2025-2026 STUDNET CHAPTER COMPETITION



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Helm Group Senior Project Manager





2025-2026 STUDENT CHAPTER COMPETITION

INTRODUCTION

MCAA Water Park



KEY DATES

Competition Released

September 10, 2025

Documents are available on Procore

Proposals Due

December 10, 2025 by 4PM Central

Final submission deadline for all proposal materials. Submit through Procore.



RFIs Due

December 3, 2025

Submit all RFIs through Procore.

Responses will be distributed to all teams.

Final Four Presentations

March 17, 2026

Student Chapter Competition will take place at MCAA26 in Phoenix, AZ.



PROJECT REQUIREMENTS

Cover + Student Chapter Contact Page

Pay attention to the required information on Cover + Contact Page.

- This is your real contact information
 - not your fictitious job titles and contact information
- BEFORE your table of contents

Segment 1

Prequalification Data

- Similar to last year's RFP
- Items have moved to Segment 2 and are project specific

Segment 2

Project Specific Information

- PROJECT SPECIFIC
- Question if something needs to go into the Appendix
- Addition of BIM execution plan

Segment 3

Preventative Maintenance and Service Contract

• Present contract elements in alignment with requested information



COMMON MISTAKES TO AVOID



Procrastinating

Get a jump start! Ask RFIs early so you have time to prepare your proposal.



Recycling too much

Use last year's proposal as a starting place, but make sure to scrub anything that doesn't apply to this year!



Ignoring guidelines

Follow formatting and submission requirements outlined in the RFP and the rules.



Generic instead of <u>project specific</u>

Proposals should illustrate **project specific** content.



RESOURCES & SUPPORT

Ferguson Unit Pricing

Provided in the project documents on Procore.

Trimble Take-off Software

Choose the software that make sense for your team.

MCAA WebLEM

Utilize this to develop your labor.

Pay attention to the basic assumptions.







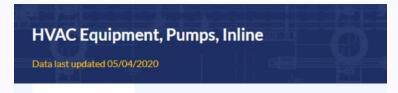


LABOR PRODUCTIVITY EXAMPLE

12 hours

25 hp inline pump

1.0 MCAA Productivity Factor



COMPONENT

ID

SIZE (HP)	WEIGHT (LBS.)	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	LABOR HOURS
1/2	50	12	8	10	3.00
2	100	16	12	12	4.00
10	225	24	18	36	8.00
25	320	29	21	45	12.00
150	1390	49	32	67	24.00
500	5000	52	33	103	48.00

+0.24 hours

Installation on 4th floor

2% per floor above 3rd

III GRADE LEVEL AND ABOVE:

A. Piping installed between ten (10) feet and twenty (20) feet

B. Working off dirt floor (such as ladder work)

C. Multi-story building above 3rd floor

Multi-story building above 20rd floor

Multi-story building above 20rd floor

D. Other conditions to be considered but no factors suggested.

1. Piping above furred ceilings

2. Piping in furred vertical spaces

3. Piping in furred horizontal beams

4. Reducing height of scaffold for moving due to overload interference

12.24 hours

Total labor for component

1.03 MCAA Productivity Factor





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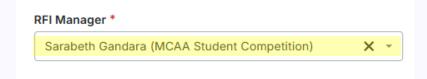
Submit RFIs

Formal RFIs will be processed through Procore and distributed to all teams.

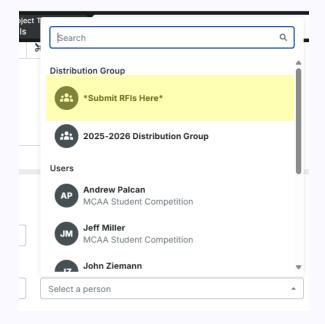


RFI SUBMISSION REQUIREMENTS

RFI Manager



Assignees



Received From

Your Name Here

Open RFI

Create as Open



RESOURCES & SUPPORT

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Submit RFIs

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Seek Guidance

Find alumni or support from your local MCAA chapter.

CAUTION: AI

Human verification required.

Take note of security of data.



FINAL SUBMISSION CHECK LIST

- Check Table of Contents
- Verify all links work properly
- Review for spelling and grammar
- Confirm alignment with RFP and Rules
- Do all numbers match?











