September 23, 2026

Cornelius Benton
Director of Restoration & Repair
Edge Construction, LLC
525 NE 13th Street
Fort Lauderdale FL 33304

Re: Broward Health Atrium: Foundation Analysis and Vertical Expansion Feasibility Study
Wind Tunnel Study Review
1600 S Andrews Ave, Fort Lauderdale FL 33316
Walter P Moore Project No. D26.26017.00

Mr. Benton:

The wind tunnel study provided by CPP on September 22, 2026 indicates that the code prescribed wind loads can be reduced by about 79%. Our feasibility study reviewed two cases for the vertical expansion of adding three floors at the existing facility, 1) using 100% wind load prescribed by code and 2) using 50% wind load prescribed by code. Our results indicated in both cases that compression load demands exceed capacities in piles under Core C. The 100% wind load resulted in 11 of 22 piles exceeding capacity (Fig.20), and the 50% wind load resulted in 1 pile exceeding capacity (Fig. 22).

Since the results of the wind tunnel study indicated the design wind loads would need to be in the middle of these 2 cases (leaning slightly toward the 100% wind load case), **we recommend strengthening the Core C shear wall, similar to our conceptual design provided in our report (Fig. 31)**.

Further structural analysis/design and geotechnical guidance is needed to further review the wind tunnel study results and the effects to the structural design of the three-story expansion and foundation strengthening.

We very much appreciate this opportunity to provide these services to you. Please do not hesitate to contact us if we can further assist you.

Sincerely,
WALTER P. MOORE AND ASSOCIATES, INC.

Matt Wagner, S.E. (IL)
Principal/Managing Director

Jason Golzbein, P.E.
Senior Associate

Attachments: Location of Core C and Select Figures from Walter P Moore June 4, 2026 Report

