



# P103 Industry Day

## Tuesday, 30 April 2024



## Project Location @ NOTU



# EXISTING SITE AND PROJECT LOCATION



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P-103 Engineering Test Facility, NSA Cape Canaveral FL

30 April 2024

## Existing Site





## SITE OVERVIEW

- DEVELOPMENT OF APPROX. 27 ACRES
- EXISTING GRADE APPROX 8' EL
- APPROX. 130,000 SQ FT
- FFE APPROX 13' EL
- ROADWAY IMPROVEMENTS
- SITE UTILITIES

# ENVIRONMENTAL CONSIDERATIONS

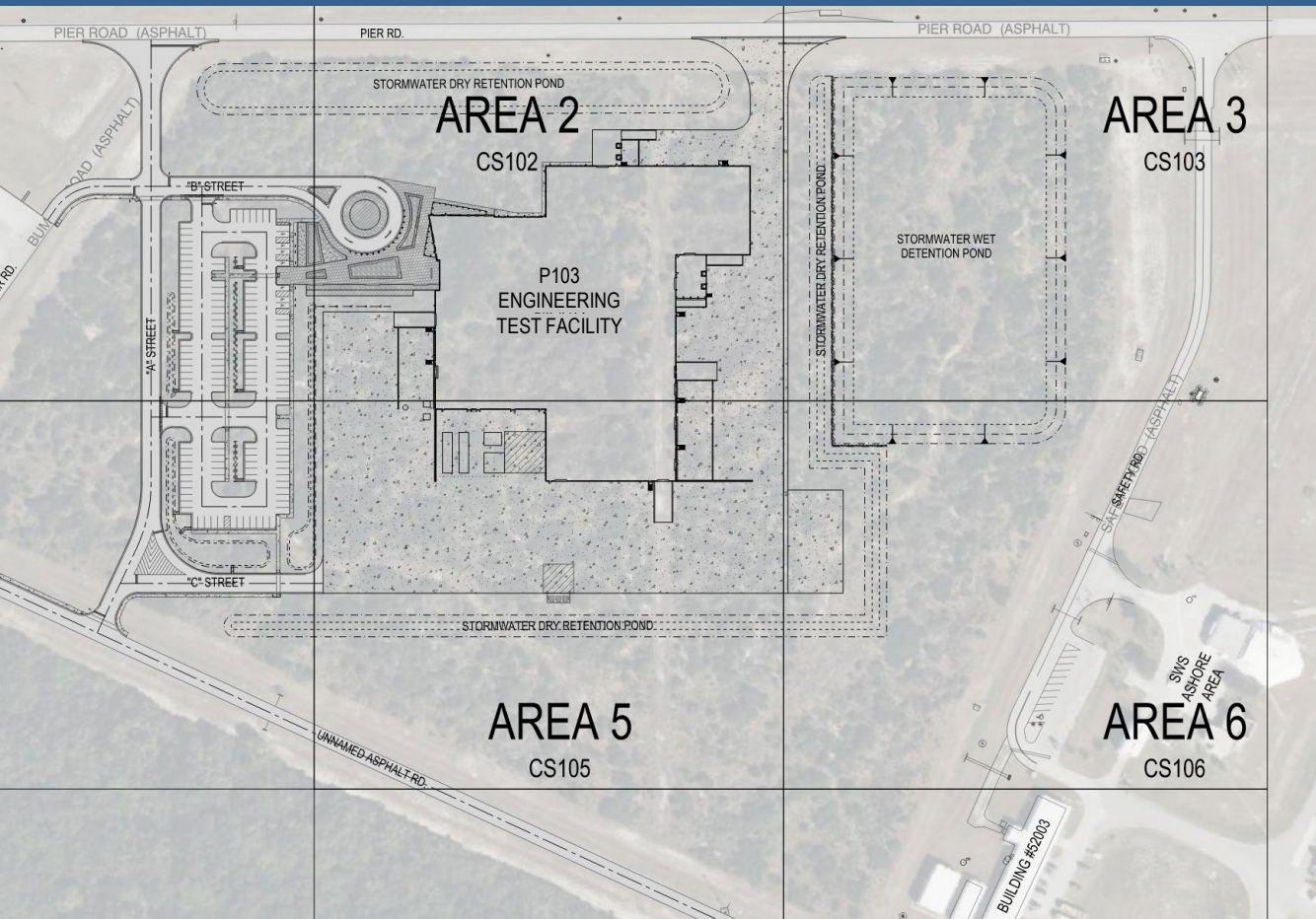


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## SITE OVERVIEW

