



US Army Corps
of Engineers.

AGENDA

0700-0800 ARRIVE AND SET UP

0800-1100 PRESENTATION

CAPE OVERVIEW

PROJECTS OVERVIEW

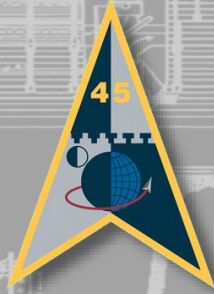
SCENARIO #1 FULL DESIGN

SCENARIO #2 INNOVATIVE CONTRACTING APPROACH

1100-1200 NETWORKING



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INDUSTRY DAY



**SPACEPORTS
OF
THE FUTURE
INFRASTRUCTURE**

JULY 30, 2026





PROGRAM SCOPE & DELIVERABLES

- The U.S. Space Force's Range of the Future 2028 Strategic Intent identified the requirement to increase launch posture over the next 10 years. Infrastructure must be improved to meet this new requirement.
- **Primary Goals:**
 - Range must be able to support launching EVERY day.
 - Range must be able to support multiple launches per day.
 - Range must eliminate all critical day restrictions.
 - Establish infrastructure redundancy and resiliency.
 - Reduce personnel impacts associated with launch and landing activities.



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RELOCATING NON-LAUNCH MISSIONS





FY27 PROGRAM

Project Number	Title	Prg Amt
DBEH033000	Launch Support Facility	\$84,000,000
DBEH033001	Command Facility	\$85,000,000
DBEH227755	Security Forces Operations Facility	\$48,000,000
DBEH227784	LRS Vehicle Maintenance Facility	\$75,000,000
DBEH227756	Base Support Warehouse	\$51,000,000
DBEH227786	Communications Plant Warehouse	\$41,000,000



FY28 PROGRAM

Project Number	Title	Prg Amt
DBEH227761	Redundant Power Along ICBM Road	\$22,300,000
DBEH227764	Widen ICBM Road	\$55,000,000
DBEH227773	Base Support Complex	\$46,500,000
DBEH227778	Consolidated Munitions Storage	\$212,000,000
DBEH251705	Communications Duct Bank	\$46,000,000



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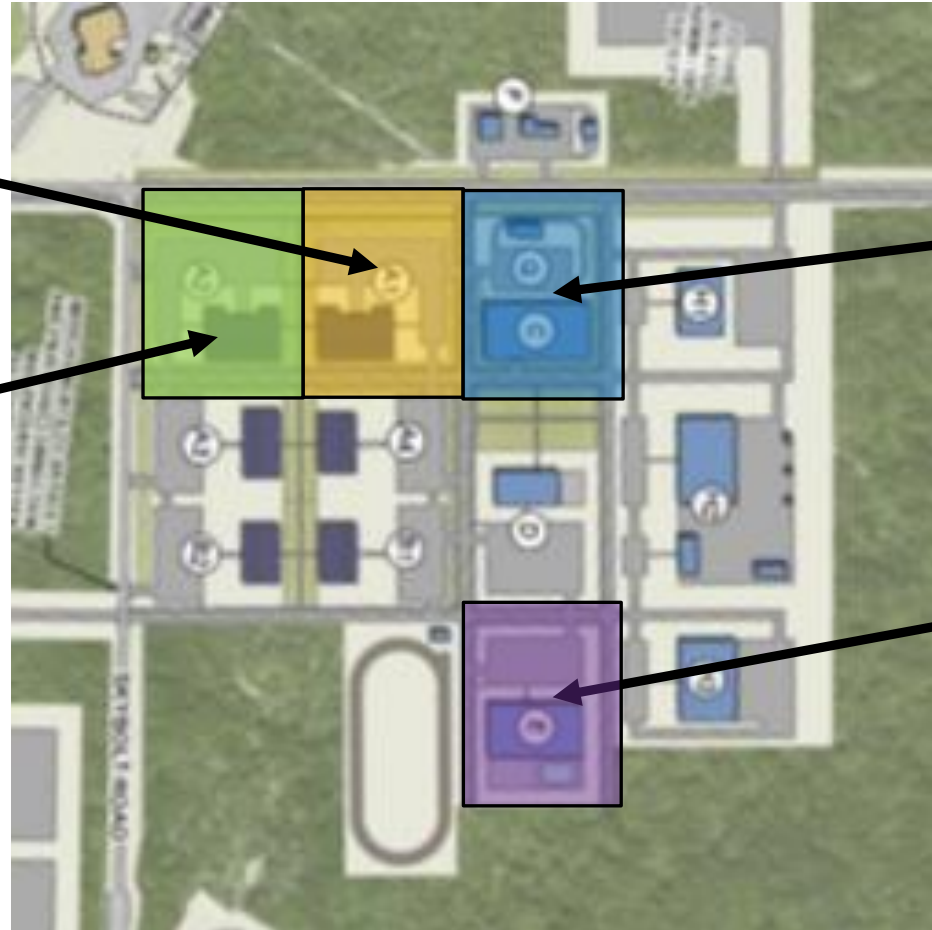
MISSION SUPPORT DISTRICT (CAMPUS)

COMMAND
FACILITY

LAUNCH
SUPPORT
FACILITY

SECURITY
FORCES
OPERATIONS
FACILITY

LRS VEHICLE
MAINTENANCE
FACILITY

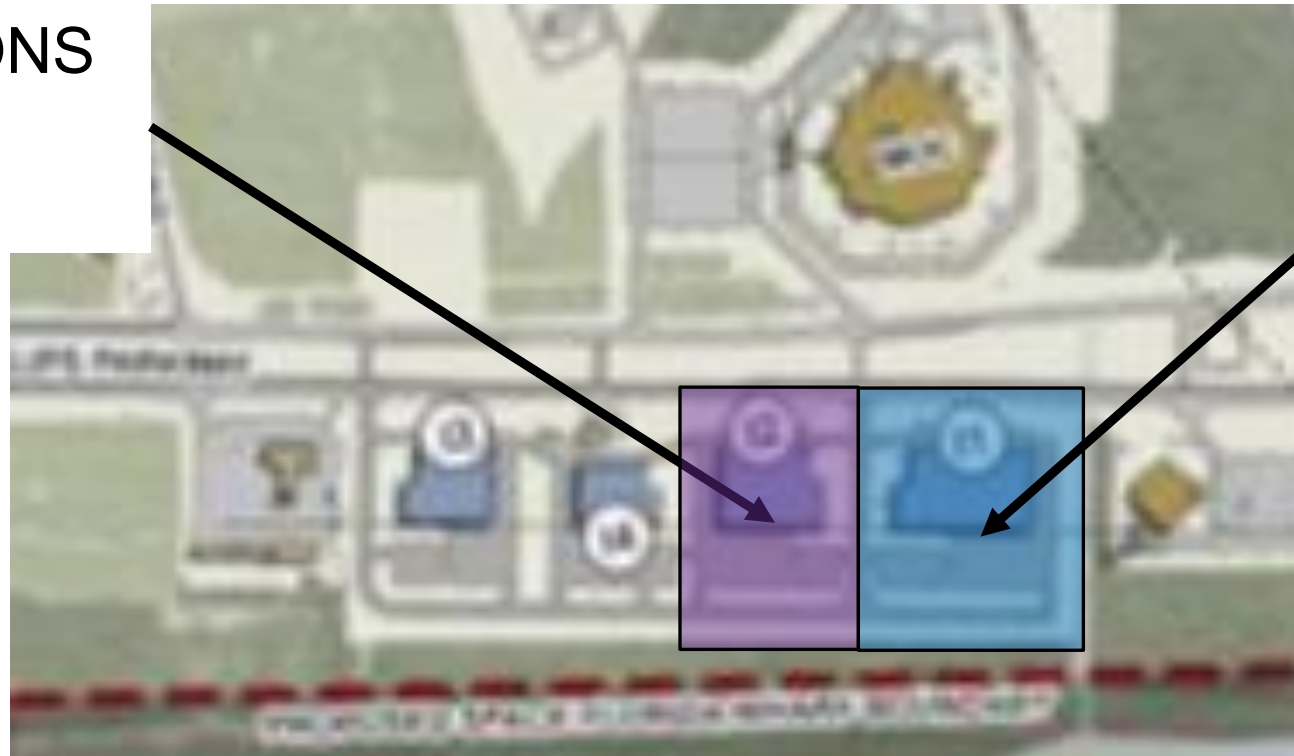




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WAREHOUSE DISTRICT

COMMUNICATIONS
PLANT
WAREHOUSE



BASE
SUPPORT
WAREHOUSE



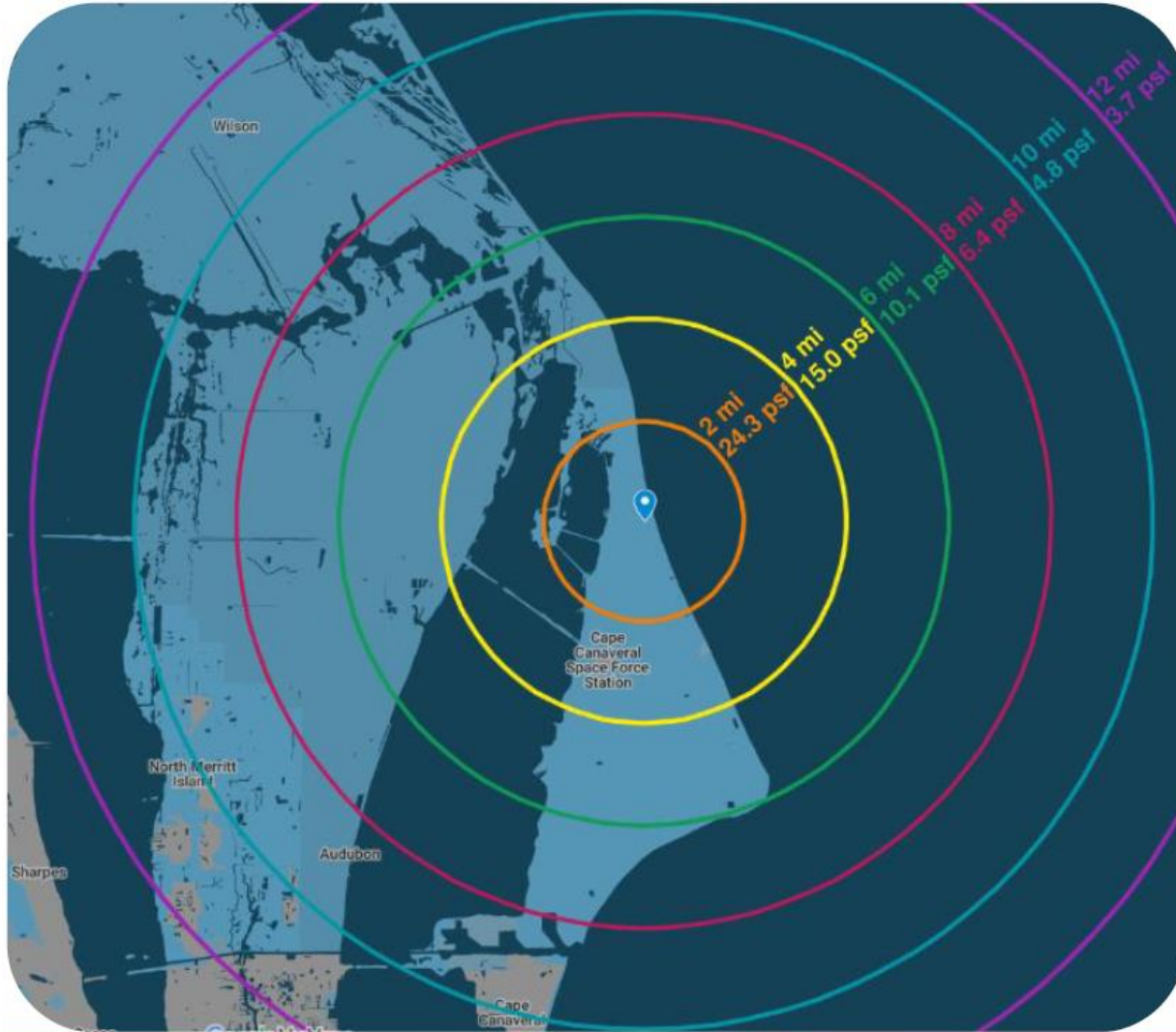
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SONIC BOOM OVERPRESSURE CONCERNS