Attachments

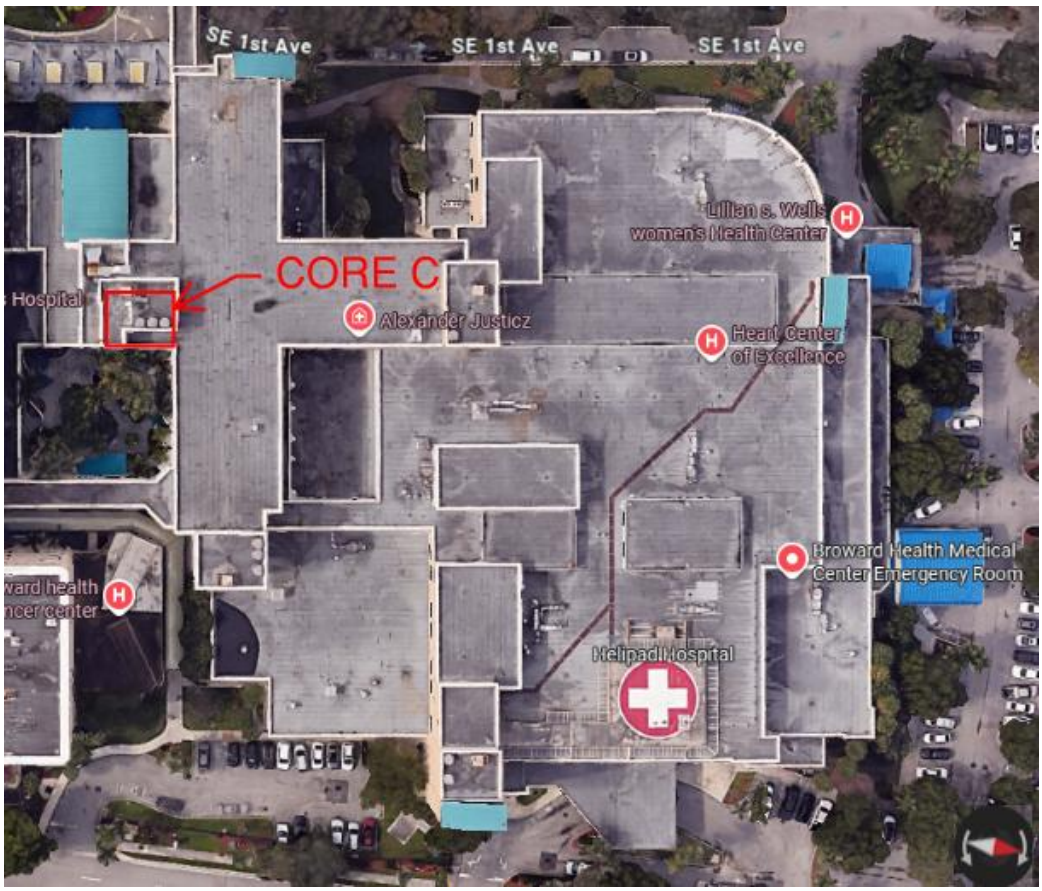


Image 1. Location of Core C

Select Figures from Feasibility Report

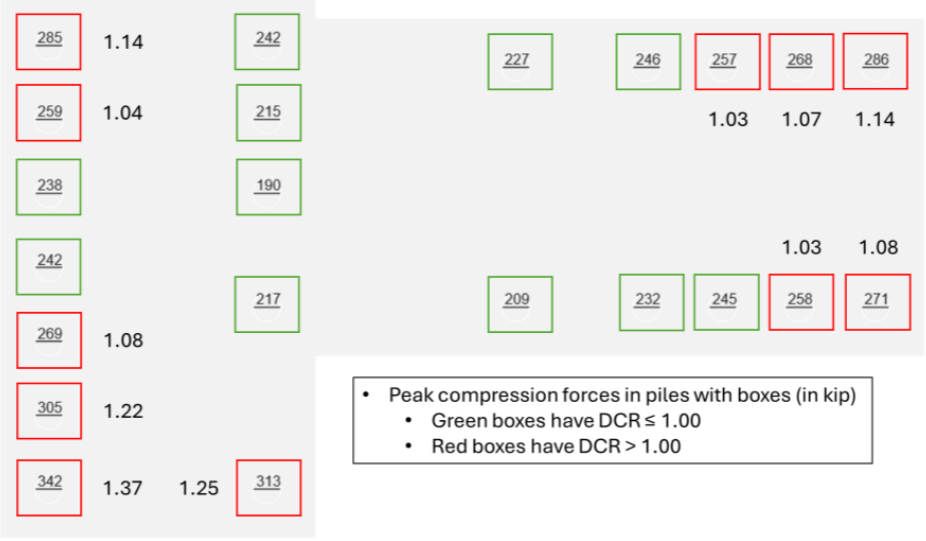


Figure 20: Peak compression demands for piles under Core C pile cap foundation for Case 1 (100% Wind Load)



Figure 22: Peak compression demands at piles under Core C pile cap foundation for Case 2 (50% Wind Load)

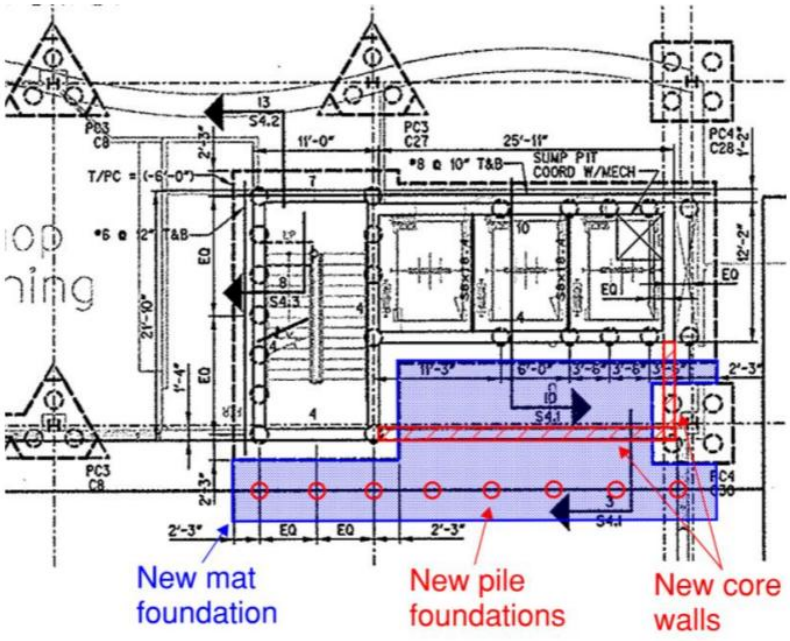


Figure 31: Conceptual design for strengthening of the Core C shear wall