UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): July 19, 2023

VSE CORPORATION

(Exact name of registrant as specified in its charter)

Delaware (State or Other Jurisdiction of Incorporation)

> 6348 Walker Lane Alexandria, Virginia

(Address of Principal Executive Offices)

000-03676 (Commission File Number) 54-0649263 (IRS Employer Identification Number)

22310 (Zip Code)

(703) 960-4600

(Registrant's Telephone Number, Including Area Code)

Not Applicable

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

D Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

	Trading	Name of each exchange	
Title of each class	Symbol(s)	Symbol(s) on which registered	
Common Stock, par value \$.05 per share	VSEC	The NASDAQ Global Select Market	

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934(§240.12b-2 of this chapter).

Emerging growth company \Box

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 13(a) of the Exchange Act. \Box

Item 1.01 Entry into a Material Definitive Agreement.

On July 19, 2023, VSE Corporation (the "Company") entered into an Underwriting Agreement (the "Underwriting Agreement") with RBC Capital Markets, LLC and William Blair & Company, L.L.C., acting as representatives of the several underwriters named therein (the "Underwriters"), pursuant to which the Company agreed to issue and sell (the "Offering") 2,475,000 shares (the "Firm Shares") of the Company's common stock, par value \$0.05 per share (the "Common Stock"), at a price to the public of \$48.50 per share. The Company has also granted the Underwriters a 30-day option to purchase up to an additional 371,250 shares of Common Stock (the "Optional Shares" and, together with the Firm Shares").

The Company estimates that the net proceeds from the Offering will be approximately \$112.7 million (or \$129.6 million if the Underwriters' option to purchase additional shares is exercised in full), after deducting estimated underwriting discounts and commissions and before estimated offering expenses. The Company intends to use substantially all of the net proceeds from the Offering to repay outstanding borrowings under its revolving credit facility and any remaining amounts for general corporate purposes.

The Offering was made pursuant to the Company's effective registration statement on Form S-3 (Registration No. 333-248139), which was previously filed with the Securities and Exchange Commission (the "SEC") on August 20, 2020 and declared effective by the SEC on August 31, 2020, a base prospectus dated August 31, 2020 and a prospectus supplement dated July 19, 2023.

The Underwriting Agreement contains customary representations, warranties and agreements by the Company, customary conditions to closing, indemnification obligations of the Company and the Underwriters, including for liabilities under the Securities Act of 1933, as amended, other obligations of the parties and termination provisions. The representations, warranties and covenants contained in the Underwriting Agreement were made only for purposes of such agreement and as of specific dates, were solely for the benefit of the parties to such agreement, and may be subject to limitations agreed upon by the contracting parties. Pursuant to the Underwriting Agreement, the Company's executive officers, directors and certain affiliated funds entered into lock-up agreements in substantially the form included as an exhibit to the Underwriting Agreement, providing for a 90-day "lock-up" period with respect to sales of Common Stock, subject to certain exceptions.

The foregoing description of the Underwriting Agreement is subject to, and is qualified in its entirety by, the full text of the Underwriting Agreement, a copy of which is filed as Exhibit 1.1 to this report and is incorporated by reference herein.

A copy of the opinion of Jones Day relating to the validity of the Shares issued in the Offering is filed herewith as Exhibit 5.1.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit	Description
1.1	Underwriting Agreement, dated July 19, 2023, between the Company and RBC Capital Markets, LLC and William Blair & Company, L.L.C.
5.1	Opinion of Jones Day
23.1	Consent of Jones Day (included in Exhibit 5.1)
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

VSE CORPORATION (Registrant)

Date: July 24, 2023

By: /s/ Farinaz S. Tehrani

Farinaz S. Tehrani Chief Legal Officer and Corporate Secretary

VSE Corporation

Common Stock, par value \$0.05 per share

Underwriting Agreement

July 19, 2023

RBC Capital Markets, LLC William Blair & Company, L.L.C. As Representatives of the several Underwriters named in Schedule I hereto

c/o RBC Capital Markets, LLC 200 Vesey Street New York, New York 10281-8098

c/o William Blair & Company, L.L.C. 150 North Riverside Plaza Chicago, Illinois 60606

Ladies and Gentlemen:

VSE Corporation, a Delaware corporation (the "Company"), proposes, subject to the terms and conditions stated herein, to issue and sell to the Underwriters named in Schedule I hereto (the "Underwriters") for whom RBC Capital Markets, LLC and William Blair & Company, L.L.C. are acting as representatives (the "Representatives" or "you") an aggregate of 2,475,000 shares (the "Firm Securities") and, at the election of the Underwriters, up to 371,250 additional shares (the "Optional Securities") of common stock, par value \$0.05 per share (the "Common Stock"), of the Company (the Firm Securities and the Optional Securities that the Underwriters elect to purchase pursuant to Section 2 hereof are herein collectively called the "Securities").

The Company understands that the Underwriters propose to make a public offering of their respective portions of the Securities as soon as you deem advisable.

1. The Company represents and warrants to, and agrees with, each of the Underwriters that (it being understood that any representations and warranties with respect to the equity interests and any assets of Desser-Graham Partnership, L.P. and its subsidiaries are made to the knowledge of the Company):

(a) A registration statement on FormS-3 (File No. 333-248139) (the "*Initial Registration Statement*") in respect of the Securities has been filed with the Securities and Exchange Commission (the "*Commission*") and has been declared effective by the Commission; a registration statement, if any, increasing the size of the offering (a "*Rule 462(b) Registration Statement*"), filed pursuant to Rule 462(b) under the Securities Act of 1933, as amended (the "*Act*"), became effective upon filing; no stop order suspending the effectiveness of the Initial Registration Statement, any post-effective amendment thereto or the Rule 462(b) Registration Statement, if any, has been issued and no proceeding for that purpose has been initiated or, to the Company's knowledge, threatened by the Commission (the base prospectus filed as part of the

Initial Registration Statement, in the form in which it has most recently been filed with the Commission on or prior to the date of this Agreement relating to the Securities, is hereinafter called the "Basic Prospectus"); any preliminary prospectus (including any preliminary prospectus supplement) relating to the Securities filed with the Commission pursuant to Rule 424(b) under the Act is hereinafter called a "Preliminary Prospectus"; the various parts of the Initial Registration Statement and the Rule 462(b) Registration Statement, if any, including all exhibits thereto and including any prospectus supplement relating to the Securities that is filed with the Commission and deemed by virtue of Rule 430B under the Act to be part of the Initial Registration Statement, each as amended at the time such part of the Initial Registration Statement was declared effective or such part of the Rule 462(b) Registration Statement, if any, became or hereafter becomes effective, are hereinafter collectively called the "Registration Statement"; the Basic Prospectus, as amended and supplemented immediately prior to the Applicable Time (as defined in Section 1(c) hereof), is hereinafter called the "Pricing Prospectus"; the form of the final prospectus relating to the Securities filed with the Commission pursuant to Rule 424(b) under the Act is hereinafter called the "Prospectus"; any reference herein to the Basic Prospectus, the Pricing Prospectus, any Preliminary Prospectus or the Prospectus shall be deemed to refer to and include the documents incorporated by reference therein pursuant to Item 12 of Form S-3 under the Act, as of the date of such prospectus; any reference to any amendment or supplement to the Basic Prospectus, any Preliminary Prospectus or the Prospectus shall be deemed to refer to and include any post-effective amendment to the Registration Statement, any prospectus supplement relating to the Securities filed with the Commission pursuant to Rule 424(b) under the Act and any documents filed under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and incorporated therein, in each case after the date of the Basic Prospectus, such Preliminary Prospectus or the Prospectus, as the case may be; any reference to any amendment to the Registration Statement shall be deemed to refer to and include any annual report of the Company filed pursuant to Section 13(a) or 15(d) of the Exchange Act after the effective date of the Registration Statement that is incorporated by reference in the Registration Statement; and any "issuer free writing prospectus" as defined in Rule 433 under the Act relating to the Securities is hereinafter called an "Issuer Free Writing Prospectus"; and any Issuer Free Writing Prospectus that is intended for general distribution to prospective investors, as evidenced by its being so specified on Schedule II(a) hereto, is hereinafter called a "General Use Issuer Free Writing Prospectus";