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of Engineers.**

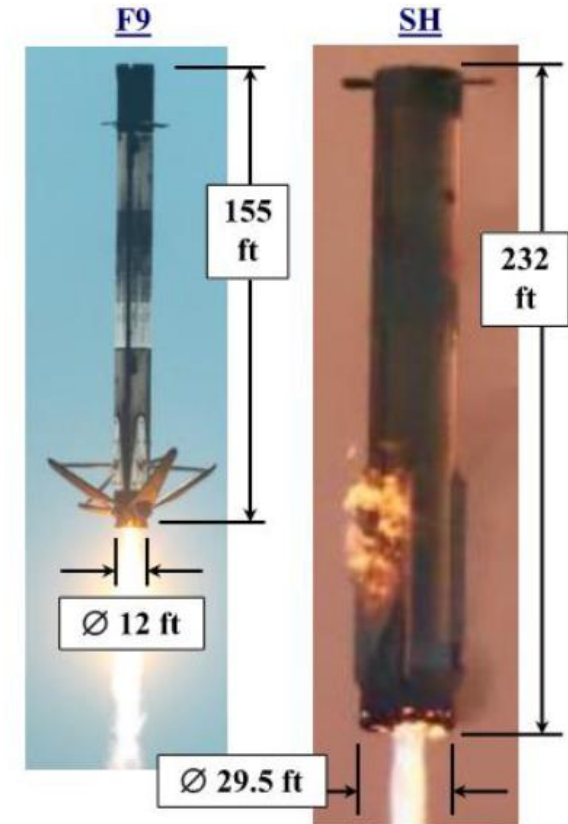
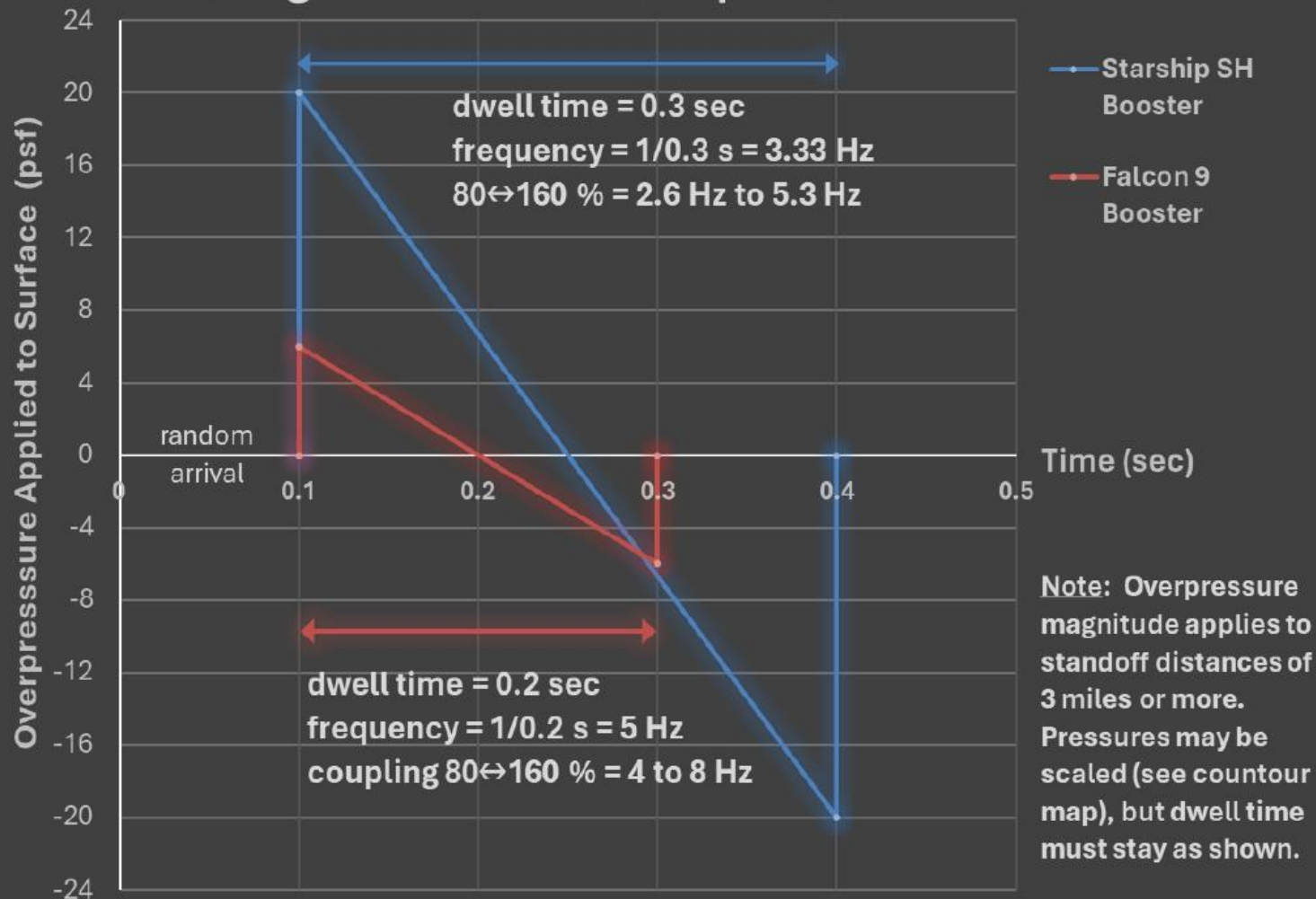
10



Source: Contour map generated based on predicted Starship Booster Sonic Booms by SE Corp., via NASA TR-1122 Method, matches Flight 5 (Oct '24) measured data at Boca Chica, TX.



Design Sonic Boom Overpressures



F9 = Falcon 9 referring to the booster of that SpaceX space-launch vehicle
SH = Super Heavy; the Booster of the SpaceX's Starship Super Heavy prototype configuration.



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MISSION SUPPORT DISTRICT (CAMPUS)



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LAUNCH SUPPORT AND COMMAND FACILITIES



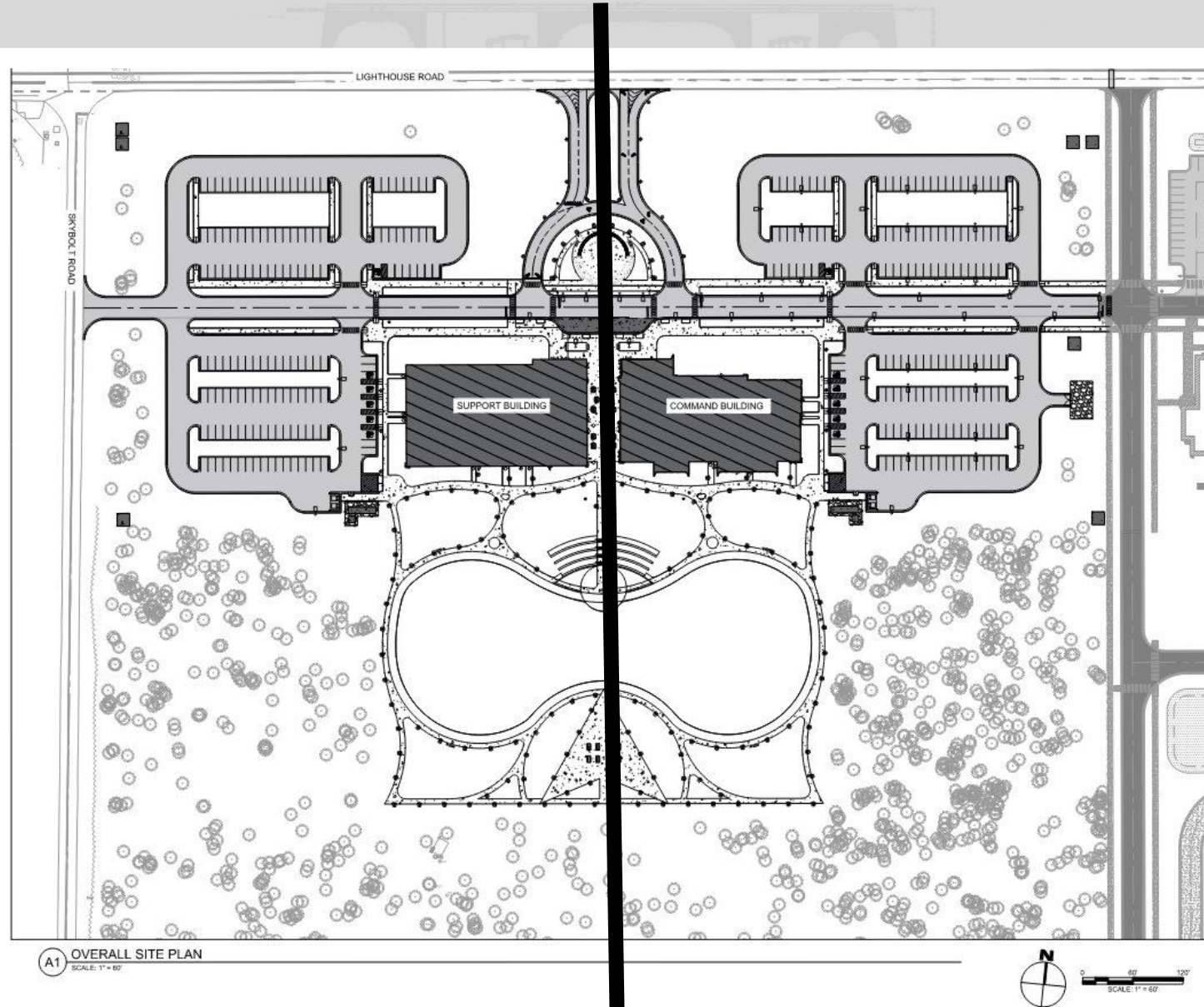
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OVERALL SITE PLAN



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of Engineers.

LAUNCH
SUPPORT
FACILITY



COMMAND
FACILITY



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OVERALL VIEW FROM NORTH PROMENADE



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OVERALL FACILITY FROM SOUTH COMMONS