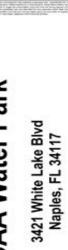


MCAA Water Park 3421 White Lake Blvd Naples, FL 34117





1 | VICINITY IN



MCAA Water Park

PLEONING PLEO
PLANE SOM ST
PLANTE HISTORY
HARMONIA
OLDER MANAGEMENT
PL16075,36075,560
Printerior
N-100-PE-DOM: DE

	REVISION	SCHEDULE
10	DATE	DESCRIPTION
	12/22/2021	95%-CD
В.	09/10/2022	ADDENDUM II
-	69/11/2022	100% CD
C	05/05/2022	ADDENDUM C

DATE	06/06/2022
PROJECT NO.	21,249
DRAWNBY	TAL
CHECKED BY	Red
PHASE	PERMIT DRAWINGS

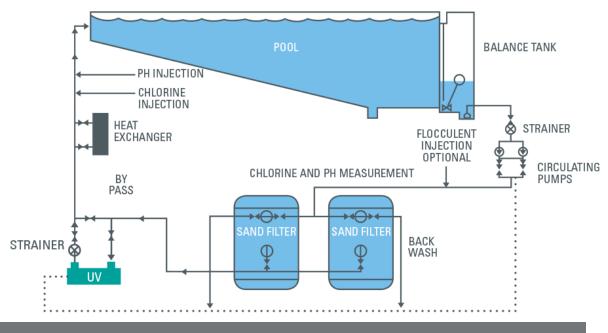
COVER

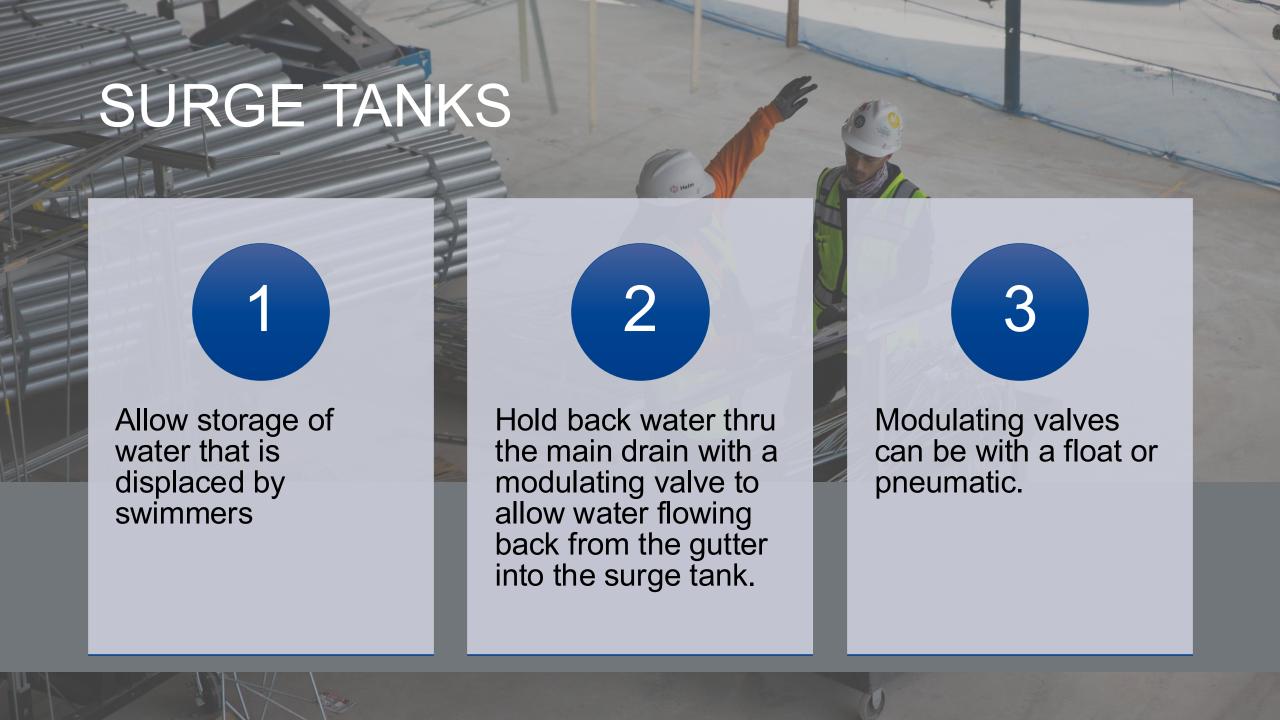
PL001

OVERALL OPERATION – SYSTEM

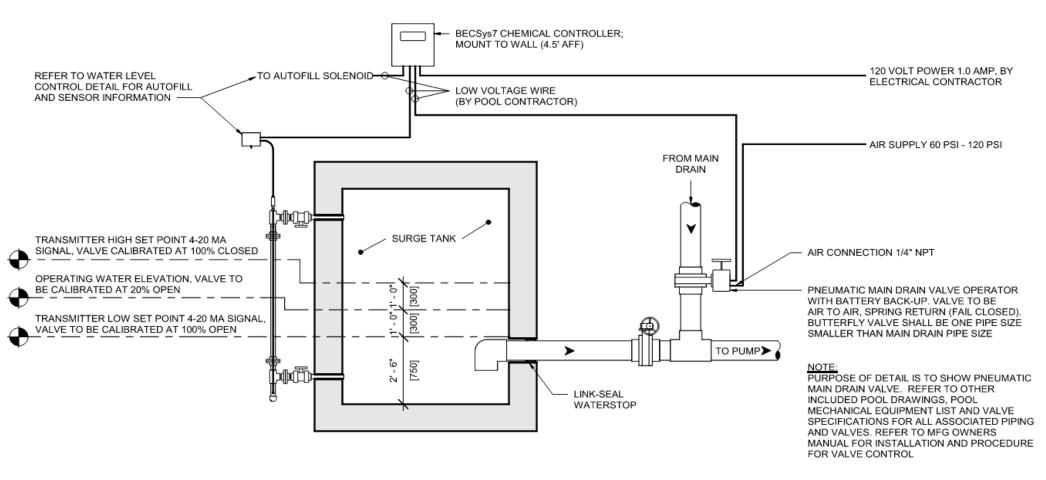
- Water flows thru the main drains, gutters into the surge tank