(b) No order preventing or suspending the use of the Pricing Prospectus or any Issuer Free Writing Prospectus has been issued by the Commission, and each Preliminary Prospectus, at the time of filing thereof, conformed in all material respects to the requirements of the Act and the rules and regulations of the Commission thereunder, and did not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading; provided, however, that this representation and warranty shall not apply to any statements or omissions made in reliance upon and in conformity the Underwriter Information (as defined in Section 9(b) hereof);

(c) For the purposes of this Agreement, the "*Applicable Time*" is 10:00 p.m. (New York City time) on the date of this Agreement. The Pricing Prospectus, as supplemented by the information listed in Schedule II(c) hereto and each General Use Issuer Free Writing Prospectus, taken together (collectively, the "*Pricing Disclosure Package*"), as of the Applicable Time, did not include any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading; and each Issuer Free Writing Prospectus does not conflict with the information contained in the Registration Statement, the Pricing Prospectus or the Prospectus and each such Issuer Free Writing Prospectus, as supplemented by and taken together with the Pricing Disclosure Package as of the Applicable Time, did not include any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading; provided, however, that this representation and warranty shall not apply to statements or omissions made in reliance upon and in conformity with the Underwriter Information;

(d) The documents incorporated by reference in the Pricing Disclosure Package and the Prospectus, when they became effective or were filed with the Commission, as the case may be, conformed in all material respects to the requirements of the Act or the Exchange Act, as applicable, and the rules and regulations of the Commission thereunder, and none of such documents contained an untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading; any further documents so filed and incorporated by reference in the Prospectus or any further amendment or supplement thereto, when such documents become effective or are filed with the Commission, as the case may be, will conform in all material respects to the requirements of the Act or the Exchange Act, as applicable, and the rules and regulations of the Commission thereunder and will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading; provided, however, that this representation and warranty shall not apply to any statements or omissions made in reliance upon and in conformity with the Underwriter Information; and no such documents were filed with the Commission's close of business on the business day immediately prior to the date of this Agreement and prior to the execution of this Agreement, except as set forth on Schedule II(b) hereto;

(e) The Registration Statement conforms, and the Prospectus and any further amendments or supplements to the Registration Statement and the Prospectus will conform, in all material respects to the requirements of the Act and the rules and regulations of the Commission thereunder and do not and will not, as of the applicable effective date as to each part of the Registration Statement and as of the applicable filing date as to the Prospectus and any amendment or supplement thereto, contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in the case of the Prospectus, in light of the circumstances under which they were made, not misleading; provided, however, that this representation and warranty shall not apply to any statements or omissions made in reliance upon and in conformity with the Underwriter Information;

(f) The financial statements of the Company (including all notes and schedules thereto) included in the Registration Statement and the Pricing Disclosure Package present fairly the financial position of the Company and its consolidated subsidiaries at the dates indicated, and the balance sheet, statement of income, stockholders' equity and cash flows of the Company and its consolidated subsidiaries for the periods specified and such financial statements, and related schedules and notes thereto, have been prepared in conformity with generally accepted accounting

principles ("*GAAP*"), consistently applied throughout the periods involved. The selected financial data incorporated by reference in the Pricing Disclosure Package present fairly the information shown therein at the respective dates and for the respective periods specified and have been presented on a basis consistent with the consolidated financial statements set forth in the Pricing Disclosure Package and other financial information. No other financial statements or supporting schedules are required to be included in the Registration Statement or the Pricing Disclosure Package. The other financial and related statistical information included in the Registration Statement and the Pricing Disclosure Package presents fairly in all material respects the information included there in and has been prepared on a basis consistent with that of the financial statements that are included in the Pricing Disclosure Package regarding "non-GAAP financial measures" (as such term is defined by the rules and regulations of the Commission) comply with Regulation G of the Exchange Act and Item 10 of Regulation S-K of the Act, to the extent applicable;

(g) The statistical and market-related data included in the Registration Statement and the Pricing Disclosure Package are based on or derived from sources that the Company believes to be reliable and accurate in all material respects;

(h) Except as (i) described in the Registration Statement and the Pricing Disclosure Package or (ii) would not, singly or in the aggregate, reasonably be expected to have a Material Adverse Effect (as hereinafter defined), (A) the Company and each of its subsidiaries have filed all United States federal, state, local and foreign income tax returns required by law to be filed through the date hereof and all taxes shown by such returns or otherwise assessed, which are due and payable, have been paid, other than taxes that the Company or any of its subsidiaries are contesting in good faith and as which adequate reserves have been established in accordance with GAAP; and (B) there is no deficiency that has been asserted in writing, or to the Company or any of its subsidiaries or any of their respective properties or assets other than tax deficiencies that the Company or any of its subsidiaries are contesting in good faith and as to which adequate reserves have been established in accordance with GAAP;

(i) Neither the Company nor any of its subsidiaries has sustained since the date of the latest audited financial statements included or incorporated by reference in the Pricing Disclosure Package any material loss or interference with its business, direct or contingent, including from fire, explosion, flood or other calamity, whether or not covered by insurance, or from any labor dispute or court or governmental action, order or decree, otherwise than as set forth or contemplated in the Pricing Disclosure Package; and, since the respective dates as of which information is given in the Registration Statement and the Pricing Disclosure Package; there has not been (i) any change in the capital stock or long-term debt of the Company or any of its subsidiaries, taken as a whole (other than changes pursuant to agreements or employee benefit plans or in connection with the exercise of options or warrants, in each case as described or referred to in the Pricing Disclosure Package) or (ii) any material adverse change, or any development involving a prospective material adverse change, in or affecting the properties, business, management, prospects, operations, earnings, assets, liabilities or condition (financial or otherwise) of the Company and its subsidiaries, taken as a whole (a "*Material Adverse Effect*");