OVERALL VIEW FROM SOUTH COMMONS



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SUPPORT BUILDING MAIN ENTRANCE (FROM NORTHEAST)

exp.federal NTS
ENGINEERING TECHNOLOGY SOLUTIONS LLC

LAUNCH SUPPORT MAIN ENTRANCE



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of Engineers.**



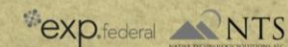
LAUNCH SUPPORT FROM NORTHWEST



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of Engineers.**



SUPPORT BUILDING FROM SOUTHWEST



LAUNCH SUPPORT FROM SOUTHWEST



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LAUNCH SUPPORT 1ST FLOOR



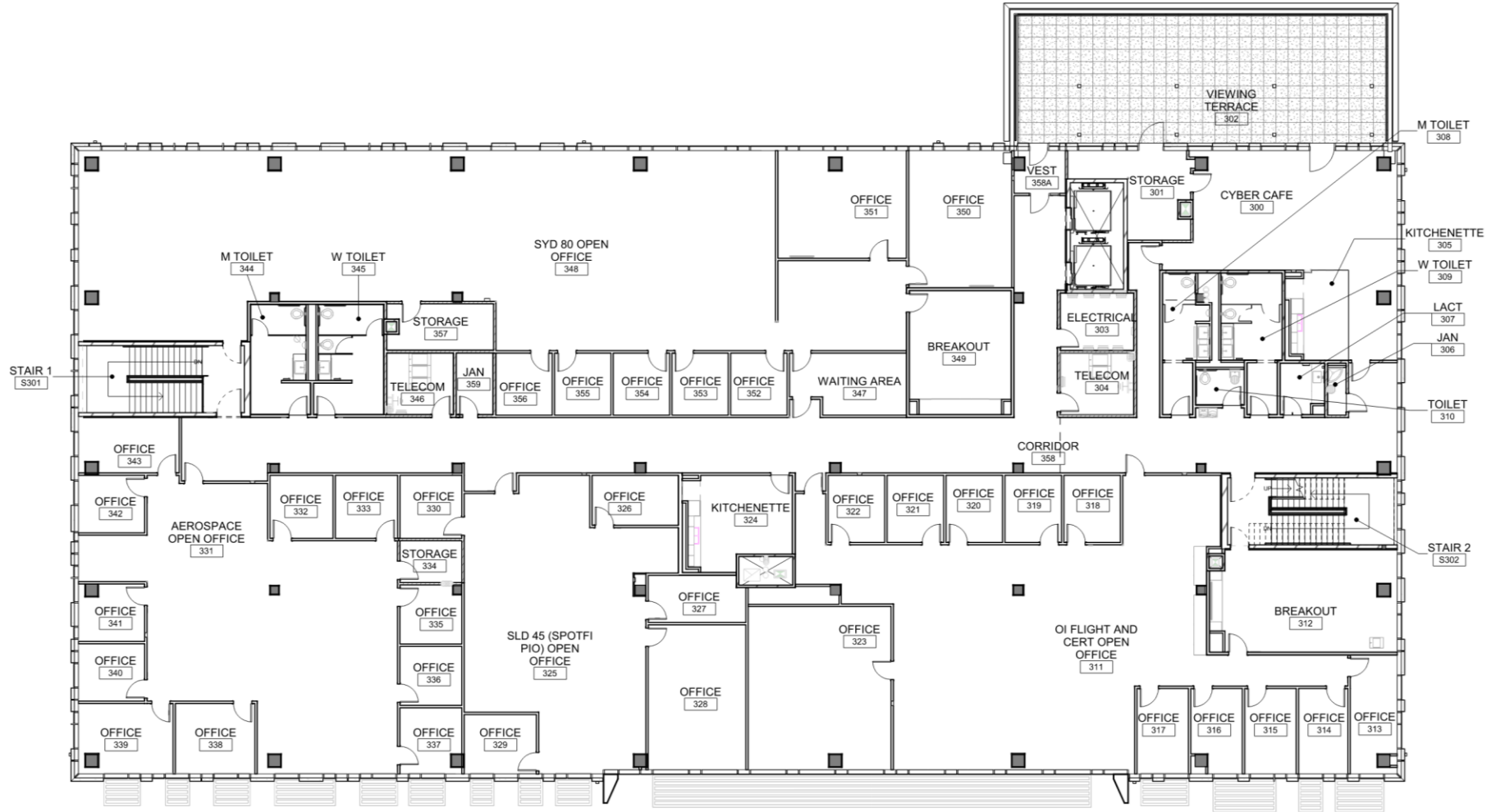
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LAUNCH SUPPORT 2ND FLOOR



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LAUNCH SUPPORT 3RD FLOOR



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COMMAND BUILDING MAIN ENTRANCE



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COMMAND BUILDING FROM NORTHEAST



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COMMAND BUILDING FROM SOUTHEAST



COMMAND BUILDING FROM SOUTHEAST



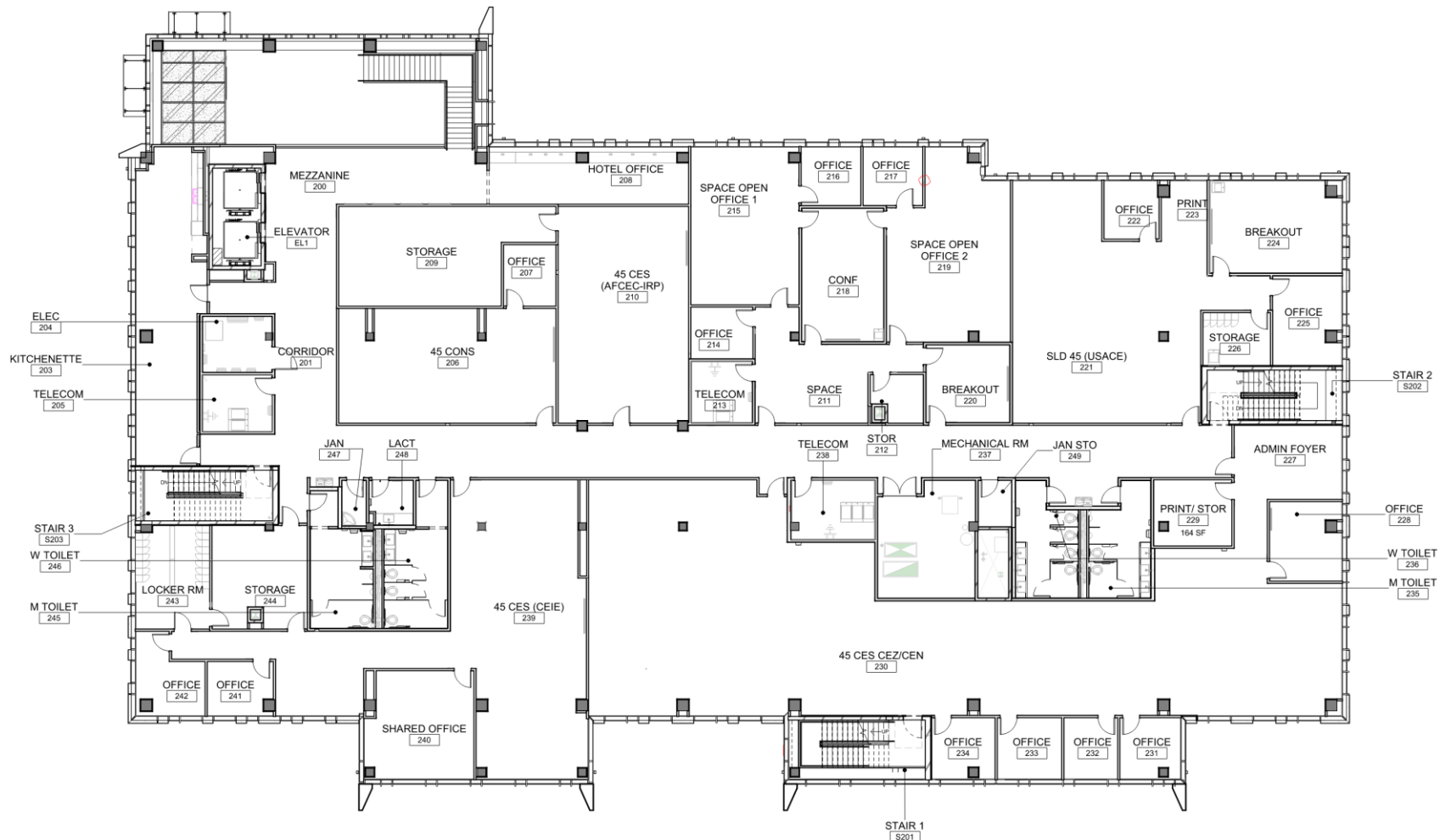
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COMMAND 1ST FLOOR



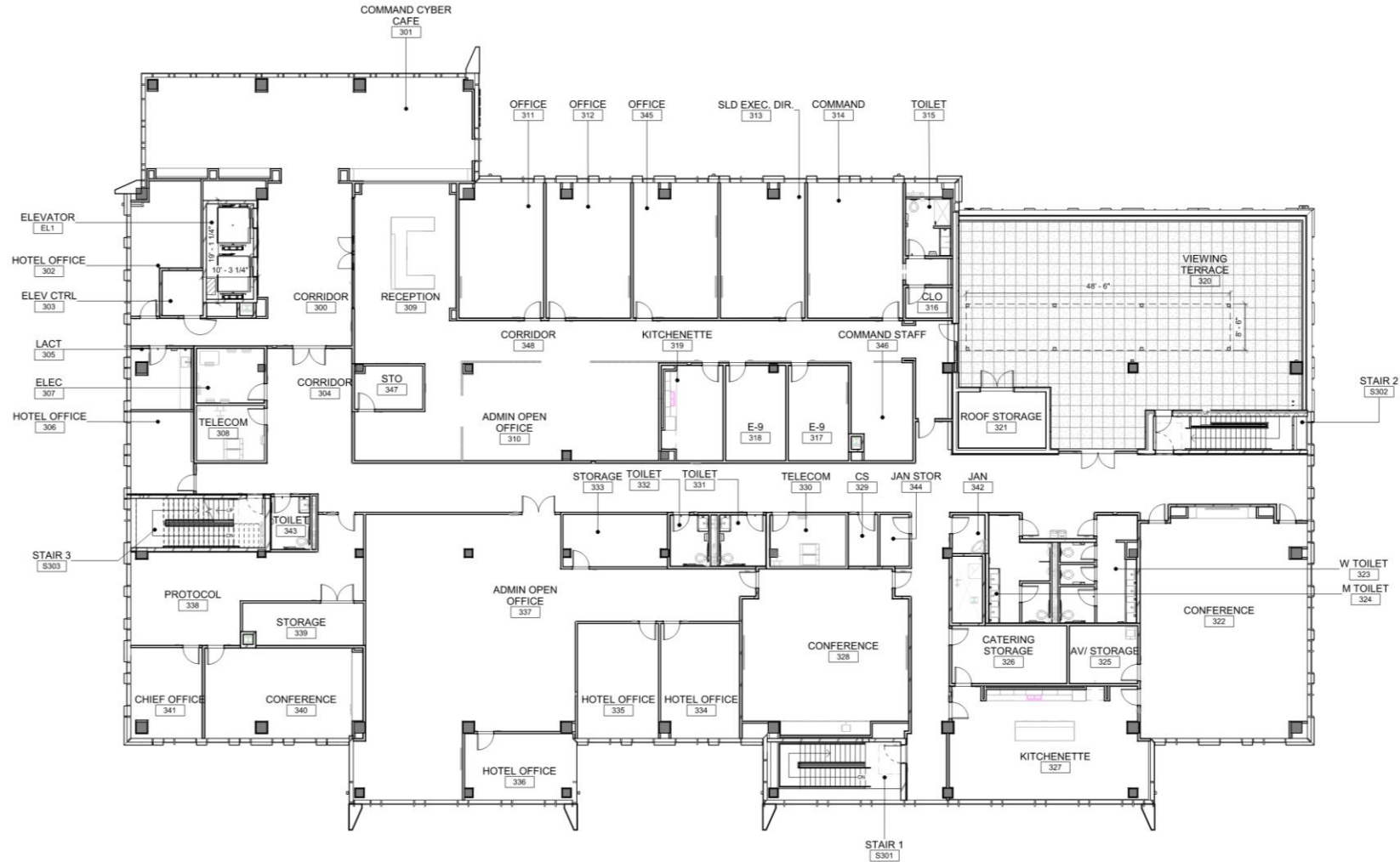
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COMMAND 2ND FLOOR



US Army Corps
of Engineers.