- WET PONDS, CUT-AND-FILL
- CONCRETE AND ASPHALT PAVEMENTS, MANUEVERING AND STAGING AREAS, PARKING
- RAMPS, RETAINING WALLS
- VEHICLE ACCESS, CIRCULATION
- BUILDING SERVICES EQUIPMENT YARD, VEHICLE CANOPY



## SITE OVERVIEW

- NATIVE LANDSCAPING
- HARDSCAPE WITH PAVERS
- PLANTING SEVERAL TREES
- IRRIGATION SYSTEM

# FACILITY OVERVIEW



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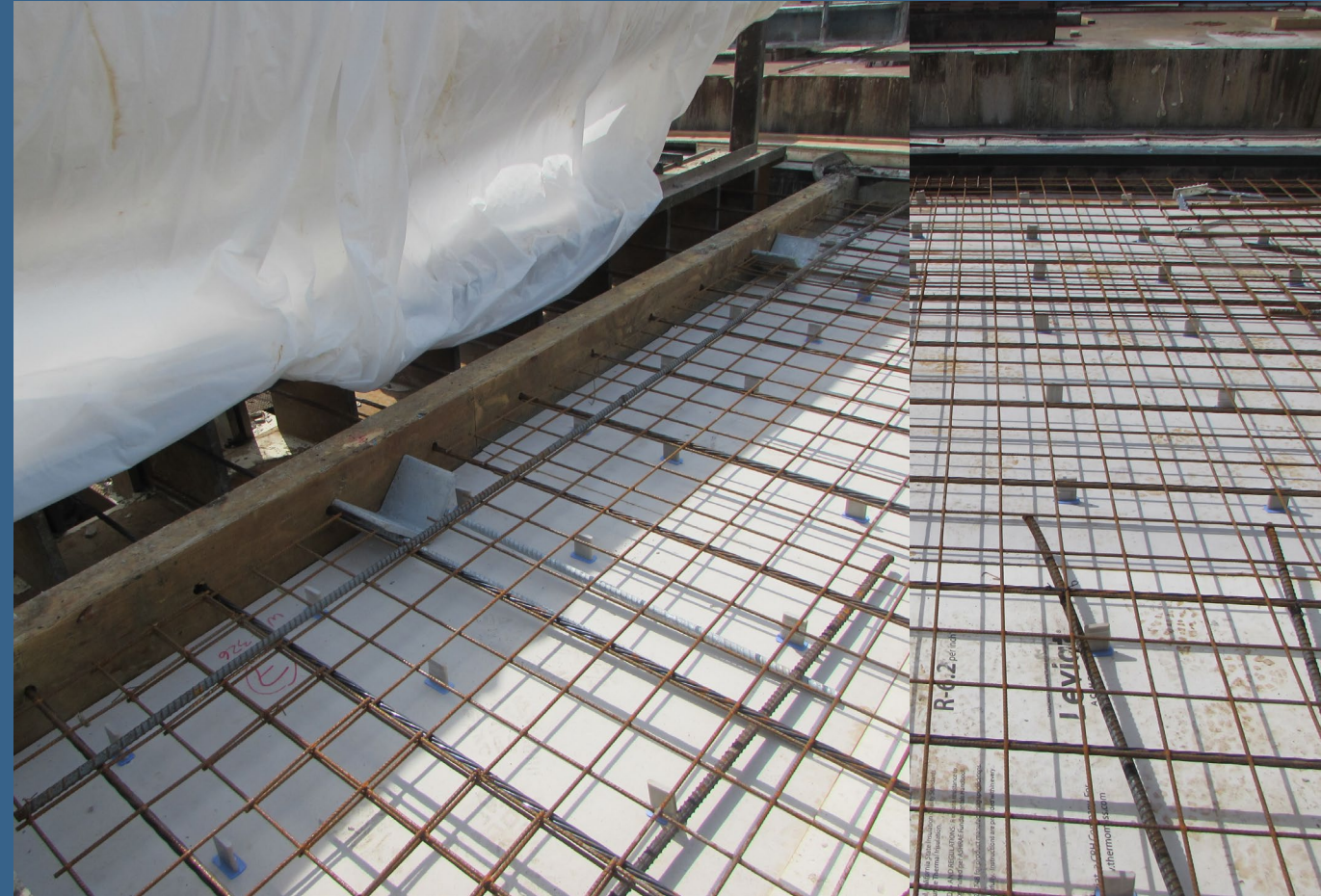
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## STRUCTURAL SYSTEM, BUILDING ENVELOPE