(j) The Company and its subsidiaries have good and marketable title to all real property owned by them and have good title to all other property owned by them, in each case free and clear of all liens, encumbrances and defects, except such as are described in the Pricing Disclosure Package or such as do not materially affect the value of such property and do not interfere with the use made and proposed to be made of such property by the Company and its subsidiaries; and any real property and buildings held under lease by the Company and its subsidiaries are held by them under valid, subsisting and enforceable leases, with such exceptions as are not material and do not materially interfere with the use made and proposed to be made of such property and buildings by the Company and its subsidiaries;

(k) Except as disclosed in the Pricing Disclosure Package and the Prospectus, neither the Company nor any of its subsidiaries is in violation of any statute, rule, regulation, decision or order of any governmental authority or regulatory body or any court, domestic or foreign, with jurisdiction over the Company relating to the use, disposal or release of hazardous or toxic substances or relating to the protection or restoration of the environment or human exposure to hazardous or toxic substances (collectively, "*Environmental Laws*"), knowingly owns or operates any real property contaminated with any hazardous or toxic substance that requires investigation or remediation pursuant to any Environmental Laws, has received written notice of any actual or potential liability for any off-site disposal of or contamination by hazardous or toxic substances pursuant to any Environmental Laws, or is subject to any claim relating to any Environmental Laws, which violation, contamination, liability or claim would, individually or in the aggregate, have a Material Adverse Effect; and the Company has not received written notice of any pending investigation which would reasonably be expected to lead to such a claim. Neither the Company nor any of its subsidiaries anticipates incurring any material capital expenditures in the current or succeeding fiscal year relating to compliance with Environmental Laws;

(1) The Company (i) has been duly incorporated and is validly existing as a corporation in good standing under the laws of the State of Delaware, with corporate power and corporate authority to own its properties and conduct its business as described in the Pricing Disclosure Package and (ii) has been duly qualified as a foreign corporation for the transaction of business and is in good standing under the laws of each other jurisdiction in which it owns or leases properties or conducts any business so as to require such qualification, except in the case of clause (ii), where the failure to be so qualified or in good standing would not have a Material Adverse Effect; and subsidiary of the Company (x) has been duly incorporated or formed, as the case may be, and is validly existing as a corporation, limited liability company or limited partnership, as applicable, in good standing under the laws of its jurisdiction of incorporation or formation, with the company power and authority to own its properties and conduct its business as described in the Pricing Disclosure Package and (y) has been duly qualified as a foreign corporation, limited liability company or limited partnership for the transaction of business and is in good standing under the laws of each other jurisdiction in which it owns or leases properties and conduct its business as described in the Pricing Disclosure Package and (y) has been duly qualified as a foreign corporation, limited liability company or limited partnership for the transaction of business and is in good standing under the laws of each other jurisdiction in which it owns or leases properties or conducts any business os as to require such qualification, except in the case of clause (y), where the failure to be so qualified or in good standing would not have a Material Adverse Effect; and the Company does not own or control, directly or indirectly, any corporation, association or other entity other than Desser-Graham Partnership, L.P. and the subsidiaries listed in Exhibit 21 to the Com

(m) This Agreement has been duly authorized, executed and delivered by the Company;

(n) The Company has an authorized capitalization as described in its Restated Certificate of Incorporation, as amended (the 'Certificate of Incorporation'), and all of the issued shares of capital stock of the Company have been duly authorized and validly issued and are fully paid and non-assessable and, with respect to shares of Common Stock, conform to the description of the Common Stock contained in the Pricing Disclosure Package and the Prospectus and all of the issued shares of capital stock of each subsidiary of the Company, if any, have been duly authorized and validly issued and ron-assessable and are owned directly or indirectly by the Company, free and clear of all liens, encumbrances, equities or claims and there are no options, warrants or other rights to acquire shares of capital stock of any subsidiary of the Company; with respect to equity-based awards (the "Awards") granted pursuant to the equity-based compensation plans of the Company (the "Company Stock Plans"), (i) each Award intended to qualify as an "incentive stock option" under Section 422 of the Internal Revenue Code so qualifies, (ii) each grant of an Award was duly authorized no later than the date on which the grant of such Award was by its terms to be effective (the "Grant Date") by all necessary corporate action, including, as applicable, approval by the necessary number of votes or written consents, and the award agreement governing such grant (if any) was duly executed and delivered by each party thereto, (ii) each such grant was made in accordance with the terms of the Company Stock Plans, (iv) the per share exercise price of each Award was equal to the fair market value of a share of Common Stock, as determined in good faith by the board of directors of the Company Stock k, as determined in good faith by the board of directors of the Company (or a accounted for in accordance with GAAP;

(o) The Securities to be issued and sold by the Company to the Underwriters hereunder have been duly authorized and, when issued and delivered against payment therefor as provided herein, will be duly and validly issued, fully paid and non-assessable and will conform to the description of the Securities contained in the Registration Statement, the Pricing Disclosure Package and the Prospectus; and the issuance of the Securities is not subject to any preemptive or similar rights that have not been waived or complied with;

(p) The issue and sale of the Securities and the compliance by the Company with its obligations under this Agreement and the consummation of the transactions herein contemplated (i) will not conflict with or result in a breach or violation of any of the terms or provisions of, or constitute a default under, any indenture, mortgage, deed of trust, loan agreement, lease or other agreement or instrument to which the Company or any of its subsidiaries is a party or by which the Company or any of its subsidiaries is bound or to which any of the property or assets of the Company or any of its subsidiaries is subject, (ii) will not violate any of the provisions of the Certificate of Incorporation or By-laws, as amended (the "*Bylaws*"), of the Company, or the organizational documents of any subsidiary of the Company, or (iii) will not violate any of the properties, except in each case of clause (i) and (iii), to the extent that such conflict, breach, violation or default would not have a Material Adverse Effect, and (iv) will not require any consent, approval, authorization, order, registrations, orders, registrations or qualifications that

have been obtained or made and are in full force and effect, (y) the registration under the Act of the Securities, the approval by the Financial Industry Regulatory Authority ("*FINRA*") of the underwriting terms and arrangements and (z) such consents, approvals, authorizations, orders, registrations or qualifications as may be required under state securities or Blue Sky laws in connection with the purchase and distribution of the Securities by the Underwriters;

(q) Neither the Company nor any of its subsidiaries is (i) in violation of its Certificate of Incorporation, Bylaws or other organizational documents or (ii) in default in the performance or observance of any obligation, agreement, covenant or condition contained in any indenture, mortgage, deed of trust, loan agreement, lease or other agreement or instrument to which it is a party or by which it or any of its properties may be bound, except, in the case of clause (ii), to the extent that such default would not have a Material Adverse Effect;

(r) The statements set forth in the Pricing Disclosure Package and Prospectus under the caption "Description of Capital Stock," insofar as they purport to constitute a summary of the terms of the Common Stock, and under the caption "Certain U.S. Federal Income Tax Considerations for Non-U.S. Holders," insofar as they purport to describe the provisions of the laws and documents referred to therein, are accurate and complete in all material respects;