- Water is pumped from surge tank traveling thru H&L strainers to the main filter
- Once filtered, it can be treated by Ultraviolet Disinfection System
- Heated and finally treated with chlorine and pH control

FLOW DIAGRAM FOR SINGLE POOL WITH ULTRAVIOLET DISINFECTION

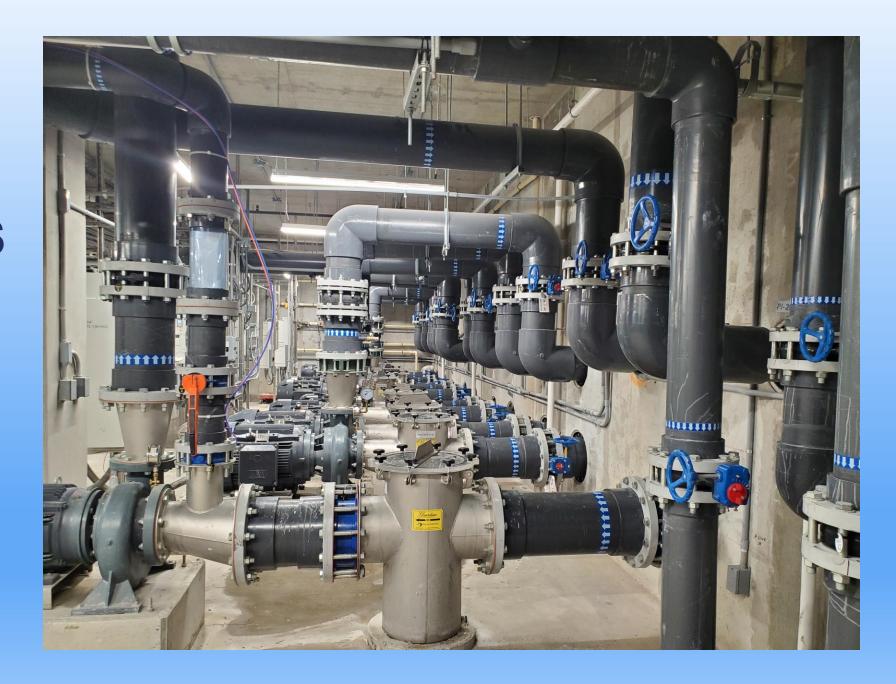




SURGE TANKS - DETAIL



PUMPS AND BASKET STRAINERS



PUMPS AND PIPING



FILTRATION - REGEN FILTERS MCAA WATER PARK





FILTRATION - REGEN FILTERS MCAA WATER PARK





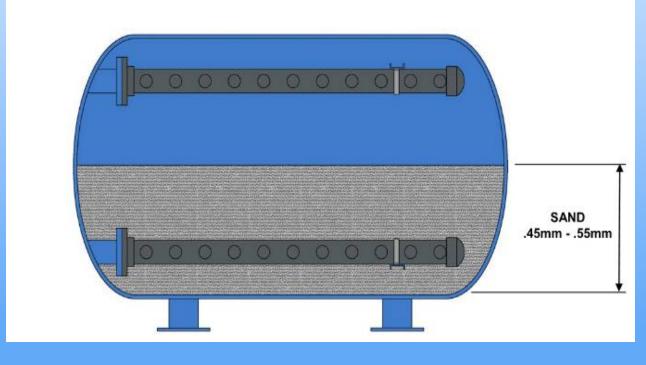
FILTRATION - SAND FILTERS

- Larger horizontal high-rate sand filters
- Double stacked
- Headered together
- Multi-linkage valving



