





Fort Lauderdale Police Headquarters Project Update

CITY OF FORT LAUDERDALE



Anthony Fajardo
Assistant City Manager
Office of the City Manager
City of Fort Lauderdale

Agenda

- Project Status
- Deflection Summary
- Peer Review
- Structural Enhancements
- Questions

Police Department HQ - Project Status

Percentage Complete - 50%

Headquarter Building:

- Architectural Precast - 100%
- Block Masonry - 100%
- Main Roof - 80%
- Glazing - 75%
- Drywall - 30%
- Elevator Installation - 50%

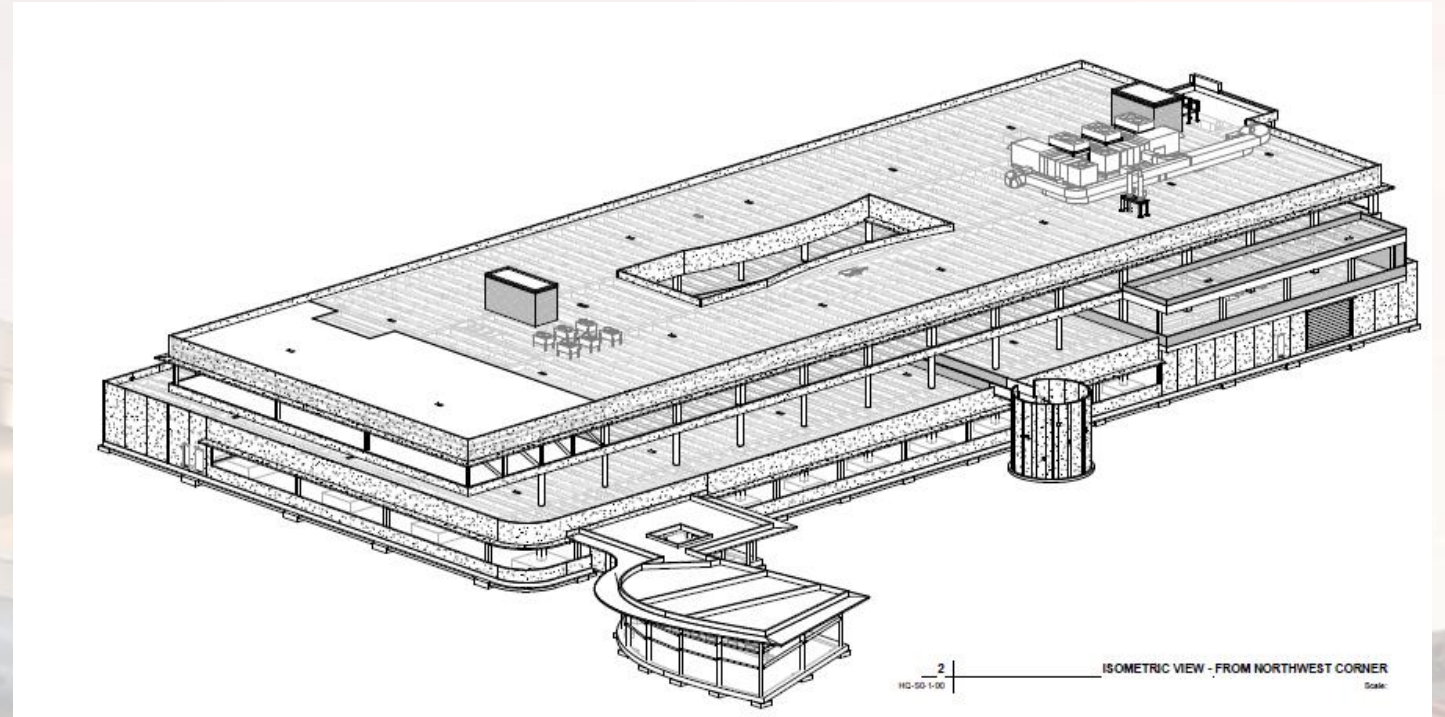
Parking Garage:

- Precast Construction - 100%
- Level 3 Traffic Coating - 100%
- Block Masonry - 95%
- Shooting Range Installation - 75%
- Stucco Installation - 85%
- Main Electrical Room - Ongoing

Site Work:

- FPL Vault Complete & Accepted by FPL
- South Side Asphalt Paving - 1st Lift Completed
- Utility Tie Ins - Anticipated Completion Sept 13th

- Temporary Radio Shelter - Turned Over to City



Deflection Summary / Actions Taken

- March 2024
 - Moss & Associates RFI #435 Identified Deflection Issue
 - Thornton Tomasetti (Engineer of Record) Developed Corrective Designs
 - Meeting Held with Building Services Division of DSD
 - Designs Approved & Permits Issued
 - Work Started
- April 2024
 - Inspections of Work Performed
 - Deflection Continued
 - Stop Work Issued in Area of Concern
- May 2024
 - Lakdas/Yohalem Engineering (LYE) Engaged to Review Designs and Co-Develop Additional Designs
 - Meeting Held with Building Services on Initial Findings
 - LYE Provided Initial Report

Deflection Summary / Actions

Taken

- June 2024
 - Temporary Shoring Installed
 - Engineering Designs for Additional Structural Enhancements Under Development
- July 2024
 - Supplemental Recommendations Submitted to City for Review
 - AECOM/LYE/Building Services Grant Request from Moss for Specific Work to Continue
 - Staff Search / Interviews for Additional Peer Review Begins
- August 2024
 - AECOM / Thornton Tomasetti / LYE Submit Initial Designs for Permit Review
 - Staff Identifies Firms to Perform Peer Review (4 Firms Interviewed)
 - UCI Engineering
 - Walter P. Moore
 - WJE (Wiss, Janney, Elstner Associates, Inc.)
 - Bliss & Nyitray, Inc
 - Building Services Review of Design Pending Approval

WJE - Peer Review

- WJE Chosen for Peer Review Work
 - Founded 65-Year Ago
 - National Firm w/Offices in London
 - Specializes in Investigation, Analysis, Testing, and Design of Structural Repairs and Retrofit Solutions
 - Conducted Over 175,000 Investigations Worldwide
 - Selected Relevant Projects
 - Rickards Middle School Roof Collapse
 - Champlain Towers South
 - Alcatraz Cellhouse Structural Stabilization
 - FIU Pedestrian Bridge
 - Washington Monument Structural Evaluation/Repair Following Earthquake
 - Boston, MA - Metropolitan Highway System Structural Evaluation/Safety Review/Structural Repairs

WJE – Phased Approach

- Phase 1 – Deflection Area Only

- Document Review
- Structural Design Review
- Field Assessment
- Repair Review
- Report

