



# Allan Meyers Wastewater Plant

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CPSG230

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## Introduction

This summer I was part of an internship program at Allan Meyers Construction Company as an Intern Field Engineer. For my internship, I worked at their Wilmington Wastewater Plant in Wilmington, DE where I shadowed the project engineer and project manager both on-site and off site. From this I learned to enhance my CAD skills, think about structures in a different light from my major (like mechanics, dynamics, and stability of structures) as well as learn about the industry as a whole.

## Site Information:

Allan Meyers Construction Company

1706 East 12<sup>th</sup> St, Wilmington, DE 19809

Matthew Shapansky

Wilmington Wastewater Treatment Plant

There were multiple projects in motion during my time however, the main two that were being worked on were replacing a major pipeline and updating a primary water clarifier

## Future Work:

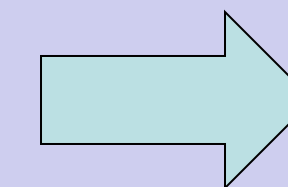
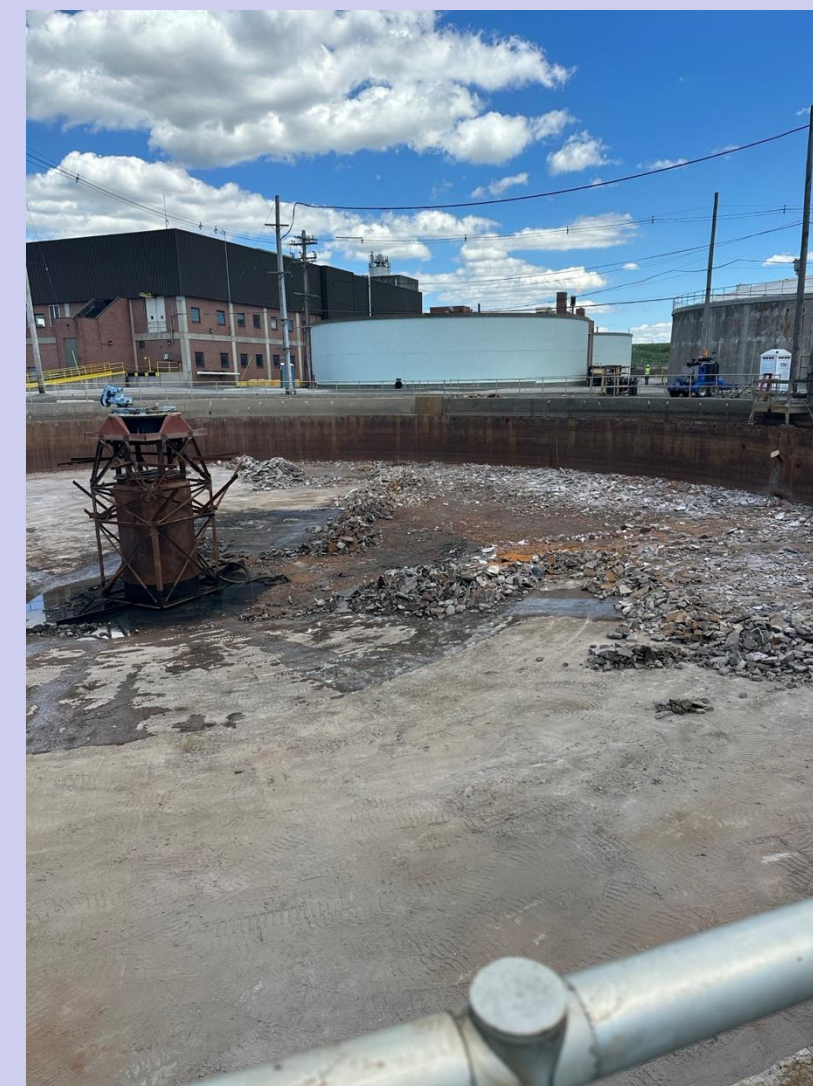
Moving forward, the Wilmington team is looking to take on another job to redo the aeration basins. From talking to my boss, so far it has progressed well but there is still much work to do

## Activities:

During my time interning, I would help on-site by logging the progress of work each day (daily reports), talk with the workers to learn more about the systems they were building, adjusting, or taking apart and why. Additionally, I would work with the project engineer to collect data for future projects, shadow him at meetings, and talk/plan with the contractor company.