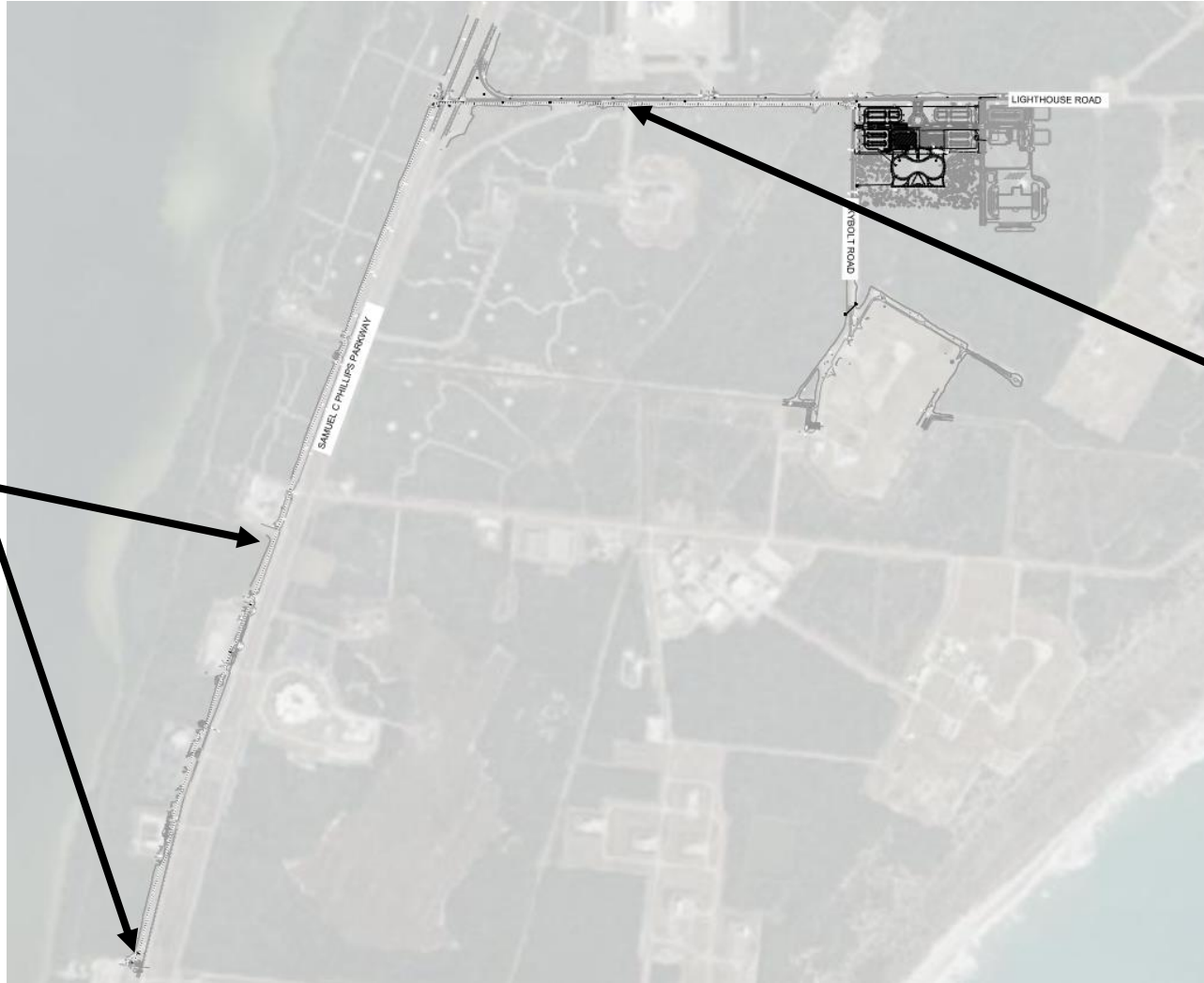


COMMAND 3RD FLOOR



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**NEW
ELECTRICAL
LINE TIE IN TO
EXISTING
SUBSTATION**



**NEW SANITARY
FORCEMAIN TIE
INTO EXISTING
LIFT STATION**

INFRASTRUCTURE IMPROVEMENTS



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**SECURITY FORCES OPERATIONS AND
LRS VEHICLE MAINTENANCE FACILITIES**



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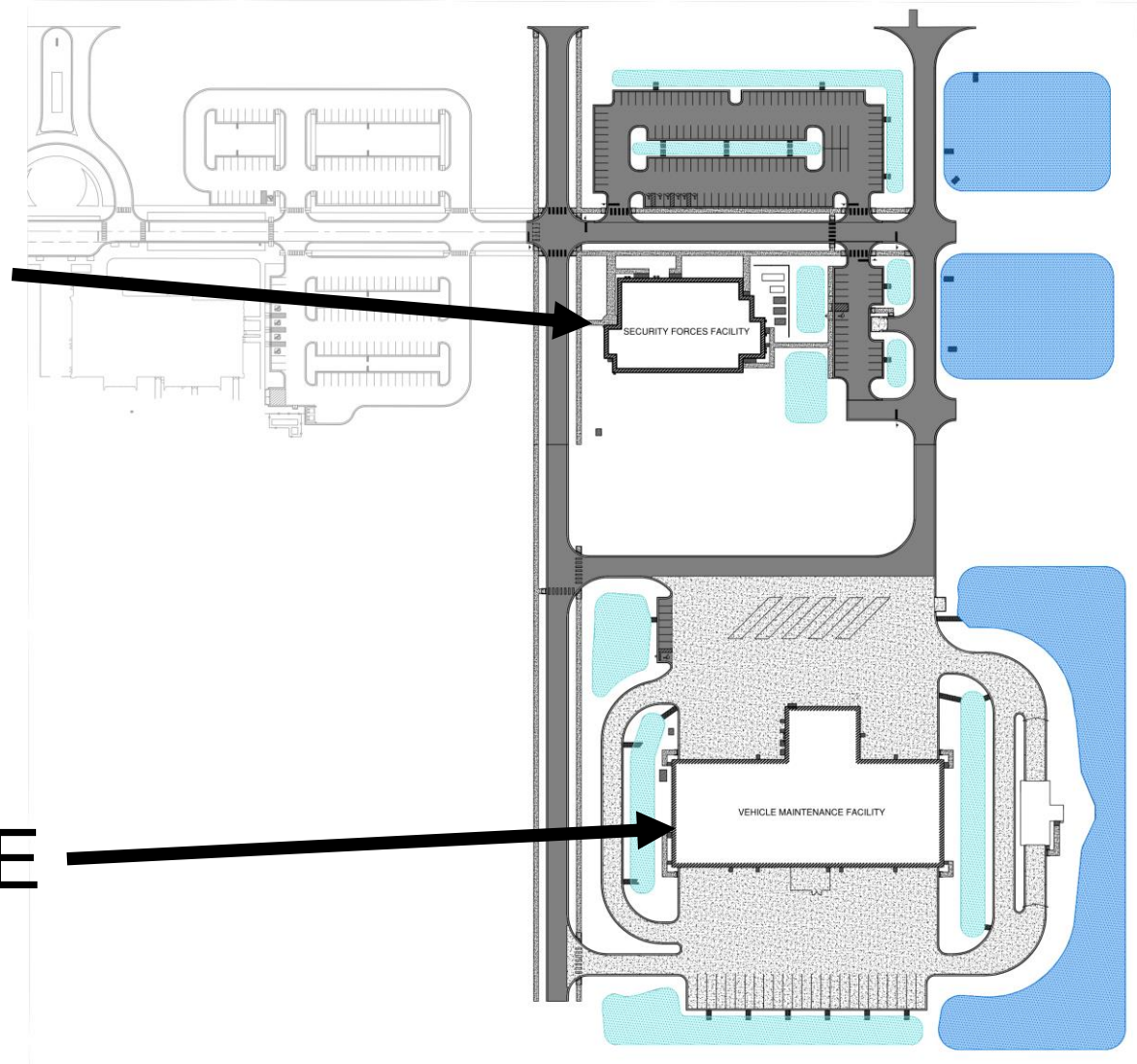
OVERALL SITE PLAN



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SECURITY
FORCES
OPERATIONS
FACILITY

LRS VEHICLE
MAINTENANCE
FACILITY



	ASPHALT PAVEMENT - HEAVY DUTY
	CONCRETE PAVEMENT
	STORMWATER MANAGEMENT BASIN (DRY)
	STORMWATER MANAGEMENT BASIN (WET)



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SECURITY FORCES MAIN ENTRANCE



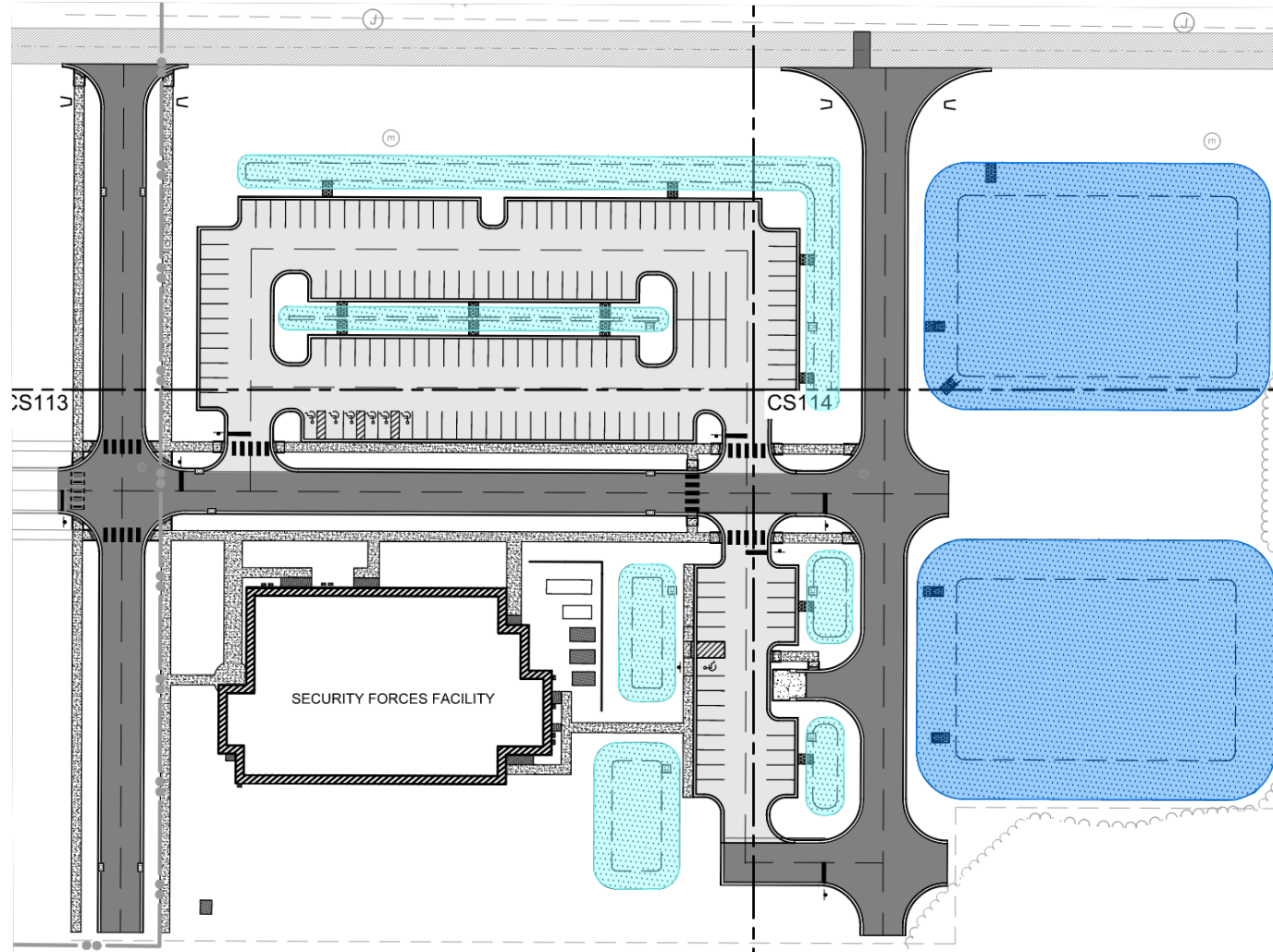
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SECURITY FORCES FROM SOUTHEAST



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- ASPHALT PAVEMENT - HEAVY DUTY
- ASPHALT PAVEMENT - LIGHT DUTY
- STORMWATER MANAGEMENT BASIN (DRY)
- STORMWATER MANAGEMENT BASIN (WET)

SECURITY FORCES SITE PLAN





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LRS VEHICLE MAINTENANCE MAIN ENTRANCE



