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

| OMB APPROVAL             |           |  |  |  |  |
|--------------------------|-----------|--|--|--|--|
| DMB Number:              | 3235-0287 |  |  |  |  |
| Estimated average burden |           |  |  |  |  |
| ours per respon          | se 0.5    |  |  |  |  |

longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

| Print or Ty   | pe Response   | s)                                   |  |  |   |                        |                     |                                       |  |  |   |   |  |   |                      |
|---|---|--------------------------------------|--|--|---|------------------------|---------------------|---------------------------------------|--|--|---|---|--|---|----------------------|
| 1. Name and Address of Reporting Person * Lane Brian E. |   |                                      | 2. Issuer Name and Ticker or Trading Symbol<br>Main Street Capital CORP [MAIN] |  |   |                        |                     |                                       | 4.5  | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner |   |   |  |   |                      |
|   |   |                                      |  | 3. Date of E 05/15/201   | Date of Earliest Transaction (Month/Day/Year) 5/15/2018 |                        |                     |                                       |  |  | Officer (give title below) Other (specify below)                              |   |  |   |                      |
| (Street) HOUSTON, TX 77056                              |   |                                      | 4. If Amendment, Date Original Filed(Month/Day/Year)                           |  |   |                        |                     |                                       | 6. 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 S (Instr. 3)                                 | ecurity   |                                      | 2. Transaction<br>Date<br>(Month/Day/Year)                                     | 2A. Deemed<br>Execution Da<br>any<br>(Month/Day/                                 | ate, if   | 3. Transac             |                     | 4. Securi                             |  | iired  | 5. Amount of Securities   |   | 6. 7. Nature   |   |                      |
|   |   |                                      |  |  |   | Code                   | V                   | Amoun                                 | t (D)  | Price  |   |   |  | (Instr. 4)                                  |                      |
| Common  | Stock   |                                      | 05/15/2018   |  |   | J <u>(1)</u>           | V                   | 15.241:                               | SIA I  | \$<br>38.58  | 11,996.   | 80  |  | D   |                      |
| Common  | Stock   |                                      | 05/15/2018   |  |   | <u>J<sup>(1)</sup></u> | V                   | 28.814                                | A  | \$<br>38.5   | 12,025.   | 614   |  | D   |                      |
| indirectly.   |   |                                      |  | Derivative Se  |   | es Acquire             | con<br>the<br>ed, D | tained ir<br>form dis                 | n this for<br>splays a<br>of, or Ben   | rm are<br>currei<br>eficiali   | not req   | uired to re   | formation<br>espond un<br>atrol numb   | less  | EC 1474 (9-<br>02)   |
|   | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transactic<br>Date<br>(Month/Day, | on 3A. Deemed Execution Day (Year) any   | 4. Transa Code Year) (Instr.   | action<br>8)  | 5. Number              | Dat                 | Date Exercited Expiration on the Day/ | cisable<br>on Date<br>(Year)   | 7. Ti<br>Amo<br>Unde<br>Secu<br>(Inst:<br>4)   | tle and<br>ount of<br>erlying<br>rities<br>r. 3 and<br>Amount<br>or<br>Number | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number<br>Derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction<br>(Instr. 4) | Ownersh Form of Derivati Security Direct (I | Ownership (Instr. 4) |
|   |   |                                      |  | Code   | · V   | (A) (D)                | EXC                 | ercisable                             | Date   |  | of<br>Shares  |   |  |   |                      |
| Repor   | ting O  | wners                                |  |  |   |                        |                     |                                       |  |  |   |   |  |   |                      |
| Dono  | Owner N   | 20 / Add                             | Relatio  | onships  |   | ]                      |                     |                                       |  |  |   |   |  |   |                      |
| Reporting   | Owner Nan   | ne / Address                         |  |  |   |                        |                     |                                       |  |  |   |   |  |   |                      |

| Daniel Carron Name / Address   | Relationships |           |         |       |  |  |
|--------------------------------|---------------|-----------|---------|-------|--|--|
| Reporting Owner Name / Address | Director      | 10% Owner | Officer | Other |  |  |
| Lane Brian E.                  |               |           |         |       |  |  |
| 1300 POST OAK BLVD             | X             |           |         |       |  |  |
| 8TH FLOOR                      | Λ             |           |         |       |  |  |
| HOUSTON, TX 77056              |               |           |         |       |  |  |

## **Signatures**

| /s/ Jason B. Beauvais as Attorney-in-Fact for Brian E. Lane | 05/24/2018 |
|---|------------|
| **Signature of Reporting Person                             | Date       |

# **Explanation of Responses:**

- \* 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).
- (1) The reporting person acquired these shares under a dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.

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

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