(s) Other than as set forth in the Pricing Disclosure Package, there are no legal or governmental proceedings pending to which the Company or any of its subsidiaries or, to the knowledge of the Company, any officer or director of the Company is a party or of which any property or assets of the Company or any of its subsidiaries is the subject which, if determined adversely to the Company or any of its subsidiaries or any officer or director, would individually or in the aggregate reasonably be expected to have a Material Adverse Effect; and, to the Company's knowledge, no such proceedings are threatened by any governmental authority or regulatory body or threatened by others;

(t) The Company is not and, after giving effect to the offering and sale of the Securities and the application of the proceeds thereof, will not be required to register as an "investment company," as such term is defined in the Investment Company Act of 1940, as amended (the "*Investment Company Act*");

(u) At the earliest time after the filing of the Initial Registration Statement that the Company or another offering participant made a bona fide offer (within the meaning of Rule 164(h)(2) under the Act) of the Securities, the Company was not and is not, as of the date hereof, an "ineligible issuer," as defined in Rule 405 under the Act;

(v) Grant Thornton LLP ("Grant Thornton"), who have audited certain financial statements of the Company and its subsidiaries, and have audited the Company's internal control over financial reporting and management's assessment thereof, is an independent registered public accounting firm with respect to the Company as required by the Act and the rules and regulations of the Commission thereunder and the Public Company Accounting Oversight Board (United States) (the "PCAOB");

(w) The Company maintains a system of internal control over financial reporting (as such term is defined in Rule 13a-15(f) under the Exchange Act) that (i) complies with the requirements of the Exchange Act, (ii) has been designed by the Company's principal executive officer and principal financial officer, or under their supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP and (iii) is sufficient to provide reasonable assurance that (A) transactions are executed in accordance with management's general or specific authorization, (B) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain accountability for assets, (C) access to assets is permitted only in accordance with management's general or specific authorization and (D) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences. The Company's internal control over financial reporting is effective and the Company is not aware of any "significant deficiencies" or "material weaknesses" (each as defined by the PCAOB) in its internal control over financial reporting;

(x) The Company's board of directors meets the independence requirements of, and has established an audit committee that meets the independence requirements of, the rules and regulations of the Commission and The Nasdaq Stock Market, Inc. ("*Nasdaq*");

(y) Since the date of the latest audited financial statements included or incorporated by reference in the Pricing Disclosure Package, there has been no change in the Company's internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting, provided that the Company has not yet included Desser-Graham Partnership, L.P. and its subsidiaries in its assessment of the effectiveness of its internal control over financial reporting pursuant to the Commission's general guidance that an assessment of a recently acquired business may be omitted from the scope of an assessment for one year following the acquisition;

(z) The Company maintains disclosure controls and procedures (as such term is defined in Rule 13a-15(e) under the Exchange Act) that comply with the requirements of the Exchange Act; such disclosure controls and procedures have been designed to ensure that material information relating to the Company and its subsidiaries is made known to the Company's principal executive officer and principal financial officer by others within those entities; and such disclosure controls and procedures are effective;

(aa) The Company or its subsidiaries owns, possesses, or can acquire on reasonable terms, all material Intellectual Property necessary for the conduct of the Company's or any subsidiary's business as now conducted or as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus to be conducted, and there are no unreleased liens or security interests which have been filed against any of the patents owned by the Company or its subsidiaries. Furthermore, (i) to the knowledge of the Company, there is no material infringement, misappropriation or violation by third parties of any Intellectual Property owned by or exclusively licensed to the Company or any of its subsidiaries; (ii) there is no pending or, to the knowledge of the Company, threatened, action, suit, proceeding or claim by others challenging the Company's or any subsidiary's rights in or to any Intellectual Property owned by or exclusively licensed to the Company or its subsidiaries, and the Company is unaware of any facts which would form a reasonable basis for any such claim; (iii) the Intellectual Property owned by the Company or its subsidiaries, and to the knowledge of the Company, the Intellectual Property exclusively licensed to the Company or its subsidiaries, has not been adjudged invalid or unenforceable, in whole or in part, and there is no pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim by others challenging the validity or scope of any such Intellectual Property, and the Company is not aware of any facts which would form a reasonable basis for any such claim; (iv) there is no pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim by others that the Company or any of its subsidiaries infringes, misappropriates or otherwise violates any Intellectual Property or other proprietary rights of others, neither the Company nor any of its subsidiaries has received any written notice of such claim and the Company is unaware of any other fact which would form a reasonable basis for any such claim; (v) to the knowledge of Company, the Company and its subsidiaries have compiled in all material respects with the terms of each agreement pursuant to which Intellectual Property has been licensed to the Company or its subsidiaries is in or has ever been in violation of any term of any employment contract, patent disclosure agreement, invention assignment agreement, non-competition agreement, nondication agreement, nondicabure agreement or any restrictive covenant to or with a former employer where the basis of such violation relates to such employee's employment with the Company or any of its subsidiaries or actions undertaken by the employee while employed with the Company or any of its subsidiaries, trade and service mark registrations, trade names, copyrights, licenses, inventions, trade secrets, domain names, technology, know-how and other intellectual property;

(bb) There are no off-balance sheet arrangements (as defined in Regulation S-K Item 303(a)(4)(ii)) that may have a material current or future effect on the Company's financial condition, changes in financial condition, results of operations, liquidity, capital expenditures or capital resources;

(cc) The Company and each of its subsidiaries have complied, and are presently in compliance, in all material respects, with its privacy and security policies, and with all obligations, laws and regulations regarding the collection, use, transfer, storage, protection, disposal and/or disclosure of personally identifiable information and/or any other information collected from or provided by third parties. The Company and its subsidiaries have taken commercially reasonable steps to protect the information technology systems and data used in connection with the operation of the Company and/or its subsidiaries have used commercially reasonable efforts to establish, and have established, commercially reasonable disaster recovery and security plans, procedures and facilities for the business, including, without limitation, for the information technology systems and data held or used by or for the Company and/or any of its subsidiaries. Neither the Company or any of its subsidiaries have breach or attack or other compromise of or relating to any such information technology system or data, except to the extent that such breach or attack or other compromise could not reasonably be expected to have, individually or in the aggregate, a Material Adverse Effect;

(dd) The Company and each of its subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as are, in the Company's reasonable judgment, prudent and customary in the businesses in which they are engaged; neither the Company nor any of its subsidiaries has been refused any insurance coverage sought or applied for, which refusal would be reasonably expected to have a Material Adverse Effect; and neither the Company nor any of its subsidiaries has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business at a cost that would not have a Material Adverse Effect;

(ee) There are no contracts or other documents which are required to be described in the Registration Statement, the Pricing Disclosure Package or the Prospectus or to be filed as an exhibit to the Registration Statement which have not been described or filed as required;

(ff) There are no related party transactions that would be required to be disclosed therein by Item 404 of RegulationS-K promulgated under the Act and any such related party transactions described therein are accurately described in all material respects;

(gg) No forward-looking statement (within the meaning of Section 27A of the Act and Section 21E of the Exchange Act) included or incorporated by reference in any of the Registration Statement, the Pricing Prospectus or the Prospectus has been made or reaffirmed without a reasonable basis or has been disclosed other than in good faith;