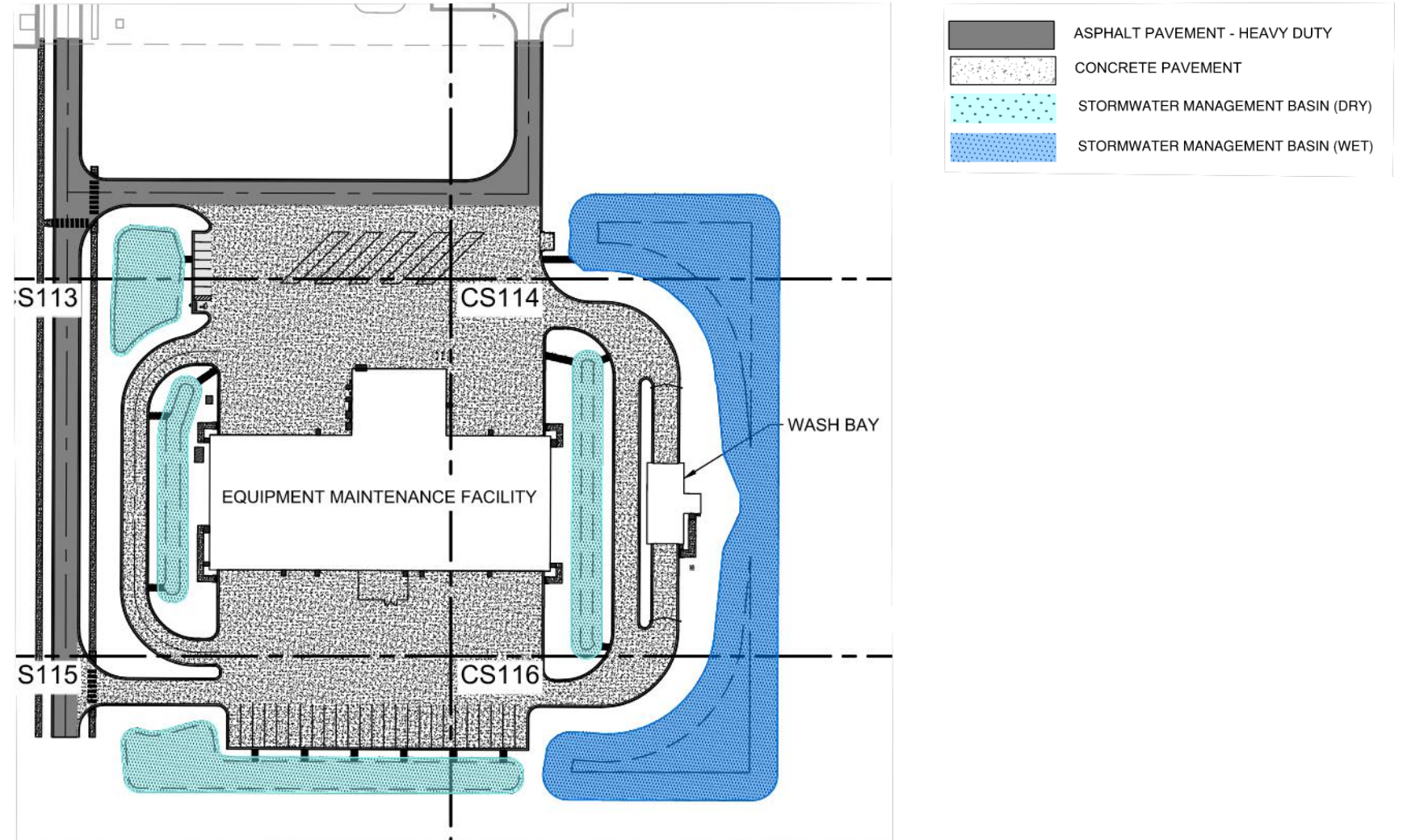
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LRS VEHICLE MAINTENANCE FROM SOUTHEAST



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LRS VEHICLE MAINTENANCE SITE PLAN





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WAREHOUSE DISTRICT



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SPotFi “Storage & Warehouse”





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OVERALL SITE PLAN



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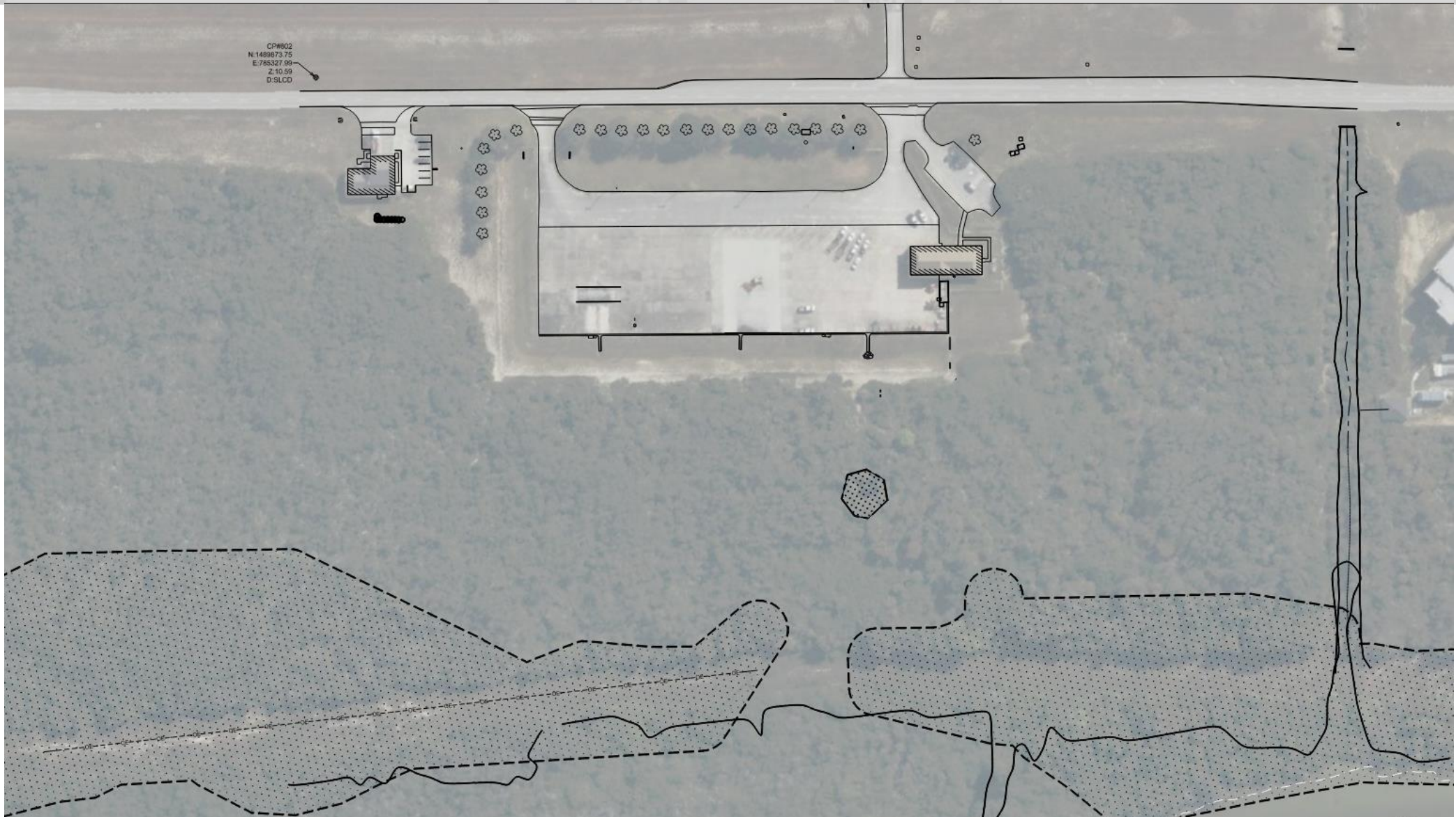
PROJECT LOCATION

- Total Area
- Warehouse 1
- Warehouse 2
- Contractor Laydown
- Comms Duct Bank



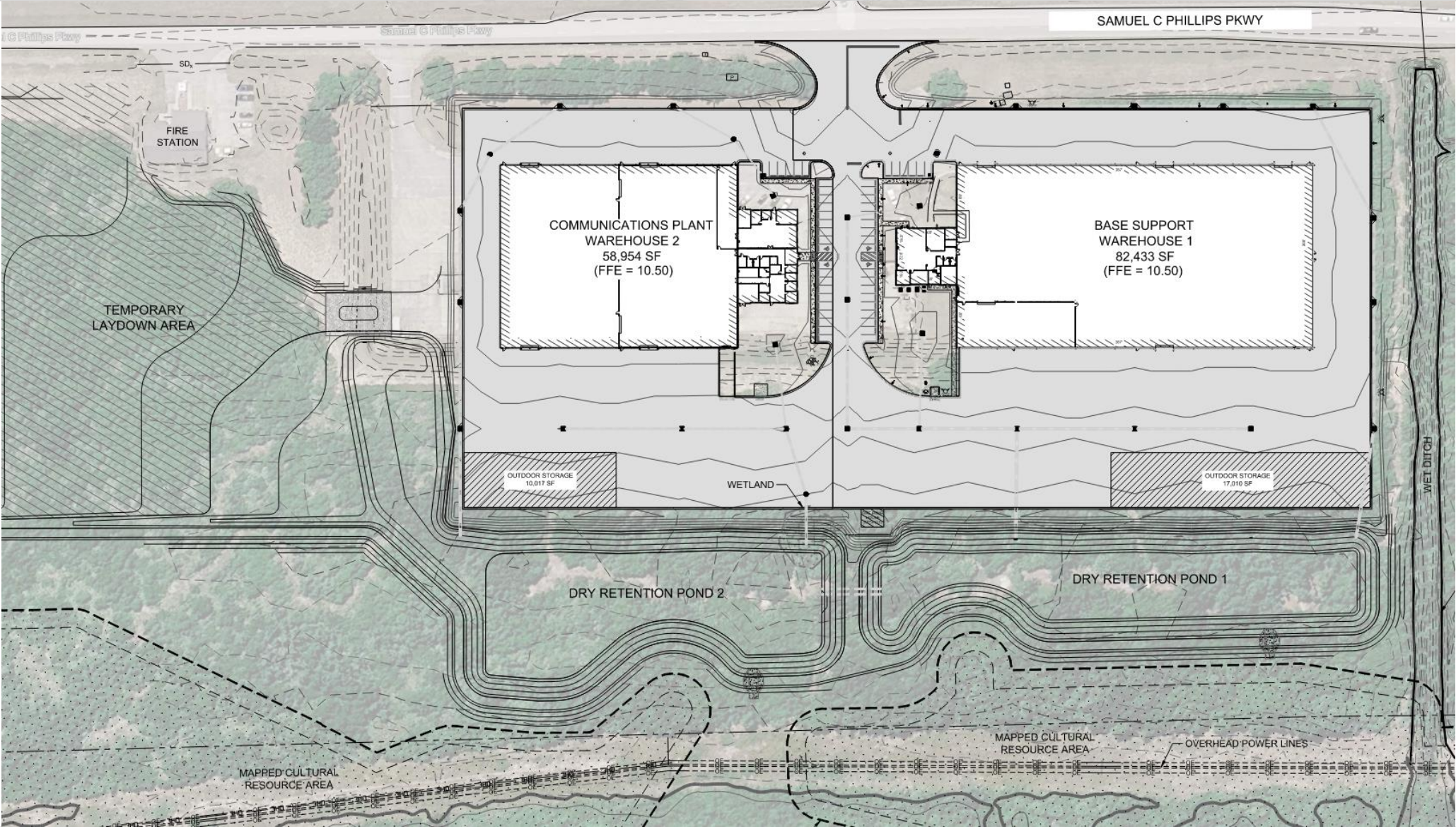


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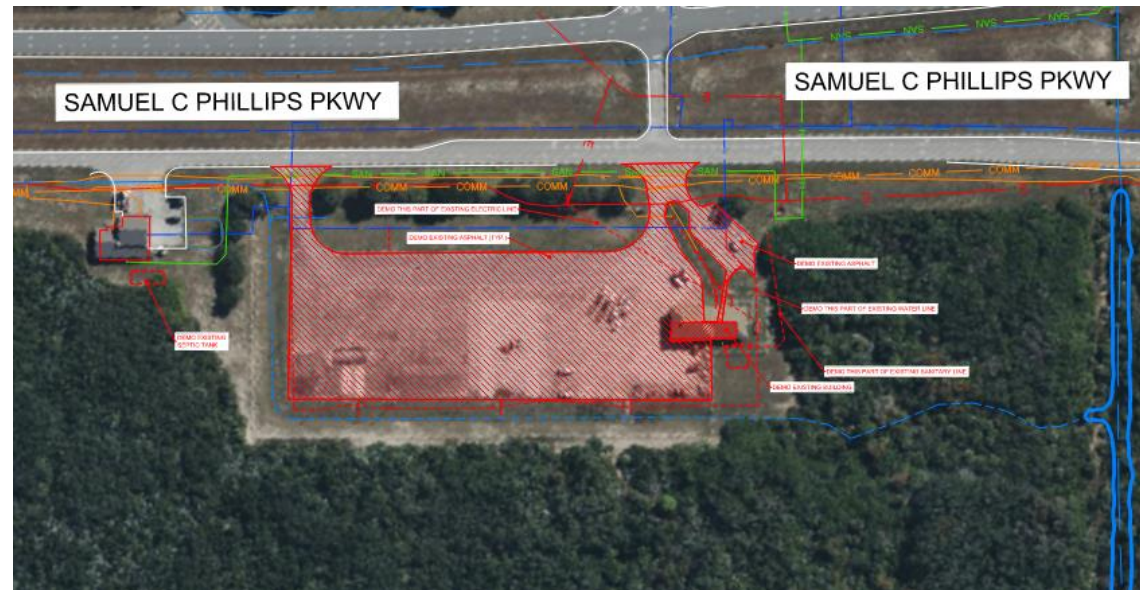