Approximately 4 Weeks

- Phase 2 – Remaining Building Area

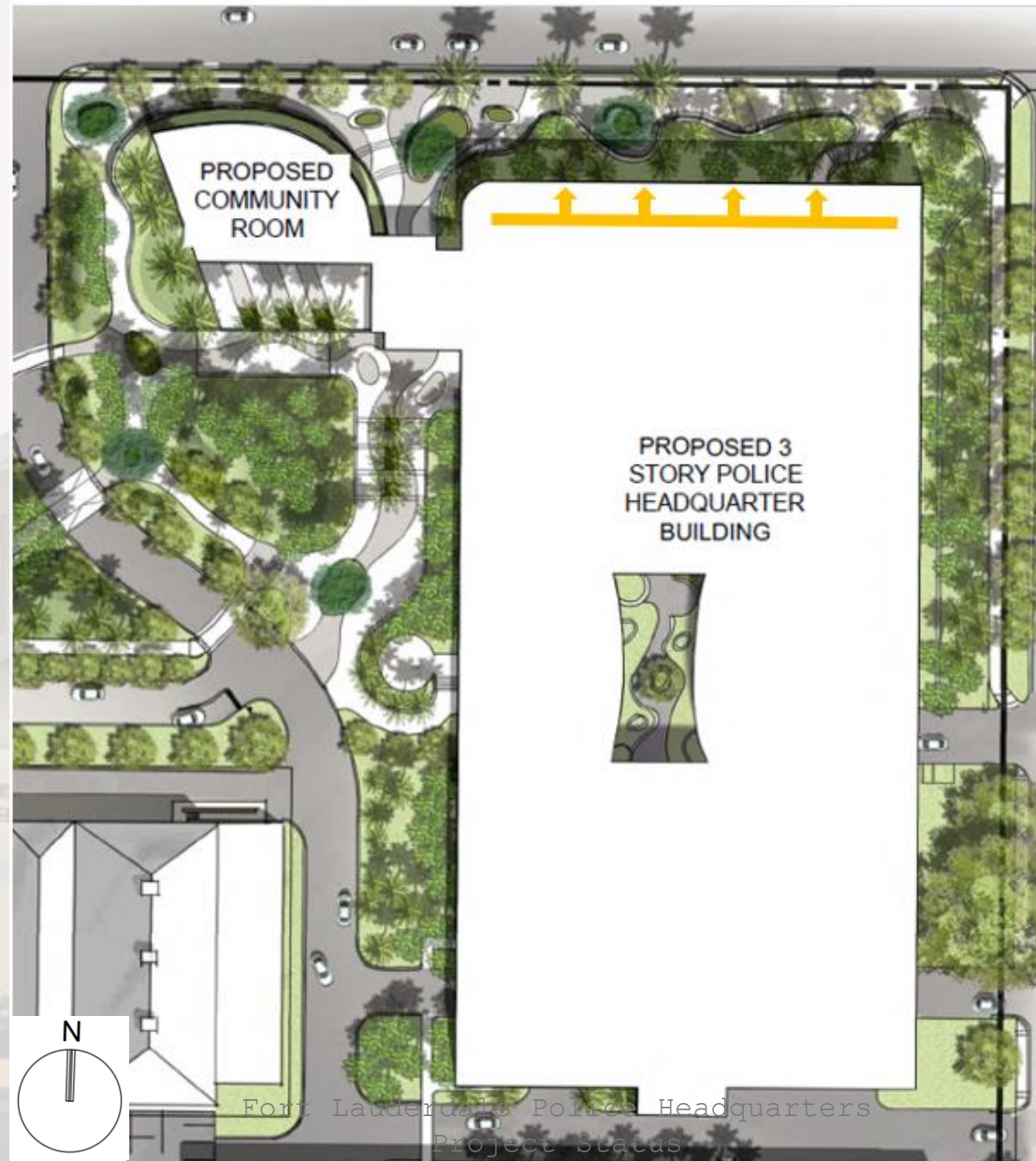
- Document Review
- Site Visit
- Structural Analysis and Design of Representative Elements
- Report