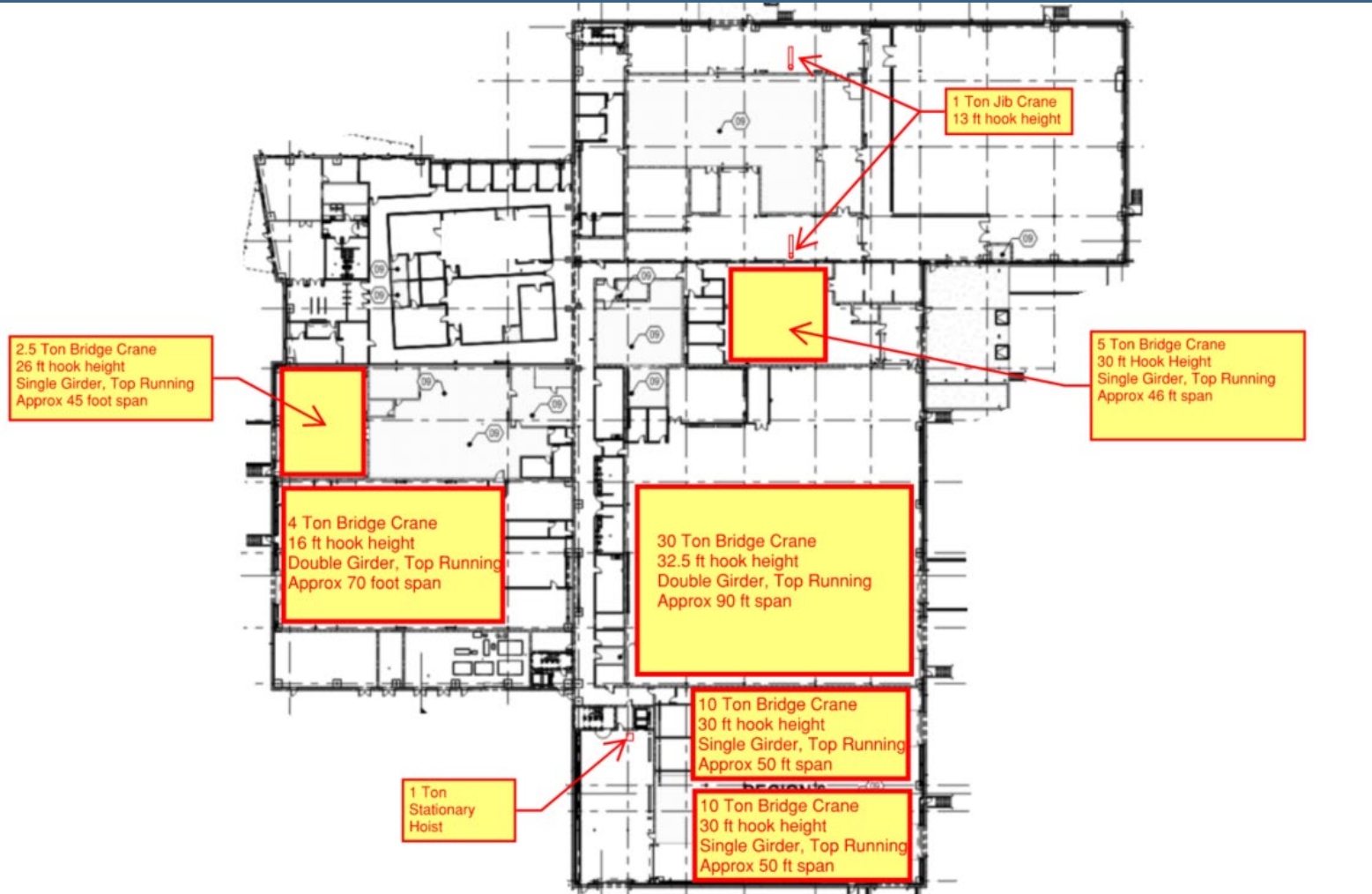
- PRECAST PANEL EXTERIOR
- STEEL REINFORCED CONCRETE MAT, SPREAD AND STEMWALL FOOTINGS
- STRUCTURAL STEEL FRAME – LONG SPANS
- RAISED ACCESS FLOORING OVER DEPRESSED SLAB-ON-GRADE
- LOADING DOCKS
- SPECIALIZED AREAS AND UNIQUE CONSTRUCTION TOLERANCES
- METAL CANOPIES AND MEMBRANE ROOFING SYSTEMS