## Impact:

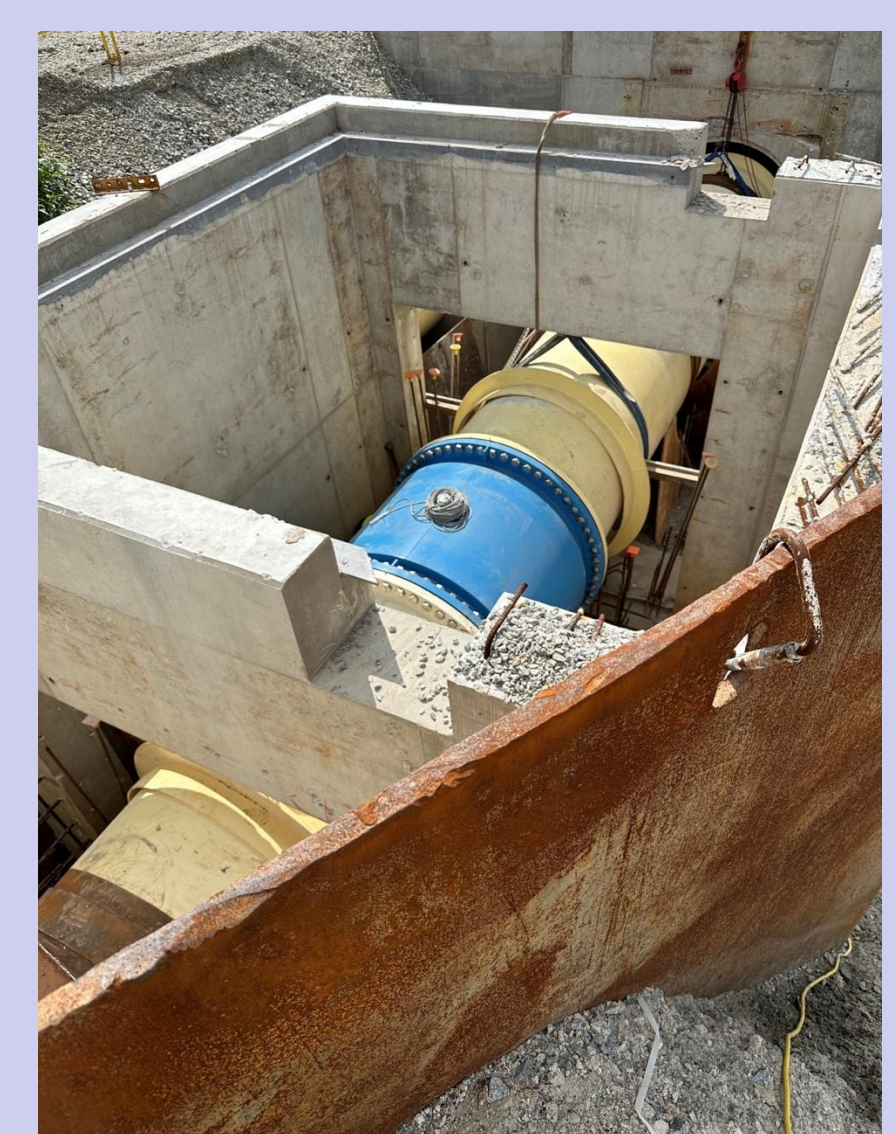
In assisting with tasks and shadowing bigger actions in the company, I was able to gain experience of the industry and connections that are made between companies. Additionally, I gained a more hands-on experience of the curriculum I have been learning in my time at UMD.



Primary clarifier old grout being torn up to installation of mixing arms



Aeration basin before leaving



Progress of pipe removal and installation

## Issues Confronted

Clarifier: In revamping the clarifier, one major roadblock we ran into was the process of regrouting the floor. To regROUT, an entire team was needed so the grout could be spread before it solidified. However, especially being summer, it needed to be kept wet afterward while it dried so there were no cracks in the floor, which proved difficult seeing as the work day is only so long.

Pipe replacement: With the pipe, we found a hard time solving how to install it without overbearing the crane to a risk of tipping. Even cutting the pipe into sections would be too heavy to install without assistance.



## Acknowledgments:

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