Approximately 6 Weeks

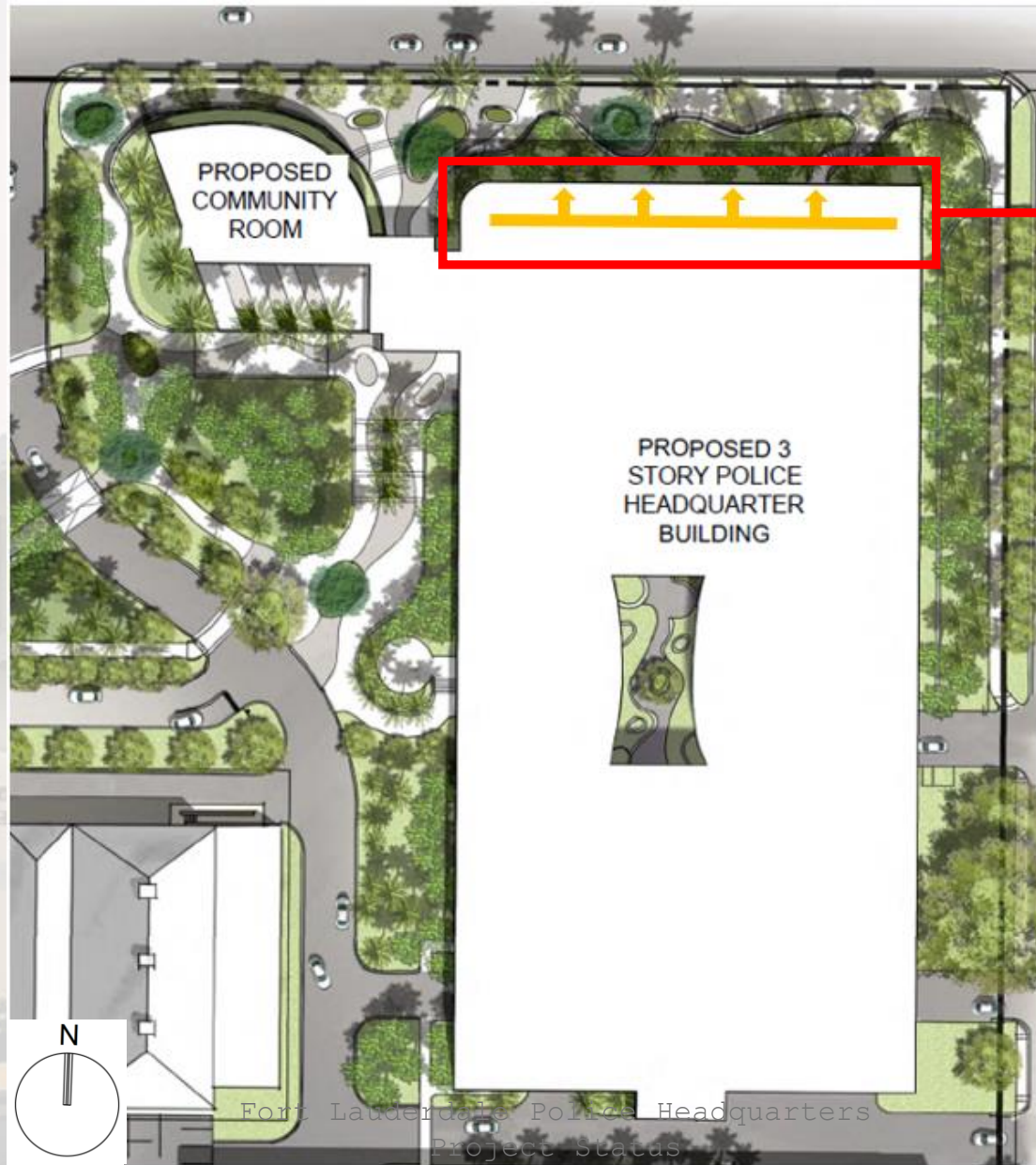
Phased Peer Review



Phased Peer Review

