FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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|    |    |    |    |   |    |

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the

### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| affirmative defer<br>10b5-1(c). See I                  | nse conditions of Rule nstruction 10. |          |  |  |
|--|---------------------------------------|----------|--|--|
| 1. Name and Address of Reporting Person *  McHugh Ryan |                                       |          | 2. Issuer Name and Ticker or Trading Symbol  Main Street Capital CORP [ MAIN ] | Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner   |
| (Last) 1300 POST OA                                    | (First)                               | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 04/01/2025                    | X Officer (give title Other (specify below)  VP, CAO & Assistant Treasurer   |
| 8TH FLOOR (Street) HOUSTON                             | TX                                    | 77056    | 4. If Amendment, Date of Original Filed (Month/Day/Year)                       | Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person |
| (City)   | (State)                               | (Zip)    |  |  |

## Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction<br>Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 3.<br>Transaction<br>Code (Instr.<br>8) |   | 4. Securities Acquired (A) or<br>Disposed Of (D) (Instr. 3, 4 and 5) |   |                                    | Securities<br>Beneficially Owned<br>Following Reported | 6. Ownership<br>Form: Direct (D)<br>or Indirect (I)<br>(Instr. 4) | Beneficial<br>Ownership |
|---------------------------------|--|---|---|---|--|---|------------------------------------|--|---|-------------------------|
|                                 |  |   | Code                                    | v | Amount (A) or (D) Price  |   | Transaction(s)<br>(Instr. 3 and 4) |  | (Instr. 4)  |                         |
| Common Stock                    | 04/01/2025                                 |   | A <sup>(1)</sup>                        |   | 3,929  | A | \$0                                | 8,154  | D   |                         |
| Common Stock                    | 04/01/2025                                 |   | F <sup>(2)</sup>                        |   | 206  | D | \$56.56                            | 7,948  | D   |                         |

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of<br>Derivative<br>Security (Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | <br>Execution Date, | Transaction Code (Instr. 8) |  | Derivative |   | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |     | 7. Title and Amount of<br>Securities Underlying<br>Derivative Security<br>(Instr. 3 and 4) |                    | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported | Ownership<br>Form:<br>Direct (D) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|--|---|---------------------|-----------------------------|--|------------|---|--|-----|--|--------------------|---|--|----------------------------------|--|--|
|  |   |                     |                             |  | Code       | v | (A)  | (D) | Date<br>Exercisable  | Expiration<br>Date | Title   | Amount<br>or<br>Number<br>of Shares  |                                  | Transaction(s)<br>(Instr. 4)                                       |  |

#### Explanation of Responses:

- 1. Shares issued under the Main Street Capital Corporation 2022 Equity and Incentive Plan.
- 2. Shares withheld for payment of tax liability upon vesting of restricted shares granted under the Main Street Capital Corporation 2022 Equity and Incentive Plan. This withholding transaction was approved by the Compensation Committee of Main Street's Board of Directors in accordance with Rule 16b-3(d)(1) of the Securities Exchange Act of 1934 (the "Act"), and as such, the sale is exempt from section 16(b) of the Act pursuant to Rule 16b-3(e) promulgated thereunder.

/s/ Jason B. Beauvais, Attorney-in-Fact 04/03/2025

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.