## FACILITY OVERVIEW

- HIGH BAYS W/ BRIDGE CRANES (UP TO 30 TON)
- OPEN WORK AREAS WITH JIB CRANES AND HOISTS
- SPECIAL CONCRETE FINISHES
- SUPER FLAT FLOORS FOR PNEUMATIC SKID OPERATION
- FIRE PROTECTION, FIRE ALARM SYSTEMS
- BUILDING LEVEL COMPRESSED AIR SYSTEM
- HUMIDITY AND TEMPERATURE CONTROL
- MECHANICAL EQUIPMENT MEZZANINE
- ELECTRIC LIGHTING
- OFFICE SUPPORT SPACES, BREAK ROOMS
- FURNISHINGS, FIXTURES, AND EQUIPMENT



## WEIGHT-HANDLING EQUIPMENT

- ALL CRANES TO MEET NAVY REQUIREMENTS AND WILL REQUIRE CERTIFICATION OBSERVED BY THE NAVY CRANE CENTER.
- GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE DESIGN, PROCUREMENT AND INSTALLATION OF CRANES BASED ON THE PROJECT DRAWINGS AND SPECIFICATIONS.
- ALL CRANES PENDANT OPERATED WITH VFD CONTROLS
- 6 BRIDGE CRANES TOTAL
  - (1) 30 TON, (2) 10 TON, (1) 5 TON, (1) 4 TON, (1) 2.5 TON
- (2) 1 TON JIB CRANES AND (1) 1 TON STATIONARY HOIST

# VARIETY OF BUILDING TRADES, SERVICES



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- FIBER-REINFORCED LIGHTWEIGHT CONCRETE DECKS
- STEEL DECKING
- CONCRETE MASONRY UNIT PARTITIONS
- COLD-FORMED METAL FRAMING, GYPSUM BOARD PARTITIONS
- CASEWORK CABINETS AND COUNTERS
- ALUMINUM ARCHITECTURAL SPECIALTIES
- STAIRS AND RAILINGS
- STOREFRONT, WINDOWS, LOUVERS
- OVERHEAD COILING DOORS, PERSONNEL DOORS AND HARDWARE
- SUSPENDED ACOUSTIC CEILINGS
- INTERIOR FINISHES
- PAINTING, COATINGS FOR STEEL
- TOILET COMPARTMENTS
- ELECTRIC-TRACTION ELEVATORS
- PLUMBING FIXTURES
- MECHANICAL COOLING TOWERS
- ELECTRICAL STANDBY GENERATORS
- LIGHTNING PROTECTION
- BUILDING LEVEL COMPRESSED AIR SYSTEM
- AUDIO-VISUAL EQUIPMENT



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Naval Facilities Engineering Command



# P103 AE PRESENTATION COMPLETE

## THANK YOU!