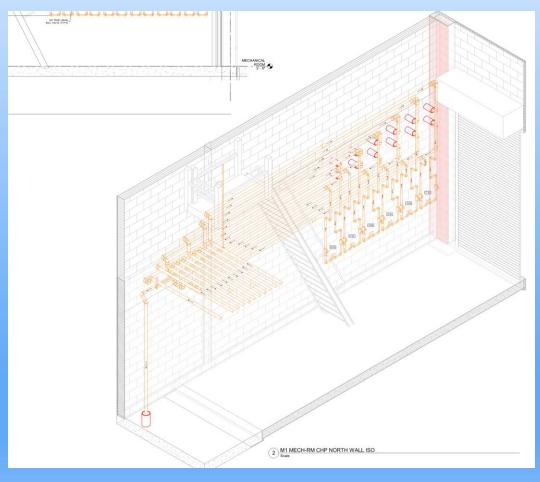
FILTRATION - SAND FILTERS

- Inside a filter tank?
- Media Sand
- .45mm To.55mm Silica
- Particles are large enough they won't pass thru the filter laterals



WATER TREATMENT SYSTEMS







MCAA Water Park 3421 White Lake Blvd Naples, FL 34117





1 VICINITY M



MCAA Water Park

3421 White Lake Blvd Naples, FL 34117

FOOLA-WAIE POOL	PLEON, DOM, DO
POOLS ACTIVITY FOOL	PLOS PLOOPES DE
POOL C - LAZY RIVER	0,1000,0000,000
WET DECK D - CHILDREN'S WET DROK	PLNESTI, SEUTI, SEI
WET SHOW BY PLANT	Ph. State Ph. State Ph. State
FOOLF - SLEE COMPLEX	PL16079LR0075,500
FOOL C. OUTSOOK LEISUNG FOOL	Printerpolitics
POOL IN-OUTDOOR WHIPLIPOOL	N. SELECTION PROPERTY.

	REVISION SCHEDULE			
10	DATE	DESCRIPTION		
	12/22/2021	95%-CD		
B	09/10/2022	ADDENDUM II		
	69/11/2022	100% CD		
c	06/06/2022	ADDENDUME		