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- Building 85110—
Landscape Facility
- 4,000 SF Building
- 137K SF Pavement
- HAZMAT Report:
Asbestos, Lead Based
Paint, etc.
- Included with Warehouse
1 (Current Design)

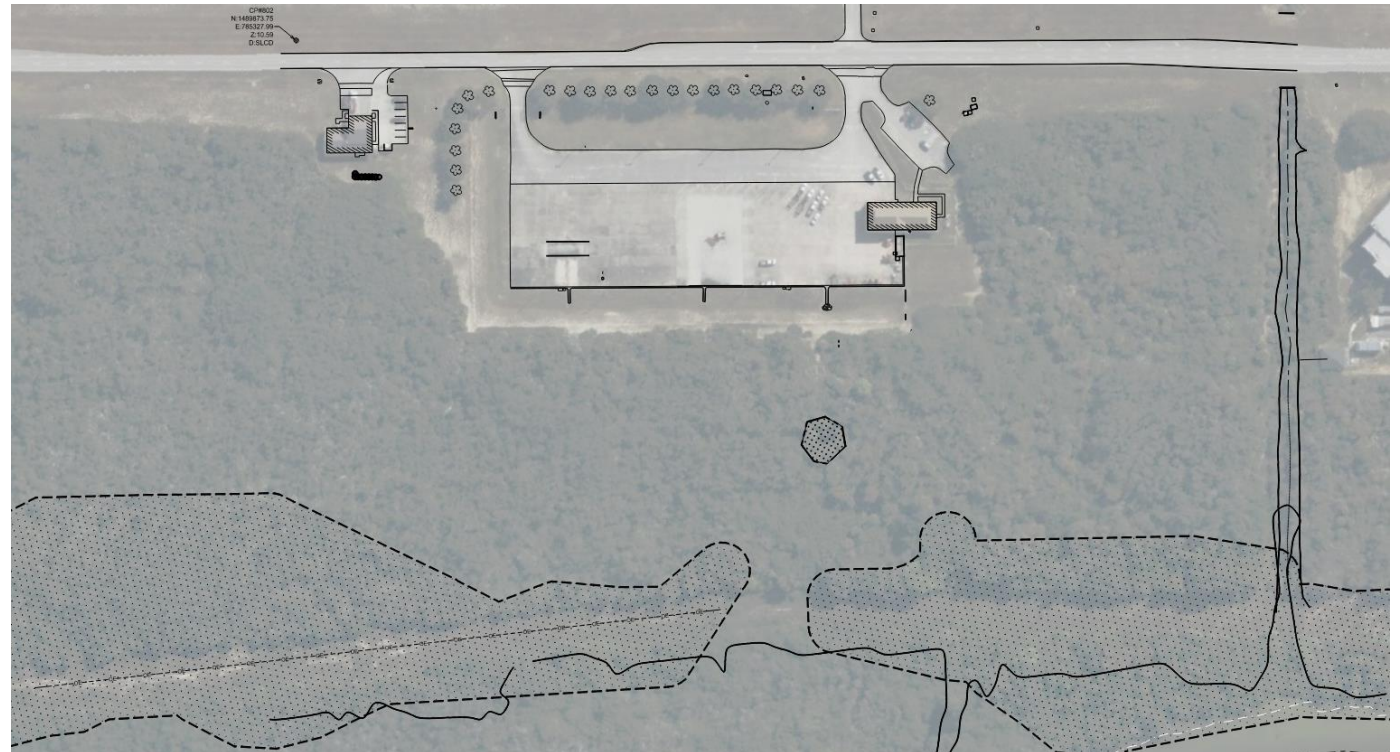




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ENVIRONMENTAL CONCERNS

- Protected Species
- Site Lighting
- Cultural Resource Area
- HAZMAT
- Status of survey, permits, registration, etc.