(hh) Except (i) as set forth or described in the Pricing Disclosure Package or (ii) as would not have, individually or in the aggregate, a Material Adverse Effect, none of the following events has occurred or exists: (A) a failure to fulfill the obligations, if any, under the minimum funding standards of Section 302 of the United States Employee Retirement Income Security Act of 1974, as amended ("ERISA"), and the regulations and published interpretations thereunder with respect to a Plan, determined without regard to any waiver of such obligations or extension of any amortization period; (B) an audit or investigation by the Internal Revenue Service, the U.S. Department of Labor, the Pension Benefit Guaranty Corporation or any other federal or state governmental agency or any foreign regulatory agency with respect to the employment or compensation of employees by any of the Company or any of its subsidiaries; or (C) any breach of any contractual obligation, or any violation of law, with respect to the employment or compensation of employees by the Company or any of its subsidiaries. Except (i) as set forth or described in the Pricing Disclosure Package or (ii) as would not have, individually or in the aggregate, a Material Adverse Effect, none of the following events has occurred or is reasonably likely to occur: (A) an increase in the aggregate amount of contributions required to be made to all Plans in the current fiscal year of the Company and its subsidiaries compared to the amount of such contributions made in the most recently completed fiscal year of the Company and its subsidiaries; (B) an increase in the "accumulated post-retirement benefit obligations" (within the meaning of Statement of Financial Accounting Standards 106) of the Company and its subsidiaries compared to the amount of such obligations in the most recently completed fiscal year of the Company and its subsidiaries; (C) any event or condition giving rise to a liability under Title IV of ERISA; or (D) the filing of a material claim by one or more employees or former employees of the Company or any of its subsidiaries related to their employment. For purposes of this paragraph, the term "Plan" means a plan (within the meaning of Section 3(3) of ERISA) with respect to which the Company or any of its subsidiaries may have any liability;

(ii) The operations of the Company and its subsidiaries are and have been conducted at all times in material compliance with ERISA, the rules and regulations thereunder and any related or similar rules, regulations or guidelines, issued, administered or enforced by any governmental authority or regulatory body (collectively, the "*Employee Benefit Laws*") and no action, suit or proceeding by or before any court, governmental authority or regulatory body or any arbitrator to which the Company or any of its subsidiaries is a party with respect to the Employee Benefit Laws is pending or, to the knowledge of the Company, threatened;

(jj) There are no contracts, agreements or understandings between the Company or its subsidiaries and any person that would give rise to a valid claim against the Company or any Underwriter for a brokerage commission, finder's fee or other like payment in connection with the offering of the Securities;

(kk) None of the outstanding shares of Common Stock were issued in violation of any preemptive rights, rights of first refusal or other similar rights to subscribe for or purchase securities of the Company; there are no persons with registration or other similar rights to have securities of the Company registered under the Act other than as disclosed in the Pricing Disclosure Package; and there are no persons with registration or similar rights that would require any securities of the Company to be included in the Registration Statement or in the offering contemplated hereby; there are no authorized or outstanding options, warrants, preemptive rights, rights of first refusal or other rights to purchase, or equity or debt securities convertible into or exchangeable or exercisable for, any capital stock of the Company or any of its subsidiaries other than those described in the Pricing Disclosure Package or those issued or issuable under the Company Stock Plans described in the Pricing Disclosure Package; and the description of the Company's stock option, stock bonus and other stock plans or arrangements, and the options or other rights granted thereunder, included in the Pricing Disclosure Package fairly presents the information required to be shown with respect to such plans, arrangements, options and rights;

(II) (i) Neither the Company nor any of its subsidiaries, nor any of their respective directors, officers or employees, nor, to the Company's knowledge, any agent, affiliate or representative of the Company or any of its subsidiaries, is an individual or entity that is, or is 50% or more owned or controlled by an individual or entity that is (A) the subject of any sanctions administered or enforced by the U.S. Department of the Treasury's Office of Foreign Assets Control, the United Nations Security Council, the European Union (including its member states), or His Majesty's Treasury (collectively, "*Sanctions*"), including any individual or entity listed on any Sanctions-related list that prohibits dealings with such individuals or entities, or (B) located, organized or resident in a country or territory that is the subject of comprehensive Sanctions that broadly prohibit dealings with that country or territory (as of the date of this Agreement, Cuba, Iran, North Korea, Syria and the Crimea, so-called Luhansk People's Republic and so-called Donetsk People's Republic regions of Ukraine) (collectively, use the proceeds of the offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other individual or entity (A) to fund or facilitate any activities or business of or with, or for the benefit of, any Sanctioned Person in violation of Sanctions; or (B) in any other manner that will result in a violation of Sanctions by any individual or entity (including any individual or entity participating in the offering, whether as underwriter, advisor, investor or otherwise); (iii) for the past five years, neither the Company nor any of its subsidiaries has engaged in, and is not now engaged in, any dealings or transactions with any Sanctioned Person in violation of Sanctions of Sanctions etfect;

(mm) Except as would not have, individually or in the aggregate, a Material Adverse Effect, the operations of the Company and its subsidiaries are and have been conducted in the past five years in compliance with applicable federal, state, international, foreign or other laws, regulations or government guidance regarding financial record-keeping and reporting requirements, including, without limitation, Title 18 U.S. Code Section 1956 and 1957, the Bank Secrecy Act, as amended by Title III of the Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism Act of 2001 ("USA PATRIOT Act"), the Currency and Foreign Transactions Reporting Act of 1970, as amended, the applicable money laundering statutes of jurisdictions where the Company and its subsidiaries conduct business, the applicable rules and regulations thereunder, and international anti-money laundering principles or procedures maintained by an intergovernmental group or organization, such as the Financial Action Task Force on Money Laundering, of which the United States is a member and with which designation the United States representative to the group or organization continues to concur, all as amended, and any Executive order, directive or regulation pursuant to the authority of any of the foregoing, or any orders or licenses issued thereunder and any related or similar rules, regulations or guidelines, issued, administered or enforced by any governmental authority, regulatory body, court or any arbitrator involving the Company or any of its subsidiaries with respect to the Money Laundering Laws is pending or, to the knowledge of the Company, threatened;

(nn) Neither the Company nor any of its subsidiaries, nor any of their respective directors, officers or employees nor, to the Company's knowledge, any agent or affiliate of the Company or any of its subsidiaries, while associated with or acting on behalf of the Company or any subsidiary, has taken any action, directly or indirectly, that would result in a violation by such persons of the Foreign Corrupt Practices Act of 1977, as amended, and the rules and regulations thereunder (the "*FCPA*"), including, without limitation, making use of the mails or any means or instrumentality of interstate commerce corruptly in furtherance of an offer, payment, promise to pay or authorization of the payment of any money, or other property, gift, promise to give, or authorization of the giving of anything of value to any "foreign official" (as such term is defined in the FCPA) or any foreign political party or official thereof or any candidate for foreign political office, in contravention of the FCPA. The Company and its subsidiaries have conducted their businesses in compliance with the FCPA. The Company and its subsidiaries have conducted their businesses in reasonably expected to continue to ensure, continued compliance therewith;