DATE	06/05/2022
PROJECT NO.	21,249
DRIAWN BY	T.A.
CHECKED BY	Reg
PHASE	PERMIT DRAWINGS

COVER

PL001

MCAA WATER PARK 2025 Wave Pool Activity Pool

Activity 1 00

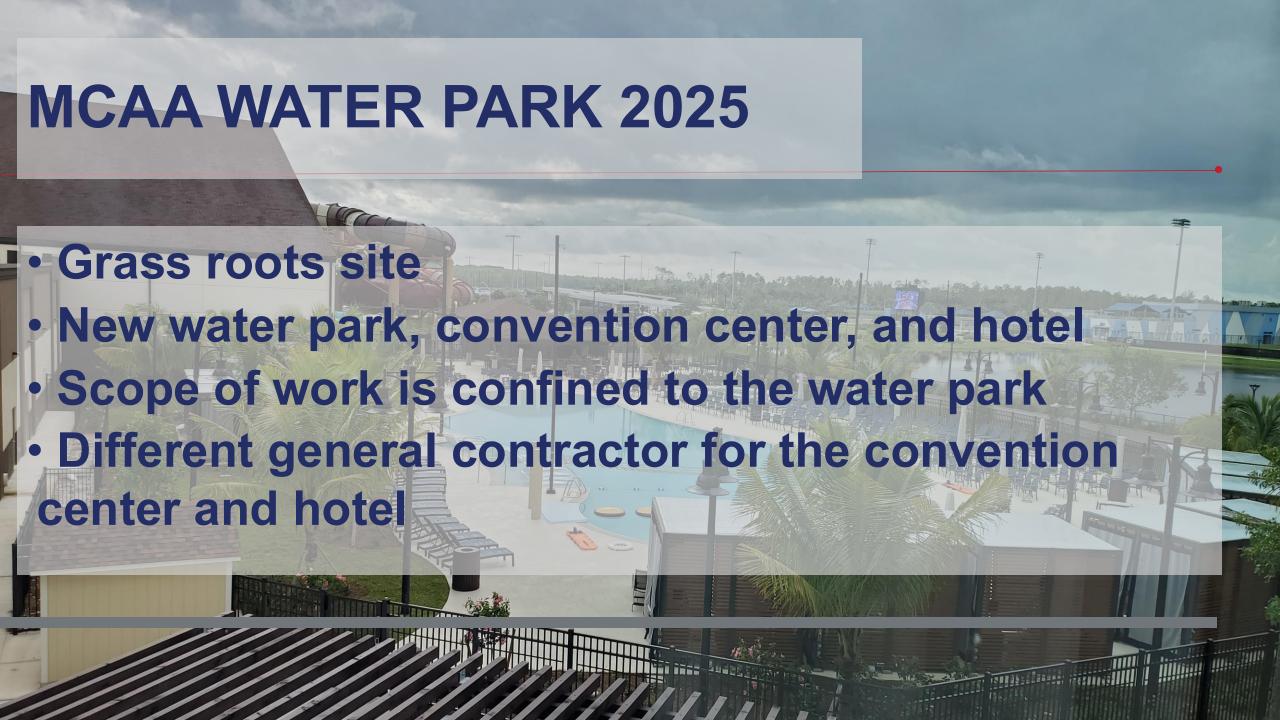
Lazy River

Children's Wet Deck

Play Structure

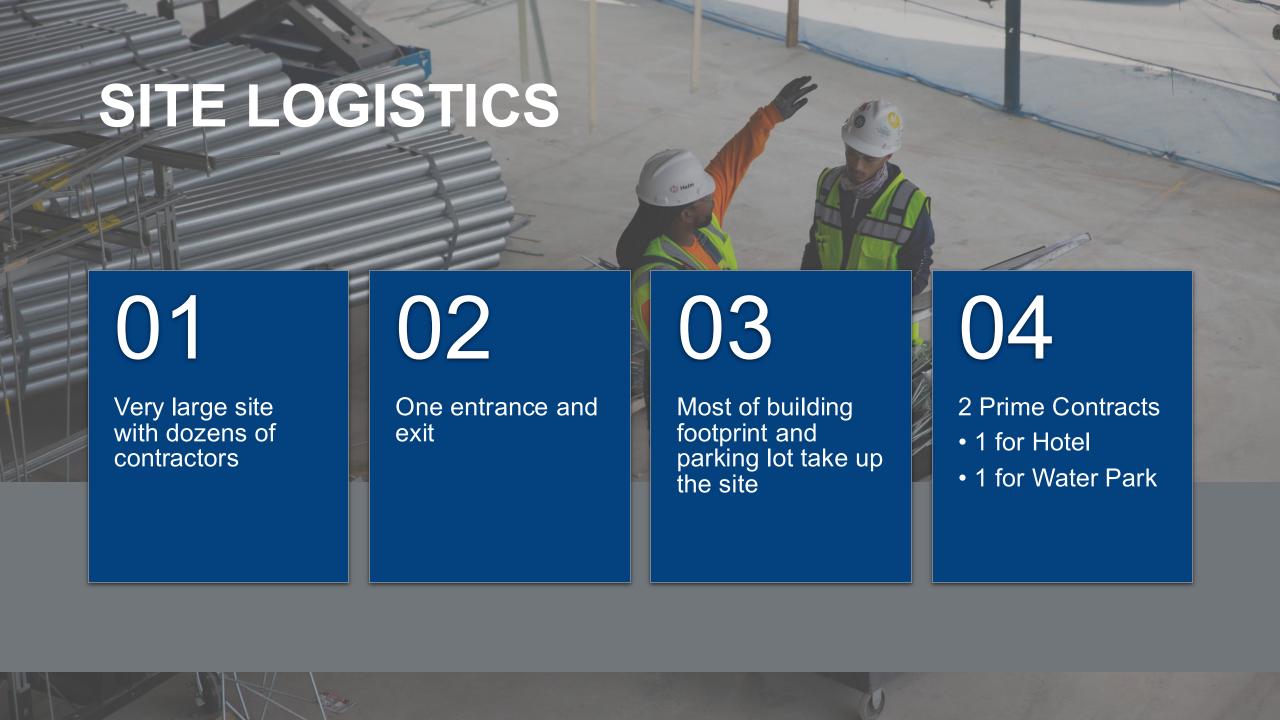