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BASE SUPPORT WAREHOUSE





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BASE SUPPORT WAREHOUSE

EXTERIOR RENDERING

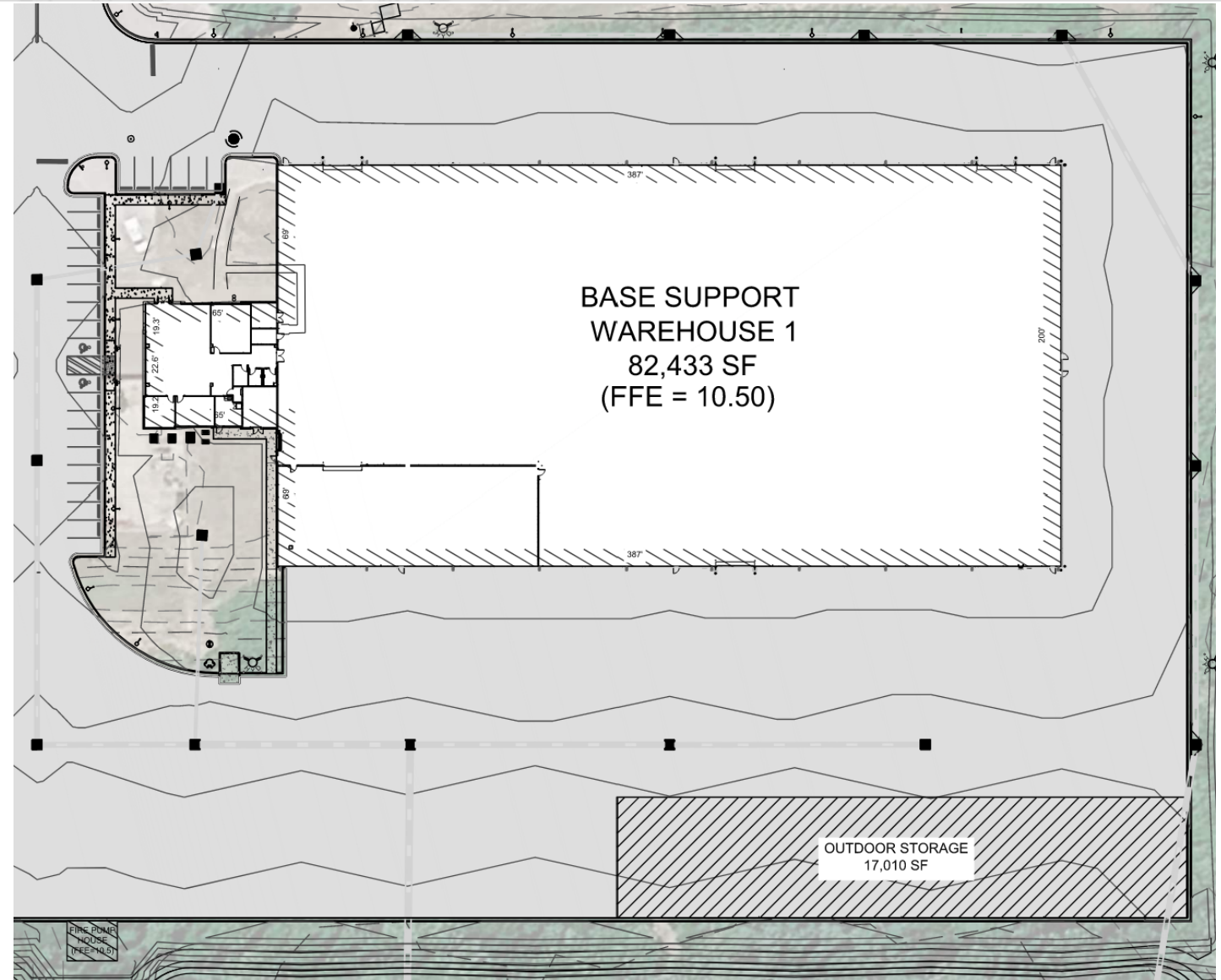




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BASE SUPPORT WAREHOUSE

SITE PLAN

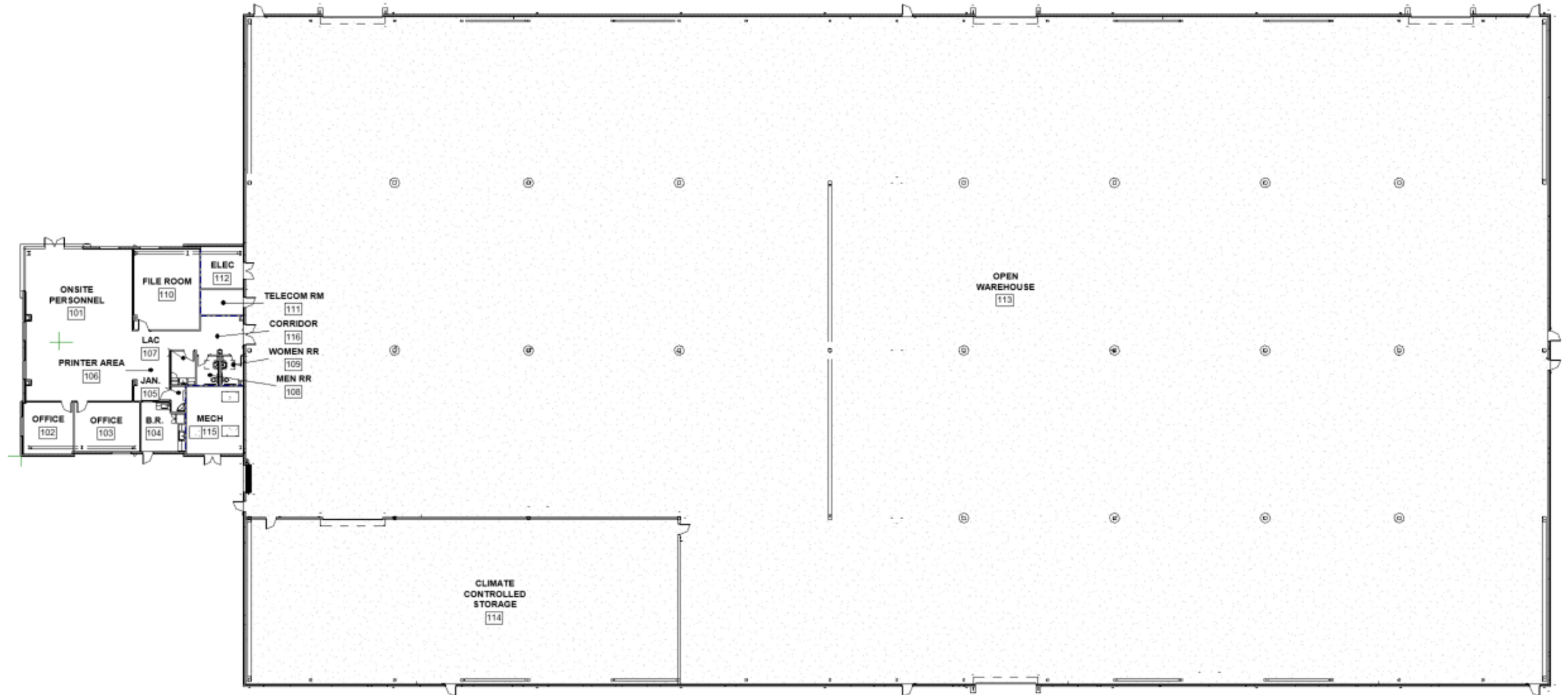




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BASE SUPPORT WAREHOUSE

FLOOR PLAN

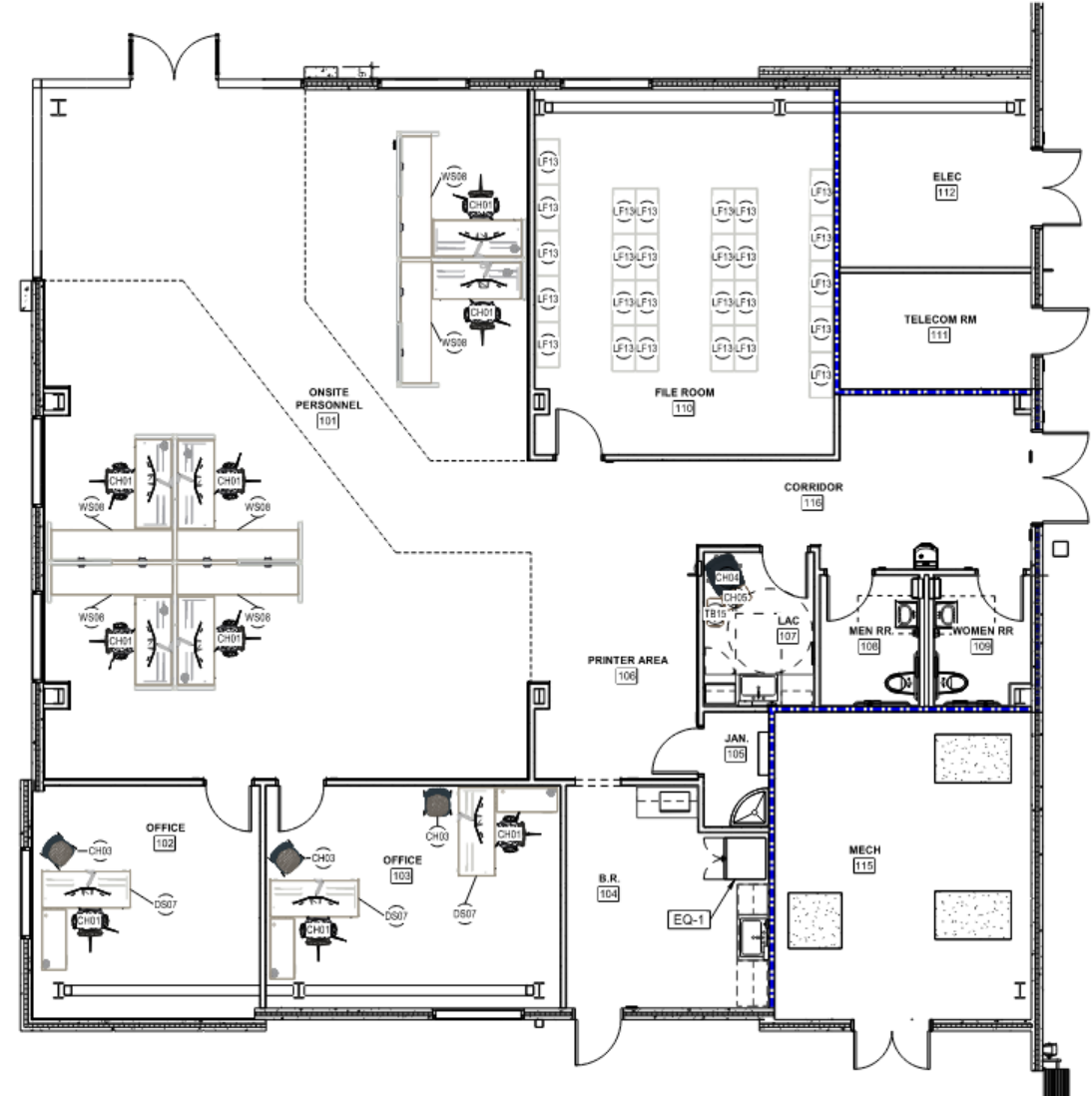




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BASE SUPPORT WAREHOUSE

FLOOR PLAN (ADMIN AREA)





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COMMUNICATIONS PLANT WAREHOUSE





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COMMUNICATIONS PLANT WAREHOUSE

EXTERIOR RENDERING

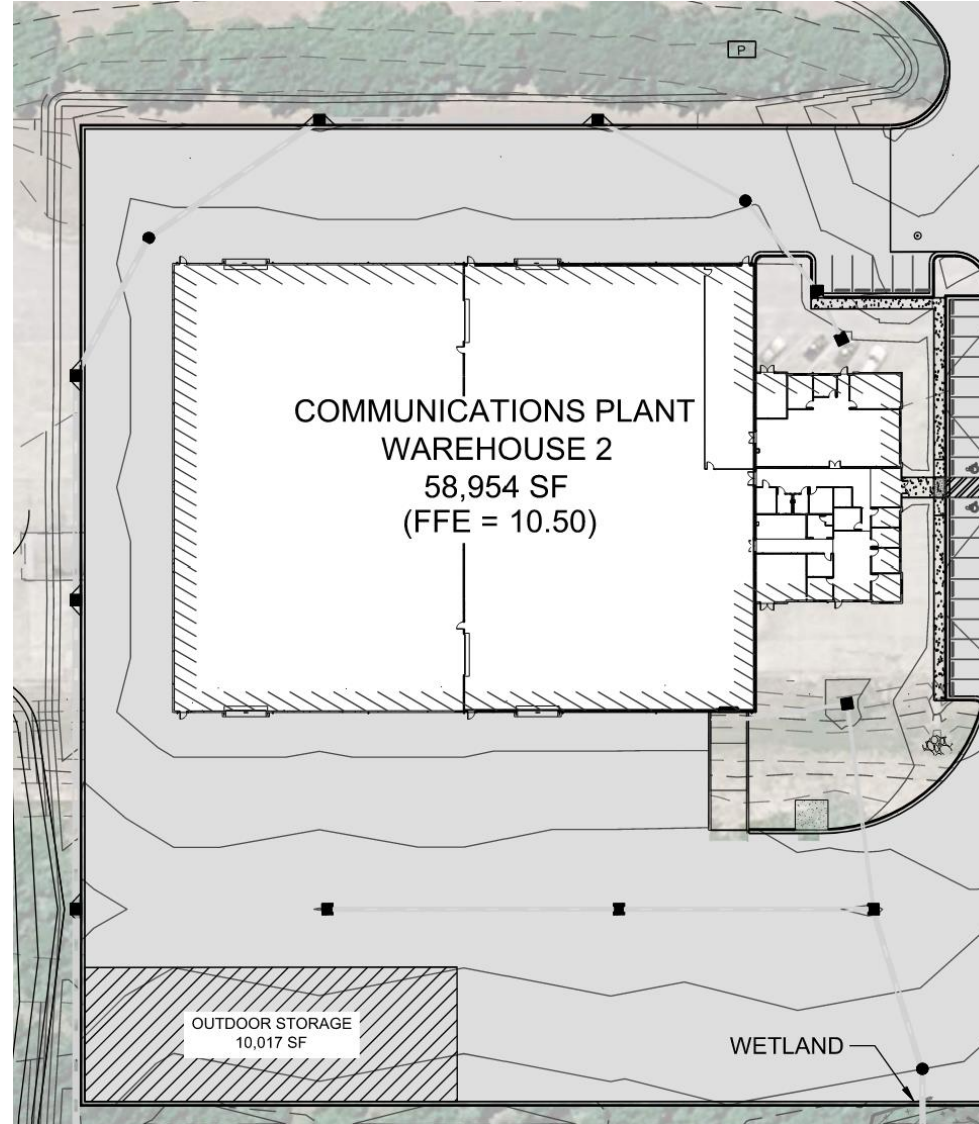




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COMMUNICATIONS PLANT WAREHOUSE

SITE PLAN

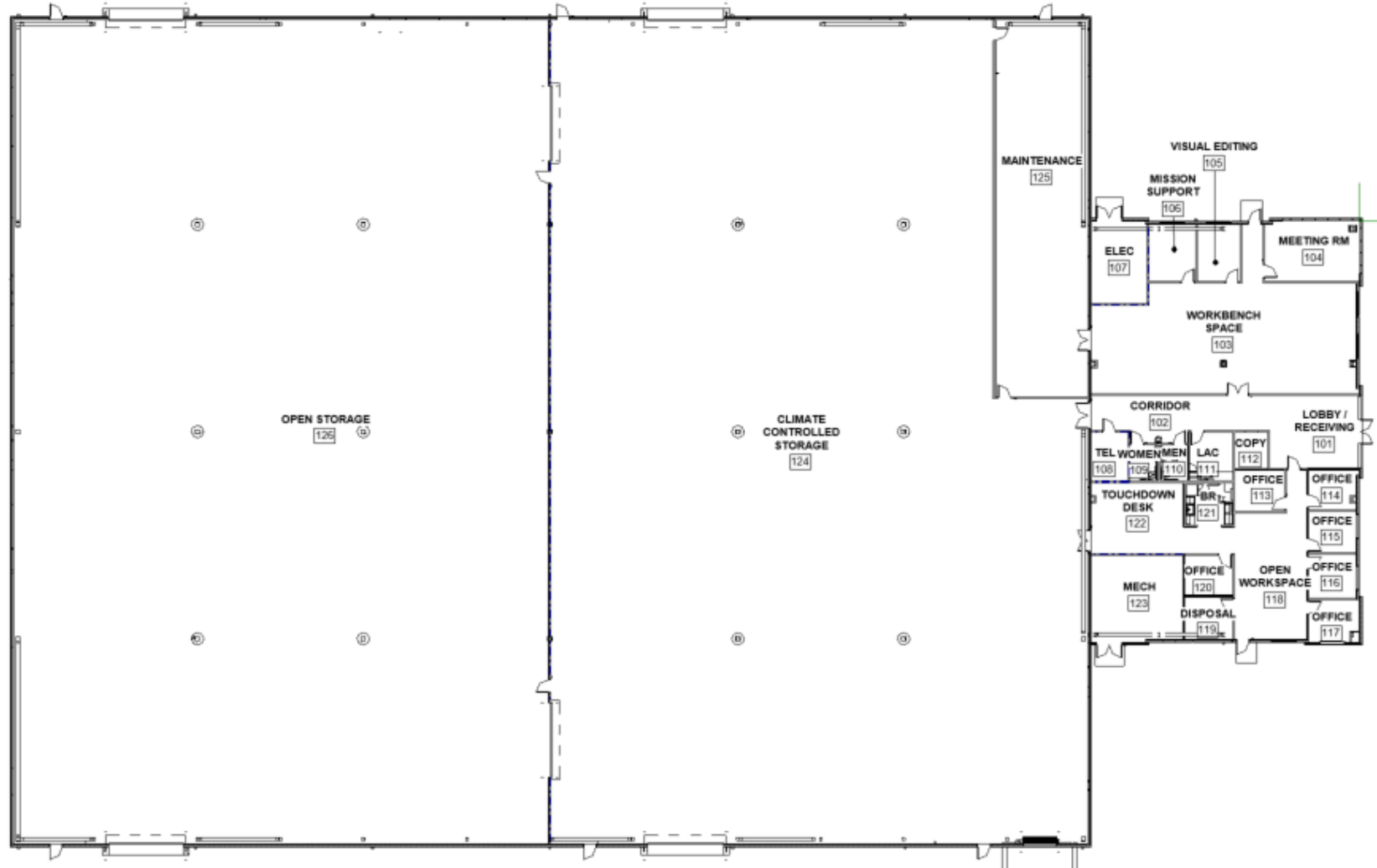




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COMMUNICATIONS PLANT WAREHOUSE