(oo) Except as would not have, individually or in the aggregate, a Material Adverse Effect, neither the Company nor any of its subsidiaries, nor any of their respective directors, officers or employees, nor, to the Company's knowledge, any agent or affiliate of the Company or any of its subsidiaries, while acting for or on behalf of the Company or any subsidiary, has taken any action, directly or indirectly, that would result in a violation by such persons of applicable Export and Import Laws (as defined below) and, except as would not have, individually or in the aggregate, a Material Adverse Effect, there are no claims, complaints, charges, investigations or proceedings pending or, to the knowledge of the Company, expected or threatened between the

Company or any of its subsidiaries and any governmental authority under any Export or Import Laws. The term "*Export and Import Laws*" means the Arms Export Control Act, the International Traffic in Arms Regulations, the Export Control Reform Act of 2018, the Export Administration Regulations, the customs and import regulations administered and enforced by U.S. Customs and Border Protection (19 C.F.R. Part 0 *et seq.*), and all other applicable laws and regulations of the United States government regulating the provision of services to non-United States parties or the export and import of articles or information from and to the United States of America, and all applicable similar laws and regulations of any foreign government regulating the provision of services to parties not of the foreign country or the export and import of articles and information from and to the foreign country to parties not of the foreign country is parties and import of articles and information from and to the foreign country to parties not of the foreign country is parties and import of articles and information from and to the foreign country to parties not of the foreign country is parties and import of articles and information from and to the foreign country is parties not of the foreign country is parties not of the foreign country is parties and import of articles and information from and to the foreign country is parties not of the foreign country is parties not par

(pp) No payment has been made by the Company or its subsidiaries, or by any person authorized to act on their behalf, to any person in connection with any contracts with any governmental entity or regulatory agency ("Government Contracts") in violation of applicable procurement laws or regulations. The Company's and its subsidiaries' cost accounting and procurement systems with respect to Government Contracts are in compliance in all material respects with all applicable governmental regulations. With respect to each Government Contract, in the past three years: (i) the Company and each subsidiary have complied with all material terms and conditions of such Government Contract, including all clauses, provisions and requirements incorporated expressly, by reference or by operation of law therein; (ii) the Company and each subsidiary have complied with all material requirements of applicable laws pertaining to such Government Contract; (iii) all representations and certifications executed, acknowledged or set forth in or pertaining to such Government Contract were complete and correct in all material respects as of their effective date, and the Company and each subsidiary have complied in all material respects with all such representations and certifications; (iv) neither the United States government nor any prime contractor, subcontractor or other person has notified the Company or any subsidiary, either in writing or to the Company's knowledge, orally, that the Company or any subsidiary has breached or violated any applicable law, or any material certification, representation, clause, provision or requirement pertaining to such Government Contract; and (v) no termination for default, cure notice or show cause notice is in effect as of the date hereof pertaining to any Government Contract. Neither the Company nor any of its subsidiaries nor any of their respective directors, officers or employees is (or during the last three years has been) under administrative, civil or criminal investigation, or indictment by any governmental authority with respect to any alleged irregularity, misstatement or omission arising under or relating to any Government Contract. During the last three years, neither the Company nor any of its subsidiaries has made a voluntary disclosure to the United States government with respect to any alleged irregularity, misstatement or omission arising under or relating to any Government Contract. To the Company's knowledge, there are no outstanding claims against the Company or any subsidiary, either by the United States government or by any prime contractor, subcontractor, vendor or other third party arising under or relating to any Government Contract. There are no active material disputes between the Company or any subsidiary and the United States government under the Contract Disputes Act or any other statute relating to any Government Contract or between the Company or any subsidiary and any prime contractor, subcontractor or vendor arising under or relating to any Government Contract. Neither the Company nor any subsidiary nor, to the Company's knowledge, any of its or the subsidiary's directors, officers or employees is (or during the last three years has been) suspended or debarred from doing business with the United States government or is (or during such period was) the subject of a finding of non-responsibility or ineligibility for United States government contracting. There is no suit or investigation pending and, to the Company's knowledge, no suit or investigation threatened against the Company or any subsidiary with respect to any Government Contract;

(qq) The Company and each of its subsidiaries are in compliance in all material respects with all applicable laws, regulations or other requirements of the U.S. Federal Aviation Administration, the European Aviation Safety Agency and similar aviation regulatory bodies (collectively, "*Aviation Laws*"). Neither the Company nor any of its subsidiaries has received any written, or to the knowledge of the Company, other notice of a failure to comply in all material respects with applicable Aviation Law;

(rr) The Securities qualify as an "actively-traded security" exempted from the requirements of Rule 101 of Regulation M under the 1934 Act by subsection (c)(1) of such rule;

(ss) The Company is in compliance with all applicable provisions of the Sarbanes-Oxley Act of 2002, as amended, and the rules and regulations of the Commission thereunder;

(tt) The interactive data in eXtensbile Business Reporting Language incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus fairly presents the information called for in all material respects and has been prepared in accordance with the Commission's rules and guidelines applicable thereto;

(uu) The Company, or any of its subsidiaries, is not a party to and does not have any ongoing reporting obligations pursuant to any corporate integrity agreements, monitoring agreements, deferred prosecution agreements, consent decrees, settlement orders, plan or correction or similar agreements with or imposed by any governmental authority or regulatory body;

(vv) The Company and each of its subsidiaries meet all applicable third-party payor requirements and conditions of participation and are a party to valid participation or other agreements required for payment by such third-party payor programs. There are no material suspensions, offsets or recoupments of any third-party payor payments being sought, requested or claimed, or to the Company's knowledge, threatened against the Company or any of its subsidiaries. As of the date of this Agreement, neither the Company nor any subsidiary has received any written notice of denial of material payment, recoupment, or overpayment from any third-party payor in excess of \$100,000. There is no Action pending or received or, to the knowledge of the Company, threatened, against any Company or subsidiary which relates in any way to a material violation of any legal requirement pertaining to the third party payors or which could result in the imposition of material penalties, termination or the exclusion of the Company or any of its subsidiaries from participation in any third-party payor agreement;

(ww) No relationship, direct or indirect, exists between or among the Company or any of its subsidiaries, on the one hand, and the directors, officers, stockholders, customers or suppliers of the Company or any of its subsidiaries, on the other, that is required by the Act to be described in the Registration Statement and the Prospectus and that is not so described in such documents and in the Pricing Disclosure Package;