Slide Complex

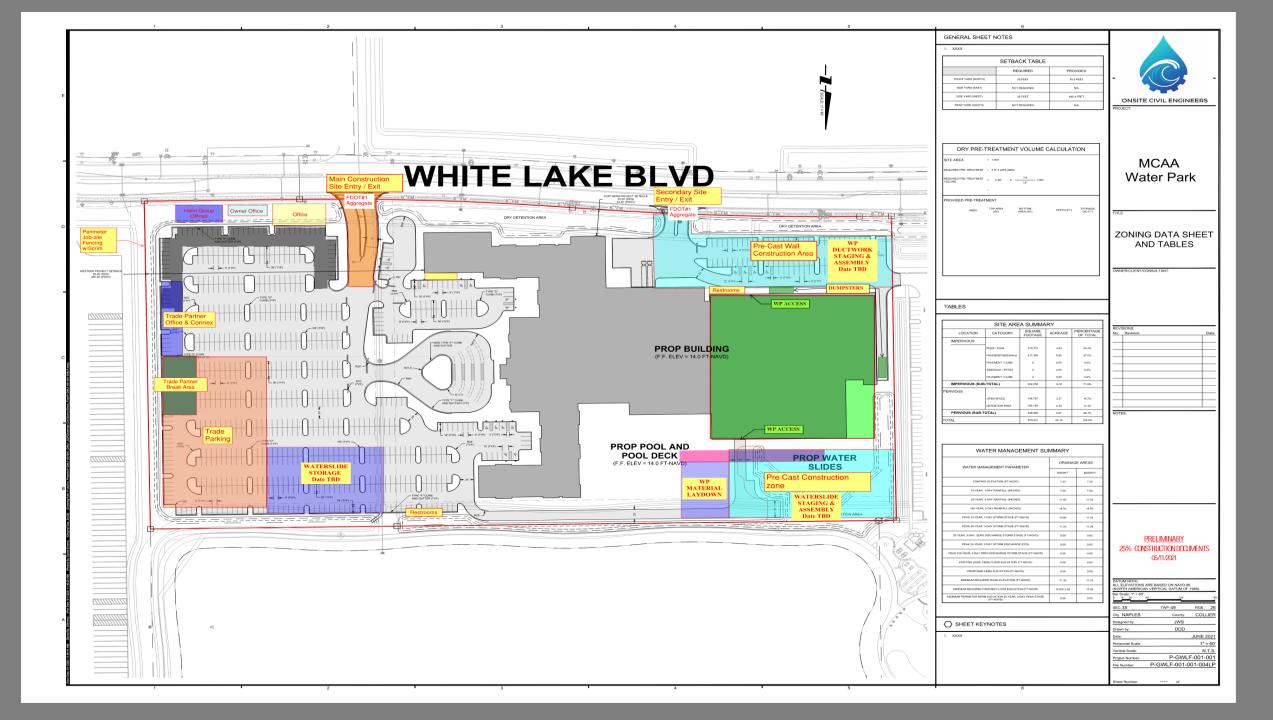
Outdoor Leisure Pool and Outdoor Spa











OWNER PROVIDED EQUIPMENT

Pool equipment on PL400 is provided by the Owner

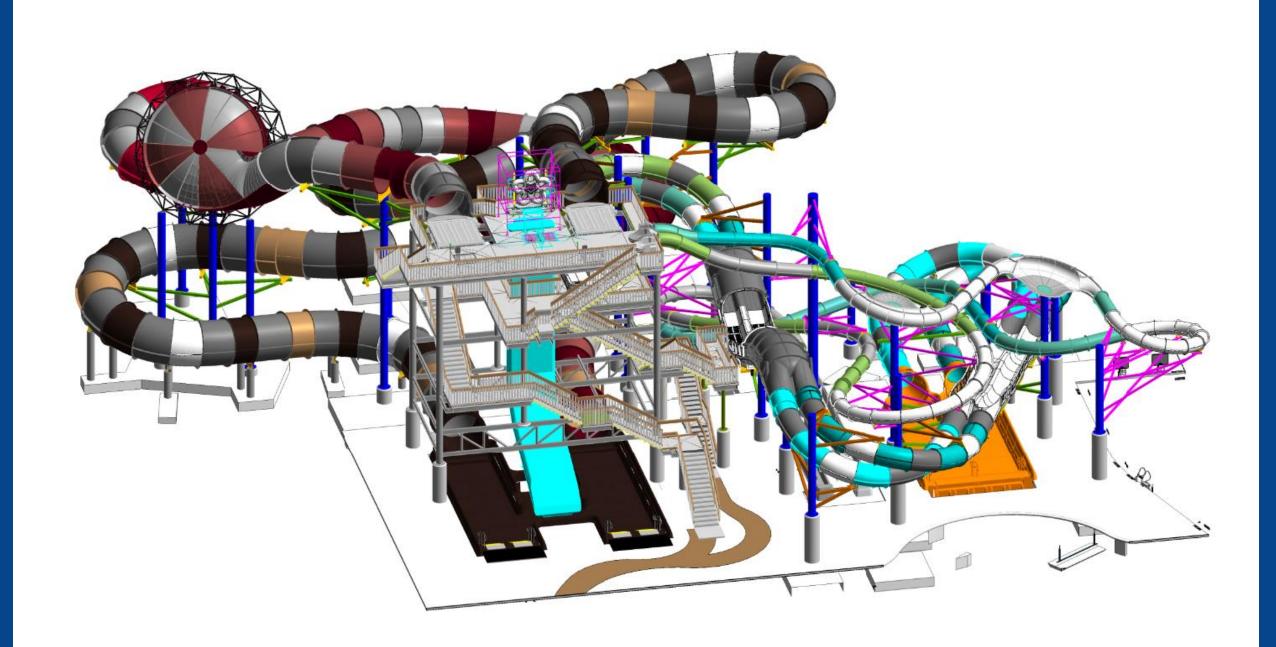
Installed by MCAA student chapter contractor