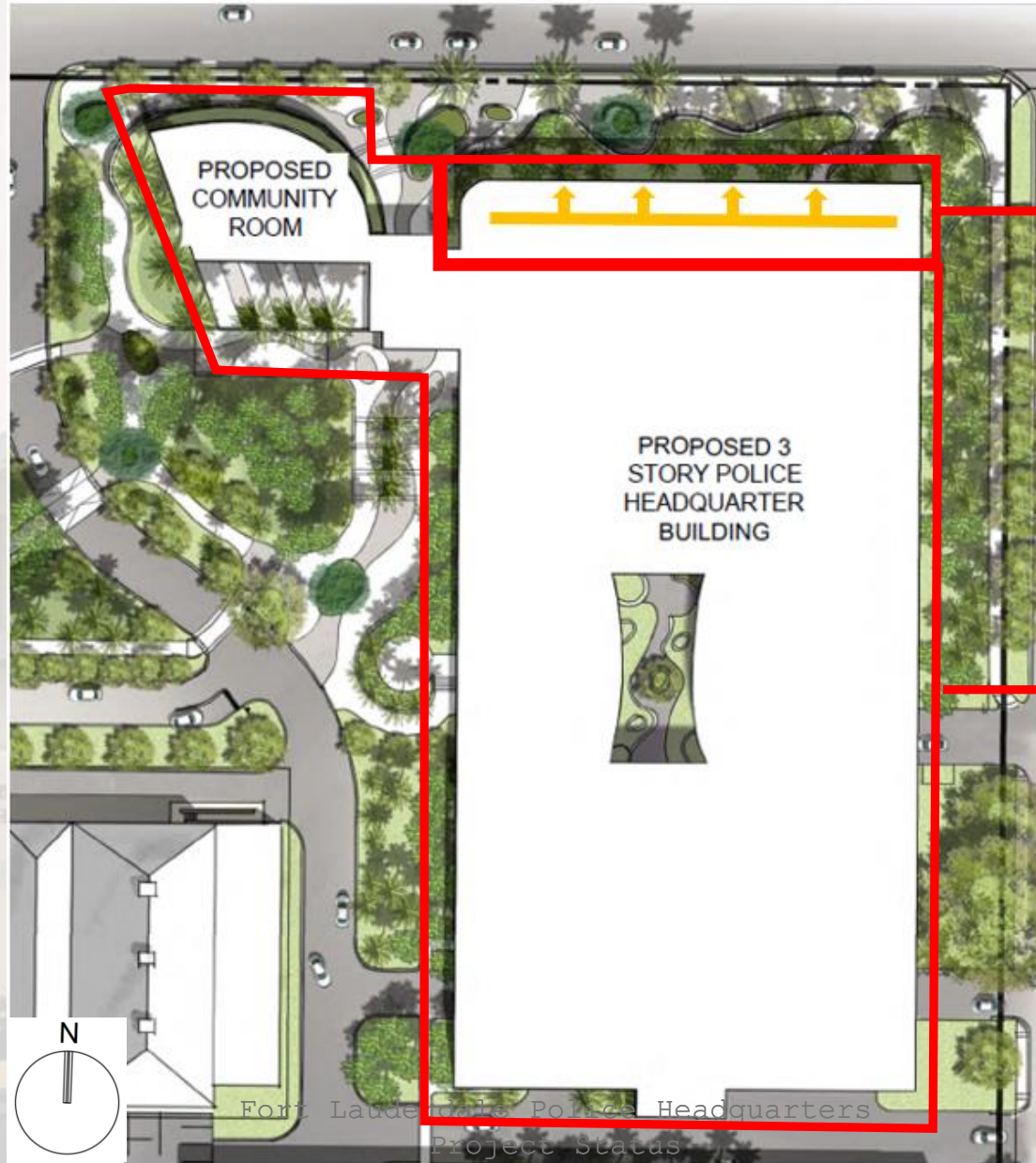


Phased Peer Review



Phase One - 4 Wks
(+/-)