(xx) (i) Except as described in the Pricing Disclosure Package or the Registration Statement, there has been no material security breach or incident, unauthorized access or disclosure, or other compromise of or relating to the Company's or its subsidiaries' information technology and computer systems, networks, hardware, software, data and databases (including the data and information of their respective customers, employees, suppliers, vendors and any third-party data maintained, processed or stored by the Company and its subsidiaries, and any such data processed or stored by third parties on behalf of the Company and its subsidiaries), equipment or technology (collectively, "*IT Systems and Data*"), except for those that have been remedied without material cost or liability; (ii) neither the Company nor its subsidiaries have been notified of, and have no knowledge of any event or condition that would reasonably be expected to result in, any material security breach or incident, unauthorized access or disclosure or other compromise to their IT Systems and Data; and (iii) the Company and its subsidiaries, taken as a whole, have implemented commercially reasonable controls, policies, procedures and technological safeguards to maintain and protect the integrity, continuous operation, redundancy and security of their IT Systems and Data reasonably consistent with industry standards and practices, or as required by applicable regulatory standards. The Company and its subsidiaries are presently in material compliance with all applicable laws or statutes and all judgments, orders, rules and regulations of any governmental authority or regulatory body, internal policies and contractual obligations relating to the privacy and security of IT Systems and Data and to the protection of such IT Systems and Data from unauthorized use, access, misappropriation or modification;

(yy) Except as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company has not sold, issued or distributed any shares of Common Stock during the six month period preceding the date hereof, including any sales pursuant to Rule 144A under, or Regulation D or S of, the Act, other than shares issued pursuant to Company Stock Plans; and

(zz) There are no debt securities or preferred stock issued, or guaranteed by, the Company or any of its subsidiaries that are rated by a "nationally recognized statistical rating organization," as such term is defined in Section 3(a)(62) of the Exchange Act.

2. Subject to the terms and conditions herein set forth, (a) the Company agrees to issue and sell to each of the Underwriters, and each of the Underwriters agrees, severally and not jointly, to purchase from the Company, at a purchase price per share of \$45.5171, the number of Firm Securities set forth opposite the name of such Underwriter in Schedule I hereto and (b) in the event and to the extent that the Underwriters shall exercise the election to purchase Optional Securities as provided below, the Company agrees to issue and sell to each of the Underwriters, and each of the Underwriters agrees, severally and not jointly, to purchase from the Company agrees to issue and sell to each of the Underwriters, and each of the Underwriters agrees, severally and not jointly, to purchase from the Company agrees to issue and sell to each of the Underwriters, and each of the Underwriters agrees, severally and not jointly, to purchase from the Company agrees to issue and sell to each of the Underwriters, and each of the Underwriters agrees, severally and not jointly, to purchase from the Company, at the purchase price per share set forth in clause (a) of this Section 2, that portion of the number of Optional Securities as to which such election shall have been exercised (to be adjusted by you so as to eliminate fractional shares) determined by multiplying such number of Optional Securities by a fraction, the numerator of which is the maximum number of Optional Securities which such Underwriter is entitled to purchase as set forth opposite the name of such Underwriter in Schedule I hereto and the denominator of which is the maximum number of Optional Securities that all of the Underwriters are entitled to purchase hereunder.

The Company hereby grants to the Underwriters the right to purchase at their election up to 371,250 Optional Securities, at the purchase price per share set forth in the paragraph above, provided that the purchase price per Optional Share shall be reduced by an amount per share equal to any dividends or distributions declared by the Company and payable on the Firm Securities but not payable on the Optional Securities. Any such election to purchase Optional Securities may be exercised only by written notice from you to the Company, given within a period of 30 calendar days after the date of this Agreement, setting forth the aggregate number of Optional Securities to be purchased and the date on which such Optional Securities are to be delivered, as determined by you but in no event earlier than the First Time of Delivery (as defined in Section 4 hereof) or, unless you and the Company otherwise agree in writing, earlier than two or later than ten business days after the date of such notice.

3. Upon the authorization by you of the release of the Firm Securities, the several Underwriters propose to offer the Firm Securities for sale upon the terms and conditions set forth in the Prospectus.

4. (a) The Securities to be purchased by each Underwriter hereunder, in definitive form, and in such authorized denominations and registered in such names as the Representatives may request upon at least forty-eight hours' prior notice to the Company shall be delivered by or on behalf of the Company to the Representatives, through the facilities of the Depository Trust Company ("*DTC*"), for the account of such Underwriter, against payment by or on behalf of such Underwriter of the purchase price therefor by wire transfer of Federal (same-day) funds to the account specified by the Company to the Representatives at least forty-eight hours in advance. The time and date of such delivery and payment shall be, with respect to the Firm Securities, 9:00 a.m., New York City time, on July 24, 2023 or such other time and date as the Representatives and the Company may agree upon in writing, and, with respect to the Optional Securities, 9:00 a.m., New York City time, on the date specified by the Representatives in the written notice given by the Representatives of the Underwriters' election to purchase such Optional Securities, or such other time and date as the Representatives in the written notice given by the Representatives of the Underwriters' election to purchase such Optional Securities is herein called the "*First Time of Delivery*", such time and date for delivery of the Firm Securities is herein called the "*Second Time of Delivery*", and each such time and date for delivery is herein called a "*Time of Delivery*".

(b) The documents to be delivered at each Time of Delivery by or on behalf of the parties hereto pursuant to Section 8 hereof, including the crossreceipt for the Securities and any additional documents requested by the Underwriters pursuant to Section 8(l) hereof, will be delivered at the offices of Goodwin Procter LLP (the "*Closing Location*"), and the Securities will be delivered at the office of DTC (or its designated custodian), all at such Time of Delivery. A meeting will be held at the Closing Location at 5:00 p.m., New York City time, on the New York Business Day immediately preceding such Time of Delivery, at which meeting the final drafts of the documents to be delivered pursuant to the preceding sentence will be available for review by the parties hereto.

5. The Company agrees with each of the Underwriters:

(a) To prepare the Prospectus in a form approved by you and to file such Prospectus pursuant to Rule 424(b) under the Act not later than the Commission's close of business on the second business day following the execution and delivery of this Agreement or such earlier time as may be required under the Act; to notify you promptly if the Company intends to make any further amendment or any supplement to the Registration Statement, the Basic Prospectus or the Prospectus (excluding, for the purpose of this provision, any document incorporated by reference therein) prior to the last Time of Delivery and to make no amendment or supplement to the Registration Statement, the Basic Prospectus or the Prospectus without providing you with a reasonable time to review and comment upon such filing; to advise you, promptly after it receives notice thereof, of the time when any amendment to the Registration Statement has been filed or becomes effective or any amendment or supplement to the Prospectus has been filed, in each case prior to the last Time of Delivery, and to furnish you with copies thereof; to file promptly all other material required to be filed by the Company with the Commission pursuant to Rule 433(d) under the Act, within the time required by such rule; to file promptly all reports and any definitive proxy or information statements required to be filed by the Company with the Commission pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act subsequent to the date of the Prospectus and for so long as the delivery of a prospectus (or in lieu thereof, the notice referred to in Rule 173(a) under the Act) is required in connection with the offering or sale of the Securities; to advise you, promptly after it receives notice thereof, prior to the last Time of Delivery, of the issuance by the Commission of any stop order or of any order preventing or suspending the use of any prospectus in respect of the Securities, of the suspension of the qualification of the Securities for offering or sale in any jurisdiction, of the initiation or threatening of any proceeding for any such purpose, or of any request by the Commission for the amending or supplementing of the Registration Statement or the Prospectus or for additional information; and, in the event of the issuance of any stop order or of any order preventing or suspending the use of any prospectus in respect of the Securities or suspending any such qualification, to promptly use its best efforts to obtain the withdrawal of such order;