Labor and equipment to unload, receive, and check in should be considered

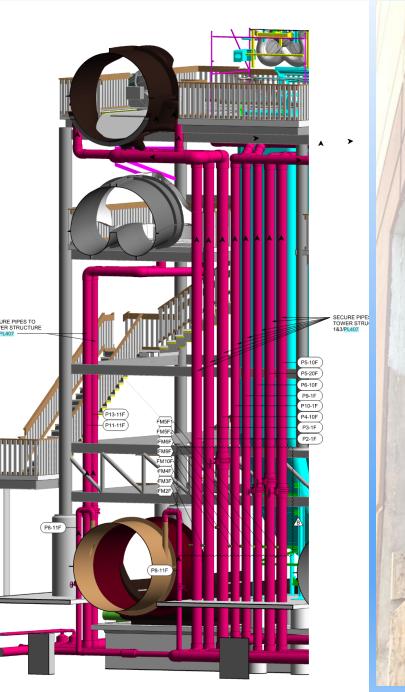
Once received, we own the equipment.

SLIDE TOWER ACCESS

- Slide tower is approx. 60ft tall
- Supply piping running vertical up the tower on backside
- Access to tower is very limited
- Lifts and/or scaffolding are our responsibility

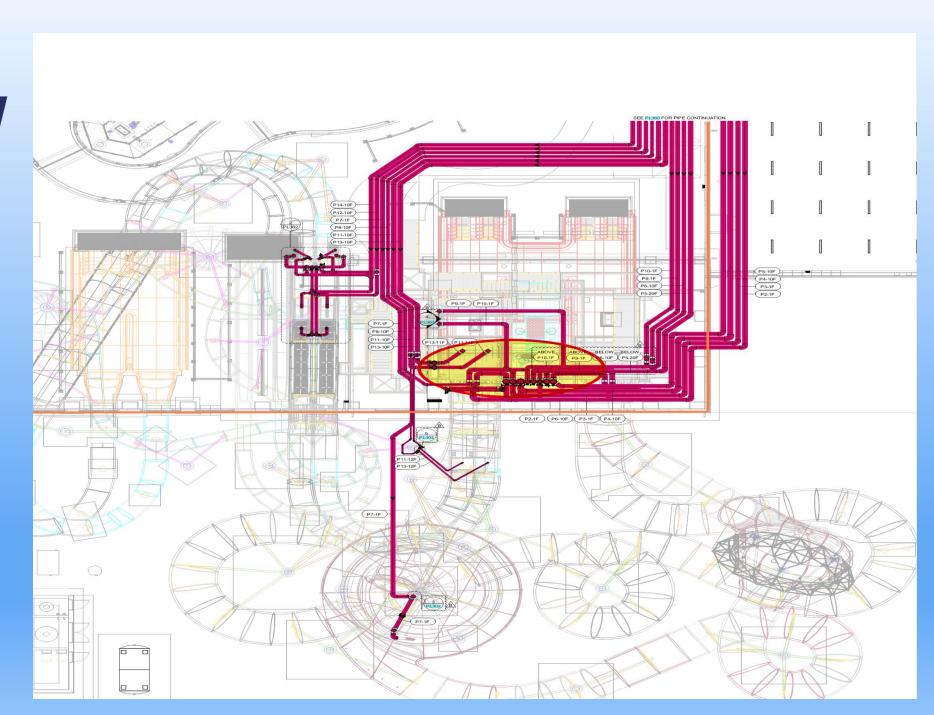


MODEL VS. REALITY





PLAN VIEW







PIPE PRESSURE TESTING

Testing can be completed with air or water.