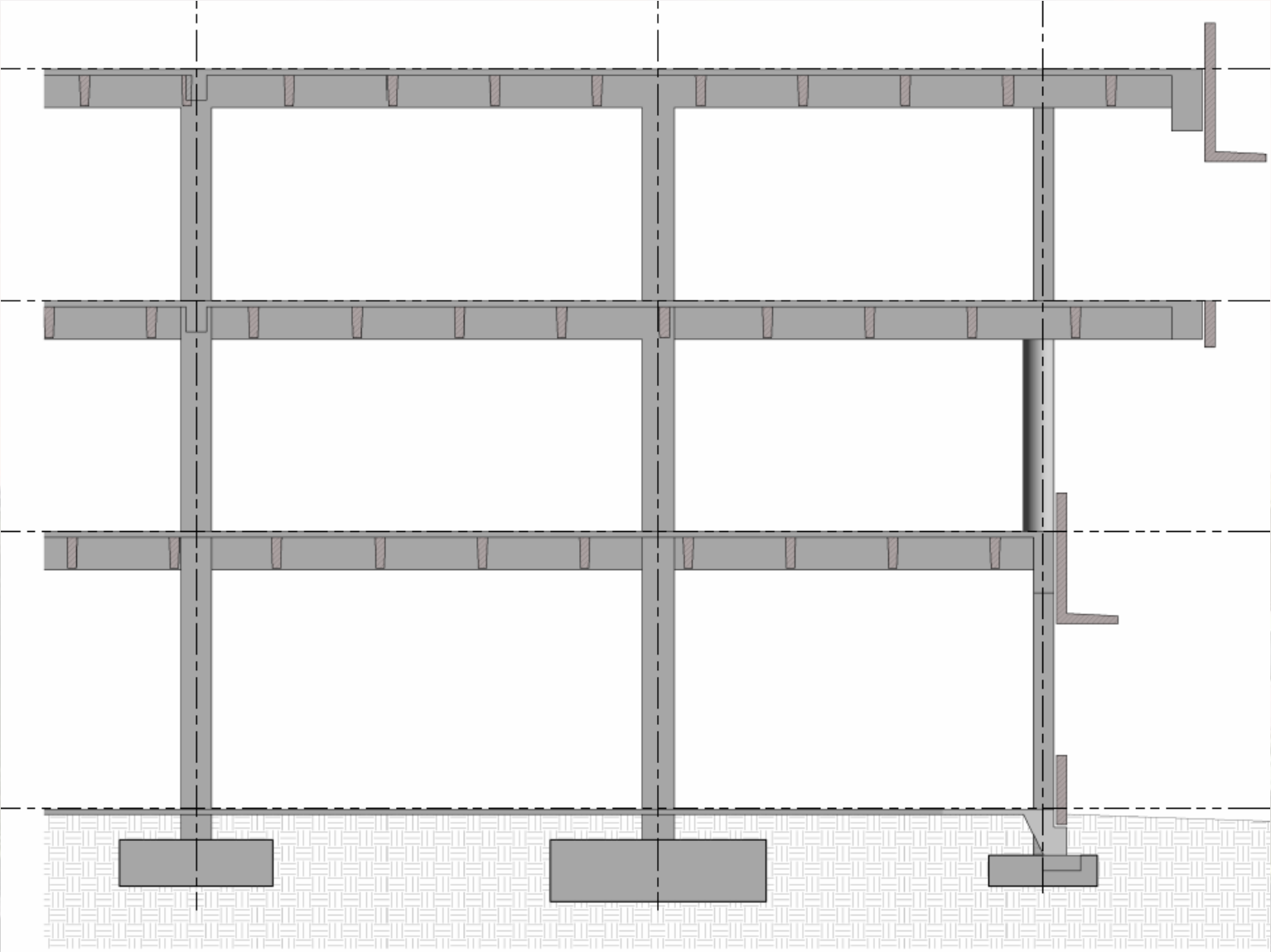
Phased Peer Review



