Rec	Open Rec	Open Rec
3:00pm	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec
4:00pm	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Open Rec
5:00pm	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Open Rec
6:00pm	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Open Rec
7:00pm	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Open Rec
8:00pm	Open Rec	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Open Rec
9:00pm	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Closed	Closed
10:00pm	Open Rec	Open Rec	Open Rec	Open Rec	Closed	Closed	Closed
11:00pm	Closed	Closed	Closed	Closed	Closed	Closed	Closed

Dates: PE

Dates: IM

	Campus Rec Open Rec
	Campus Rec IM
	Campus Rec Club
	PE

Multipurpose room request
Fitness Spring 2012

Multi- Purpose Rm

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday			
6:30 AM				Fitness 6:30am-7:45am						
7:00 AM										
7:30 AM										
8:00 AM		PHE	Fitness 8am-9:30am	PHE	Fitness 8am-9:30am		Fitness 8:30am-12pm			
8:30 AM										
9:00 AM										
9:30 AM										
10:00 AM		PHE		PHE						
10:30 AM										
11:00 AM										
11:30 AM										
12:00 PM		Fitness 12-1pm	Fitness 12-1pm	Fitness 12-1pm	Fitness 12-1pm	Fitness 12-1pm				
12:30 PM										
1:00 PM							Club			
1:30 PM			PHE		PHE					
2:00 PM		PHE		PHE						
2:30 PM										
3:00 PM	Dance	Fitness 3pm-8:15pm	Fitness 3pm-8:15pm	Fitness 3pm-8:15pm	Fitness 3pm-8:15pm					
3:30 PM										
4:00 PM						Fitness 4pm -7pm	Club	Dance	Club	
4:30 PM										
5:00 PM										
5:30 PM										
6:00 PM										
6:30 PM										
7:00 PM										
7:30 PM										
8:00 PM		Club	Dance	Club	Dance					
8:30 PM										
9:00 PM										
9:30PM										
10:00PM										
10:30PM			Dance		Dance					
11:00PM										