Water is not always available at project start.

Air testing is completed at lower pressures than water.

Testing is completed by welding on caps to either end of the pipe and installing a test gauge assembly.

Leak test reports are filled out by the foreman including pipe ID #, type of test, test pressure, and signed off by GC/Inspector

PIPE PRESSURE TESTING

Test Assemblies Installed





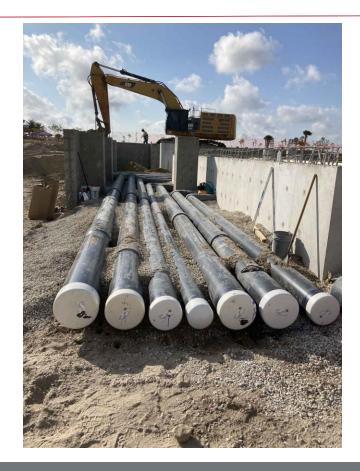
PIPE PRESSURE TESTING



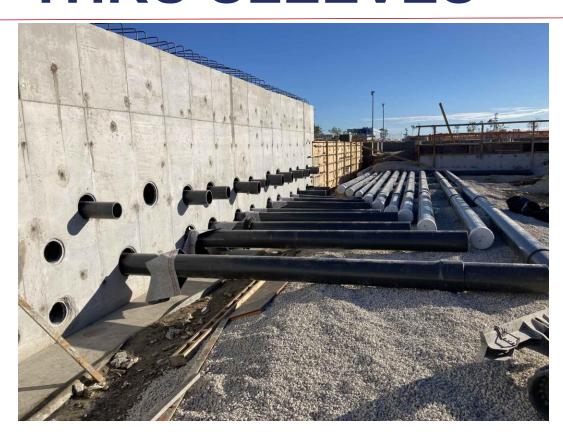


MECHANCIAL ROOM WALL WITH SLEEVES INSTALLED





MECHANICAL ROOM WALL WITH PIPING THRU SLEEVES



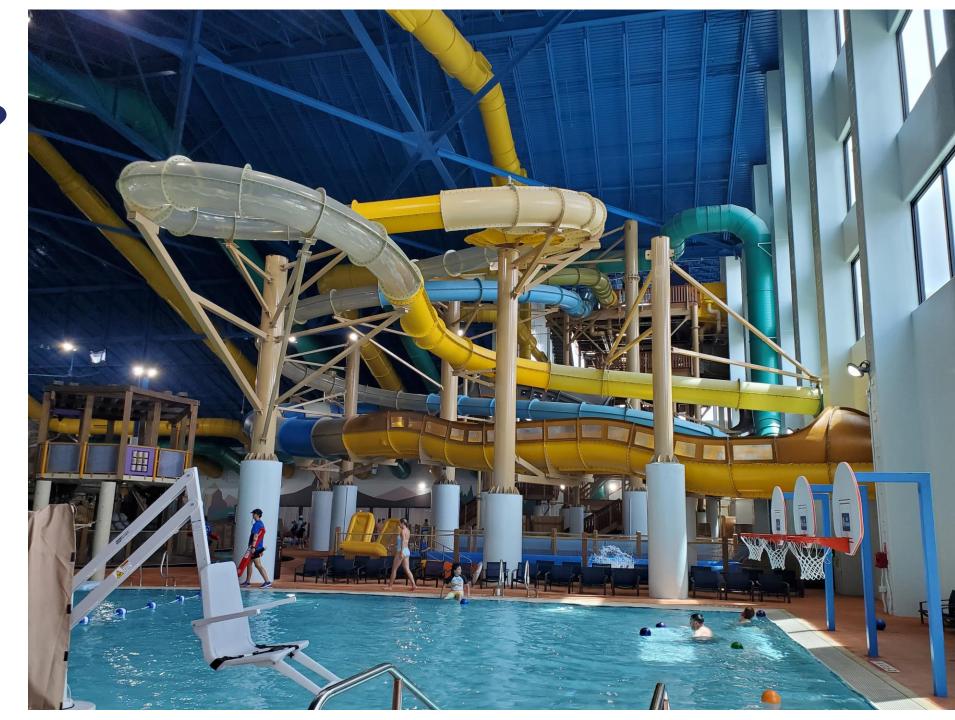


UNDERGROUD PIPING TO SLIDE TOWER





QUESTIONS?



MCaarea Littles Forum 2025