

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

POST-EFFECTIVE AMENDMENT No. 1
to
FORM S-11
FOR REGISTRATION UNDER THE SECURITIES ACT OF 1933
OF SECURITIES OF CERTAIN REAL ESTATE COMPANIES

WHEELER REAL ESTATE INVESTMENT TRUST, INC.
(Exact name of registrant as specified in governing instruments)

2529 Virginia Beach Blvd.
Virginia Beach, Virginia 23452
(757) 627-9088

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Kaufman & Canoles, P.C.
150 W. Main Street, Suite 2100
Norfolk, VA 23510
(757) 624-3000

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:
Daniel P. Raglan, Esq.
Cadwalader, Wickersham & Taft LLP
200 Liberty Street
New York, NY 10281
(212) 504-6000

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this Registration Statement.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box. ☒

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☒ Registration No. 333-287930

If delivery of the prospectus is expected to be made pursuant to Rule 434, check the following box. ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.:

Large accelerated filer	☐	Accelerated filer	☐
Non-accelerated filer	☒	Smaller reporting company	☒
		Emerging growth company	☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. ☐

EXPLANATORY NOTE

This Post-Effective Amendment No. 1 to the Registration Statement on Form S-11 (Registration No. 333-287930) is filed pursuant to Rule 462(d) solely to add exhibits not previously filed with respect to such Registration Statement.

PART II

Information Not Required In Prospectus

Item 36. Financial Statements and Exhibits.

(b) Exhibits.

The following exhibit is filed as part of this Registration Statement:

Exhibit No.	Description
23.1	Consent of Cherry Bekaert LLP

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing this Form S-11 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Virginia Beach, State of Virginia, on March 5, 2026.

WHEELER REAL ESTATE INVESTMENT TRUST, INC.

By: /s/ M. Andrew Franklin
M. Andrew Franklin
Chief Executive Officer and President
(Principal Executive Officer)

By: /s/ Crystal Plum
Crystal Plum
Chief Financial Officer
(Principal Financial Officer and Principal Accounting Officer)

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed below by the following persons on behalf of the Company and in the capacities and on the dates indicated.

/s/ M. Andrew Franklin M. Andrew Franklin	CEO and President (Principal Executive Officer)	March 5, 2026
/s/ Crystal Plum Crystal Plum	Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)	March 5, 2026
* Stefani D. Carter	Chair of Board	March 5, 2026
* E.J. Borrack	Director	March 5, 2026
* Robert Brady	Director	March 5, 2026
* Kerry G. Campbell	Director	March 5, 2026
/s/ Gregory Hannon Gregory Hannon	Director	March 5, 2026
* Rebecca Musser	Director	March 5, 2026
* Megan Parisi	Director	March 5, 2026
* Joseph D. Stilwell	Director	March 5, 2026
*By: /s/ M. Andrew Franklin M. Andrew Franklin, Attorney-in-Fact		March 5, 2026

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that the person whose signature appears below hereby makes, designates, constitutes and appoints M. Andrew Franklin, Crystal Plum and Stefani D. Carter, and each of them (with full power and authority to act without the other), his true and lawful attorneys-in-fact and agents, each with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities, to sign any and all amendments, including post-effective amendments, to this Registration Statement, and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that each of said attorneys-in-fact and agents or their substitute or substitutes may lawfully do or cause to be done by virtue hereof.

/s/ Gregory Hannon
Gregory Hannon

Director

March 5, 2026

Consent of Independent Registered Public Accounting Firm

We hereby consent to the use in the Supplement dated March 5, 2026 to the Prospectus related to Post-Effective Amendment No. 1 to the Registration Statement (File No. 333-287930) on Form S-11 of our report dated March 5, 2026, relating to the consolidated financial statements and consolidated financial statement schedules as of December 31, 2025 and 2024 and for each of the years in the two-year period ended December 31, 2025, which appears in the Company's Annual Report on Form 10-K, and to the reference to our firm under the heading "Experts".

/s/ Cherry Bekaert LLP

Virginia Beach, Virginia
March 5, 2026