FLOOR PLAN

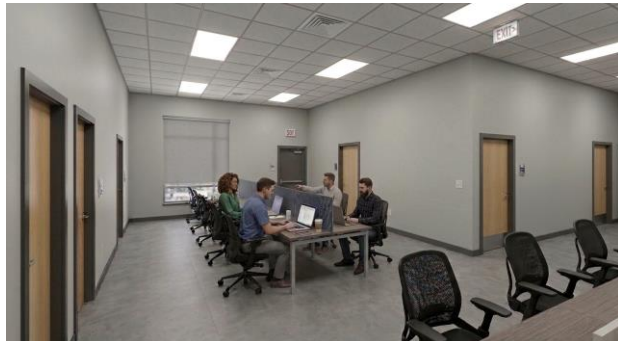




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COMMUNICATIONS PLANT WAREHOUSE

FLOOR PLAN ROTATED (ADMIN AREA)





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COMMUNICATIONS DUCT BANK





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SCENARIO #1

DESIGN – BID - BUILD



SCENARIO #1

SOLICITATION #1

- LAUNCH SUPPORT FACILITY
- COMMAND FACILITY
- SECURITY FORCES
OPERATION FACILITY
- LRS VEHICLE MAINTENANCE
FACILITY

SOLICITATION #2

- BASE SUPPORT WAREHOUSE
- COMMUNICATIONS PLANT
WAREHOUSE



SCENARIO #2

INNOVATIVE CONTRACTING APPROACH
(PDB, CM at RISK, DB2B)



SCENARIO #2

ONE SOLICITATION

- LAUNCH SUPPORT FACILITY
- COMMAND FACILITY
- SECURITY FORCES
OPERATION FACILITY
- LRS VEHICLE MAINTENANCE
FACILITY
- BASE SUPPORT WAREHOUSE
- COMMUNICATIONS PLANT
WAREHOUSE



TENTATIVE ITEMS TO BE PROVIDED TO BE PROVIDED WITH PHASE 1 PACKAGE

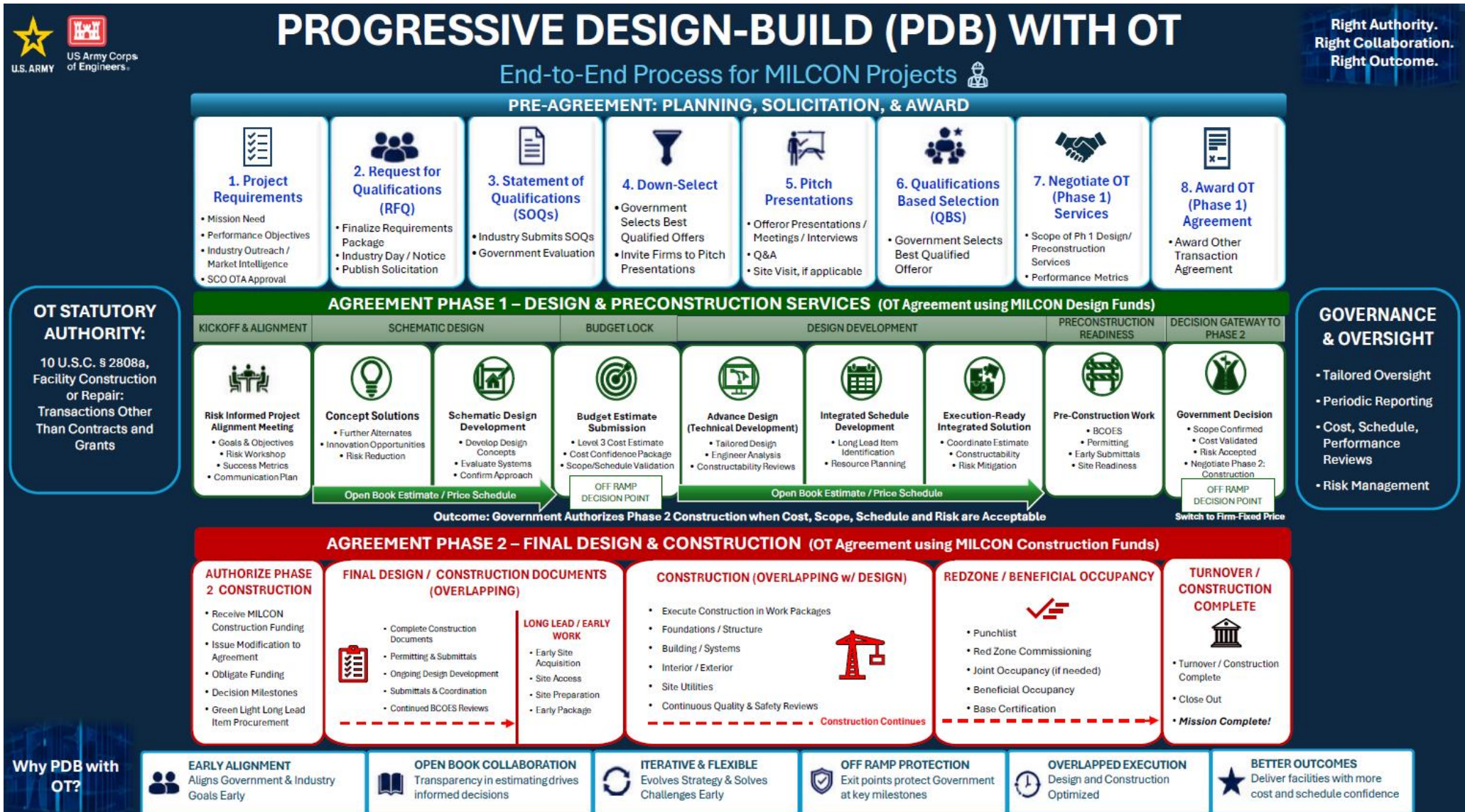
- TOPOGRAPHIC AND UTILITY SURVEYS
- GEOTECHNICAL BORINGS LOGS
- HAZMAT SURVEY
- 95% DESIGN DOCUMENTS (FIO)
- PLANNING CHARRETTE REPORTS
- DESIGN ANALYSIS
- ENVIRONMENTAL ANALYSIS
- INSTALLATION FACILITY STANDARDS (IFS)



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PROGRESSIVE DESIGN-BUILD (PDB) WITH OT

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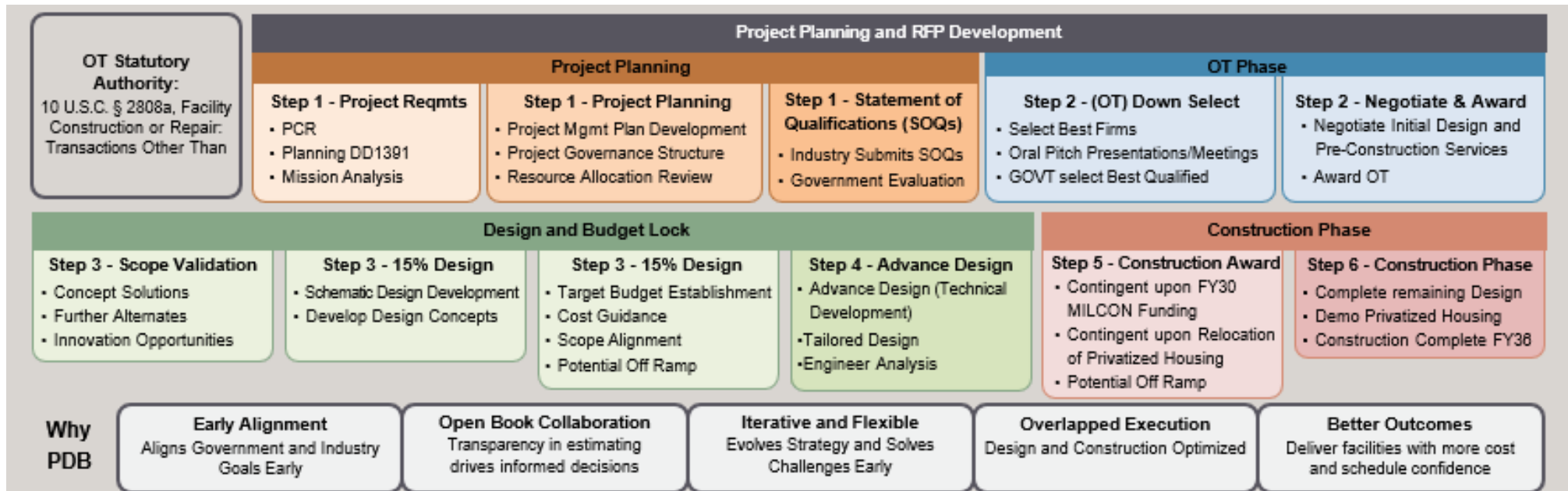
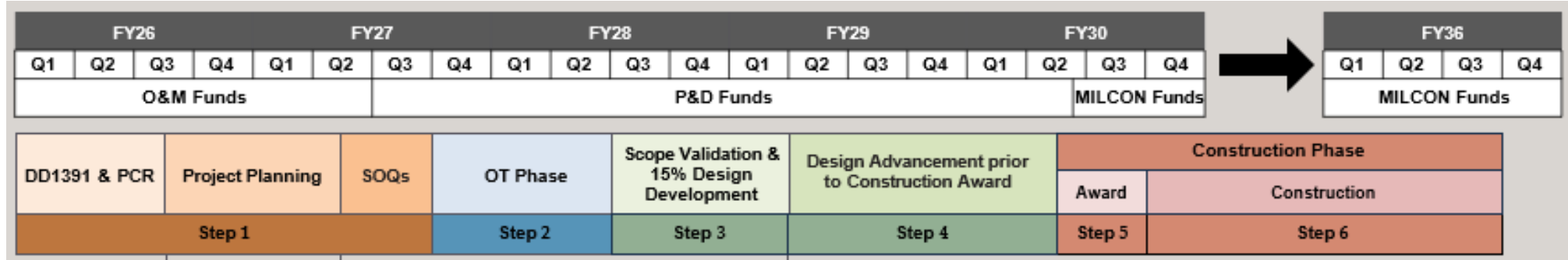




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PROGRESSIVE DESIGN-BUILD (PDB) WITH OT

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PROGRESSIVE DESIGN-BUILD (PDB) WITH OT

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Progressive Design Build (PDB) -Highly
Collaborative variation of Design Build, single contract awarded for design and construction. Final construction price is determined once the design "progresses" to 65 or 95 percent complete.

What is Progressive Design-Build (PDB)

- PDB uses a qualifications-based or best value selection, followed by a process whereby the Team progresses the design and contract price until an agreed upon Firm Fix Price.
- The Design-Build Contractor is retained early, possibly before the requirements are fully developed.
- The Contractor's Team is selected based on qualifications not price and schedule.
- The Contractor's Team delivers the project in two phases: (a) Phase One budget level design and negotiations of firm contract price, (b) Phase Two final design, construction and commissioning.

Progressive Design-Build (PDB) Best For: The most complex, urgent, or undefined projects (e.g., headquarters, SCIF, first-of-its-kind facility). Maximizes collaboration and innovation at earliest opportunity. During the design phase, provides highest level of cost and schedule certainty by defining price w/the builder.

Speed: One advantage of Progressive Design-Build is speed of award to the Design-Build Team. PDB can engage the Contractor's Design Team prior to completion of the planning process.

- The Contractor can Fast Track some construction elements earlier after award of Construction Phase

Flexibility: PDB offers the flexibility to absorb customer required changes as the design is progressing.

- Before the price is set, the customer can best inform the design with changes and get Contractor input.

Off Ramp: The Government or Contractor may terminate the contract if the Government and the Contractor can not agree on price.

Progressive Design-Build (PD-B) - Bottomline

- PD-B fosters true partnership between the Government and the Builder
 - Through an iterative Design process
 - Real-Time Problem Solving
 - Continuous Cost Modeling
- Success hinges on proactive, early integration of construction expertise, transparent estimating and collaborative decision-making
- PD-B is ideal for projects where traditional strategies are not sufficient.
- PD-B is justified when urgency is required.