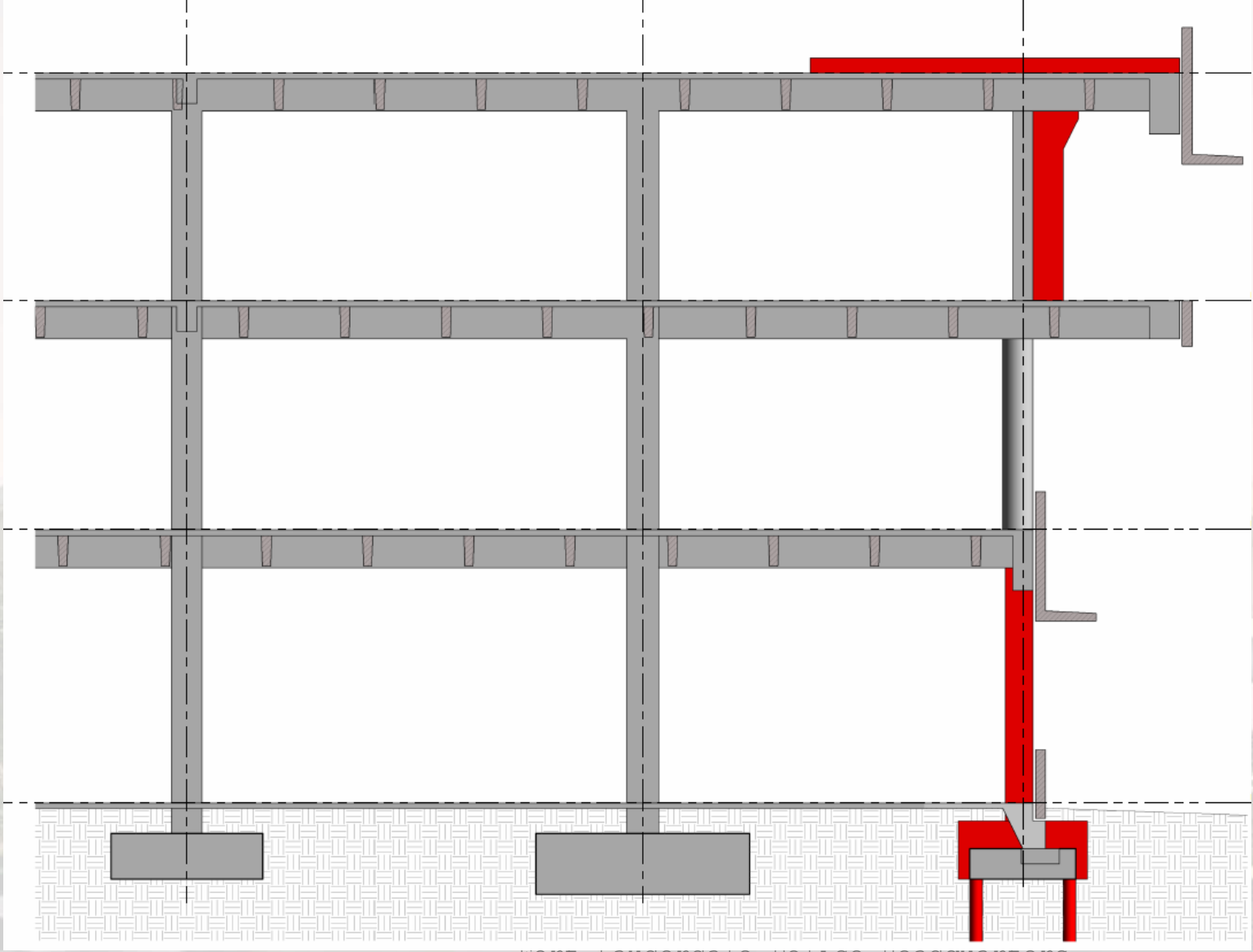
Phase One - 4 Wks
(+/-)

Phase Two - 6 Wks
(+/-)

