

Whiting-Turner Internship Experience



Avery Canna

College Park Scholars – Science & Global Change Program
Environmental Science and Policy
acanna@umd.edu
College Park Scholars Academic Showcase, May 5, 2023

Introduction

During the summer of 2022, I had an internship with Whiting-Turner as a Project Engineer Intern. I got placed at a site in Elkton, Maryland.

Northrop Grumman

Address: Elkton, MD

Supervisor: Dan Maniscalco and Anthony LePere

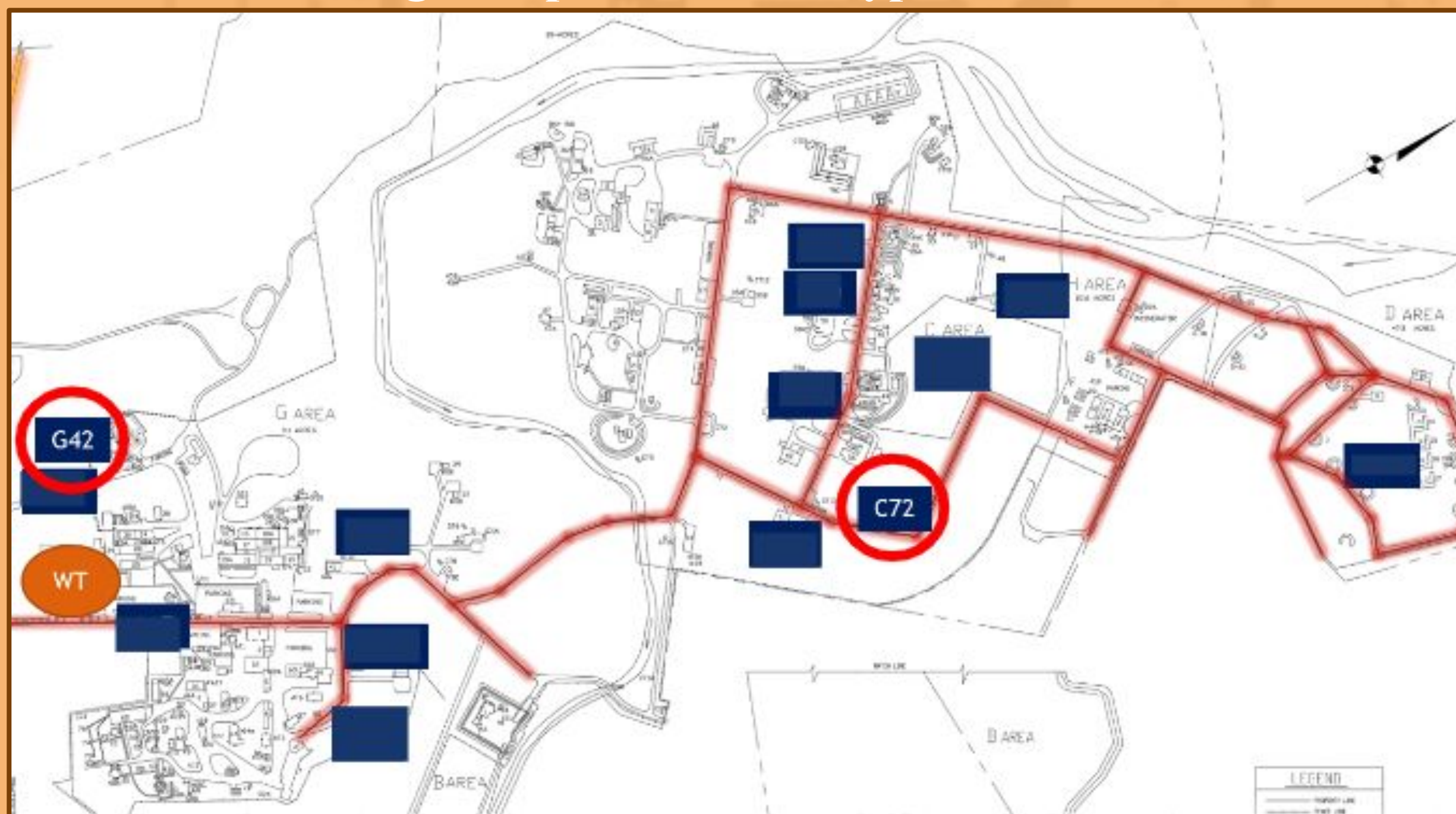
Site Mission: Build facilities to support Northrop Grumman in the design, creation, and testing of supersonic and hypersonic motors

Classified Manufacturing Building

Timeline: August 2021- November 2022

Budget: Classified

Size: 64,342 sq ft



This was my main project
Follows the “lifecycle” of hypersonic weapons
Largest Classified Manufacturing Facility for Missile Defense