Structural Enhancements

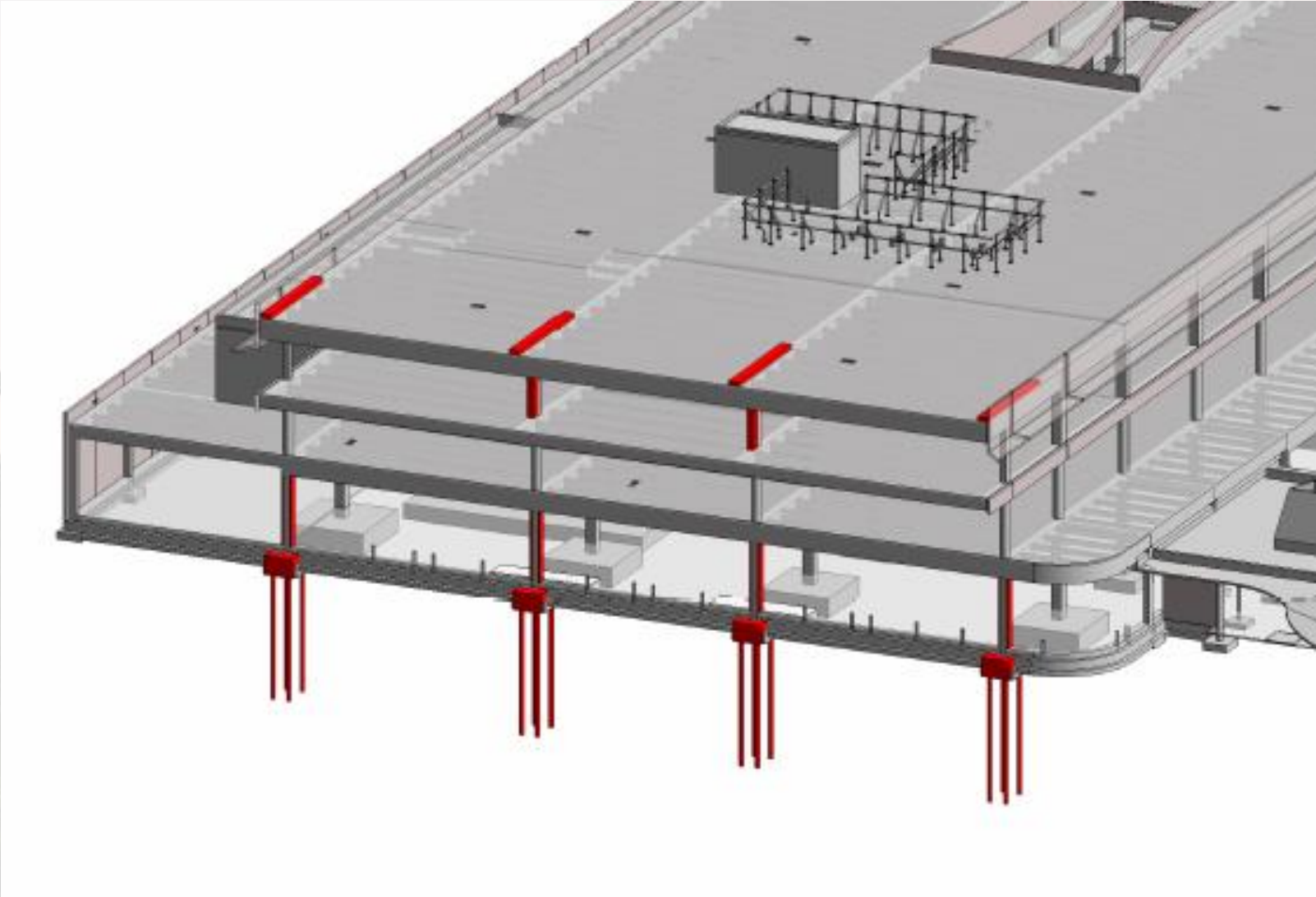


Structural Enhancements



Fort Lauderdale Police Headquarters
Project Status

Structural Enhancements



Next Steps

- Finalize Agreement with WJE
- Building Services Permit Review and Issuance of Structural Enhancements
- Implementation of Structural Enhancements by Moss
- Peer Review by WJE to Take Place Concurrently with Work
- Relocation of Radio Equipment Into Shelter
- Abatement & Demolition of Existing PD Building
- General Development Work to Continue
- Anticipated Completion Date of Project - September 2025

Questions?