Major Responsibilities

Modifications to the floor plans

- If anything needed to be added or taken out

RFI's (Requests for Information)

- Usually asking for clarifications on drawings

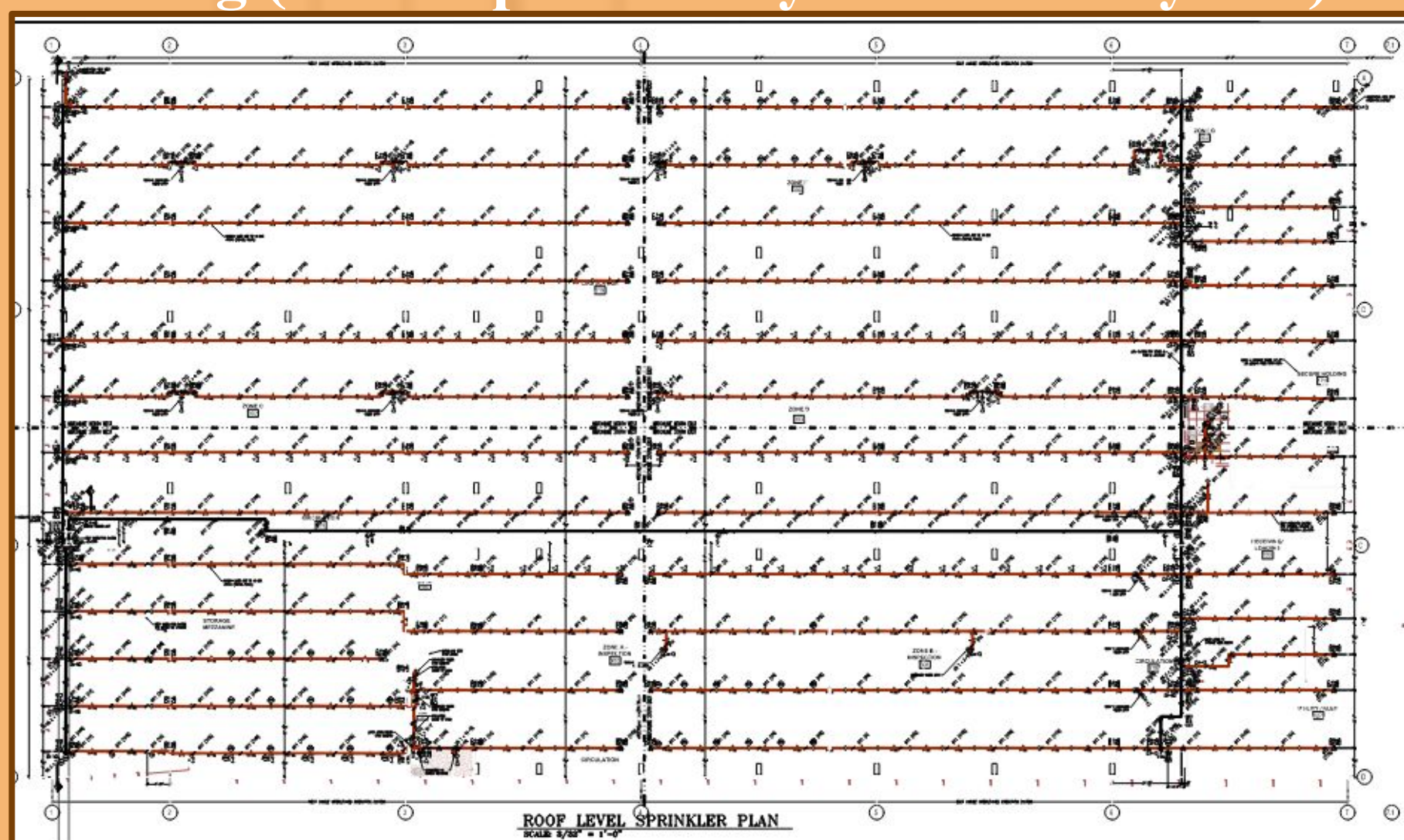
Submittals

- Ensuring the correct materials were being ordered

Communicating with sub contractors

- Doing walkthroughs along with this

Tracking (Fire Suppression System and Drywall)



Final Assembly Building

Timeline: August 2021- November 2022

Budget: Classified

Size: 12,247 sq ft



Follows the “final assembly” of solid rocket boosters

Impact

This experience opened my eyes to a wider realm of engineering. It encouraged me to continue on a career path in this field. It also allowed me to find things that may not be for me.

Future Work

This summer, I will be participating in a Whiting-Turner Internship Experience in their environmental group.

Citations

All photos are from plans, official presentations, and provided documentation.

Acknowledgements

Thank you to my site team for teaching me and helping me grow. Also, thank you to Dr. Holtz and Dr. Merck for working alongside me and influencing my scholars experience



SCIENCE AND GLOBAL CHANGE