(b) Promptly from time to time to take such action as you may reasonably request to qualify the Securities for offering and sale under the securities laws of such jurisdictions as you may request and to comply with such laws so as to permit the continuance of sales and dealings therein in such jurisdictions for as long as may be necessary to complete the distribution of the Securities, provided that in connection therewith the Company shall not be required to qualify as a foreign corporation or to file a general consent to service of process in any jurisdiction or subject itself to taxation in any jurisdiction in which it is not otherwise subject to taxation on the date hereof;

(c) Prior to 10:00 a.m., New York City time, on the New York Business Day next succeeding the date of this Agreement and from time to time, to furnish the Underwriters with written and electronic copies of the Prospectus in New York City in such quantities as you may reasonably request, and, if the delivery of a prospectus (or in lieu thereof, the notice referred to in Rule 173(a) under the Act) is required at any time prior to the expiration of nine months after the time of issue of the Prospectus in connection with the offering or sale of the Securities, and if you have notified the Company that the delivery of a prospectus is required after the last Time of Delivery, and if at such time any event shall have occurred as a result of which the Prospectus as then amended or supplemented would include an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the

circumstances under which they were made when such Prospectus (or in lieu thereof, the notice referred to in Rule 173(a) under the Act) is delivered, not misleading, or, if for any other reason it shall be necessary during such same period to amend or supplement the Prospectus or to file under the Exchange Act any document incorporated by reference in the Prospectus in order to comply with the Act or the Exchange Act, to notify you and upon your request to file such document and to prepare and furnish without charge to each Underwriter and to any dealer in securities as many written and electronic copies as you may from time to time reasonably request of an amended Prospectus or a supplement to the Prospectus which will correct such statement or omission or effect such compliance; and in case any Underwriter is required to deliver a prospectus (or in lieu thereof, the notice referred to in Rule 173(a) under the Act) in connection with sales of any of the Securities at any time nine months or more after the time of issue of the Prospectus, upon your request but at the expense of such Underwriter, to prepare and deliver to such Underwriter as many written and electronic copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented Prospectus copies as you may request of an amended or supplemented

(d) To make generally available to its securityholders as soon as practicable, but in any event not later than sixteen months after the effective date of the Registration Statement (as defined in Rule 158(c) under the Act), an earnings statement of the Company and its subsidiaries (which need not be audited) complying with Section 11(a) of the Act and the rules and regulations of the Commission thereunder (including, at the option of the Company, Rule 158);

(e) During the period beginning from the date hereof and continuing to and including the date 90 days after the date of the Prospectus (the Lock-Up Period"), not to (i) offer, sell, contract to sell, pledge, grant any option to purchase, make any short sale or otherwise transfer or dispose of, directly or indirectly, or file with the Commission a registration statement under the Act relating to, any securities of the Company that are substantially similar to the Securities, including but not limited to any options or warrants to purchase shares of Common Stock or any securities that are convertible into or exchangeable for, or that represent the right to receive, Common Stock, or any such substantially similar securities, or publicly disclose the intention to make any offer, sale, pledge, disposition or filing or (ii) enter into any swap or other agreement that transfers, in whole or in part, any of the economic consequences of ownership of the Common Stock, or any such other securities, whether any such transaction described in clause (i) or (ii) above is to be settled by delivery of Common Stock or such other securities, in cash or otherwise, without the prior written consent of the Representatives (other than (A) the Securities to be sold to the Underwriters hereunder, (B) the issuance of options, warrants, restricted stock units, restricted stock or other equity awards to acquire shares of Common Stock granted pursuant to the Company Stock Plans that are described in the Prospectus, as such plans may be amended, (C) the issuance of shares of Common Stock upon the exercise or vesting of any such options, warrants, restricted stock or other equity awards to acquire shares of Common Stock, (D) shares of Common Stock issued upon exercise of outstanding warrants, (E) the filing of one or more Registration Statements on Form S-8 registering securities pursuant to the Company Stock Plans), (F) the issuance or sale of Common Stock, or securities convertible into or exchangeable for, Common Stock as consideration for mergers, acquisitions, other business combinations, joint ventures, strategic alliances and other business transactions occurring after the date of this Agreement, provided that the aggregate number of shares of Common Stock, or securities convertible into or exchangeable for Common Stock, that the Company may issue or sell pursuant to this clause (F) shall not exceed 5% of the total number of shares of Common Stock outstanding as of the First Time of Delivery immediately following the issuance and sale of the Securities pursuant to this Agreement:

(f) If the Company elects to rely upon Rule 462(b), the Company shall file a Rule 462(b) Registration Statement with the Commission in compliance with Rule 462(b) by 10:00 p.m., Washington, D.C. time, on the date of this Agreement, and the Company shall at the time of filing either pay the Commission the filing fee for the Rule 462(b) Registration Statement or give irrevocable instructions for the payment of such fee pursuant to Rule 111(b) under the Act;

(g) To use the net proceeds received by it from the sale of the Securities pursuant to this Agreement in the manner specified in the Pricing Prospectus under the caption "Use of Proceeds";

(h) To use its best efforts to list, subject to notice of issuance, the Securities on the Nasdaq;

(i) Upon request of any Underwriter, to furnish, or cause to be furnished, to such Underwriter an electronic version of the Company's trademarks, servicemarks and corporate logo for use on the website, if any, operated by such Underwriter for the purpose of facilitating the on-line offering of the Securities (the "*License*"); provided, however, that the License shall be used solely for the purpose described above, is granted without any fee and may not be assigned or transferred; and

(j) The Company has satisfied and agrees that it will satisfy the conditions in Rule 433 to avoid a requirement to file with the Commission any electronic road show.

6. (a) The Company represents and agrees that, without the prior consent of the Representatives, it has not made and will not make any offer relating to the Securities that would constitute a "free writing prospectus" as defined in Rule 405 under the Act, other than any such free writing prospectus the use of which has been consented to by the Representatives and which is listed on Schedule II(a) hereto; each Underwriter represents and agrees that, without the prior consent of the Company and the Representatives, it has not made and will not make any offer relating to the Securities that would constitute a free writing prospectus, other than any such free writing prospectus the use of which has been consented to by the Company and the Representatives is listed on Schedule II(a) hereto;

(b) The Company has complied and will comply with the requirements of Rule 433 under the Act applicable to any Issuer Free Writing Prospectus, including timely filing with the Commission or retention where required and legending; and

(c) The Company agrees that if at any time following issuance of an Issuer Free Writing Prospectus any event occurred or occurs as a result of which such Issuer Free Writing Prospectus would conflict with the information in the Registration Statement, the Pricing Disclosure Package or the Prospectus or would include (when considered together with the Pricing Disclosure Package) an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances then prevailing, not misleading, the Company will give prompt notice thereof to the Representatives and, if requested by the Representatives, will prepare and furnish without charge to each Underwriter an Issuer Free Writing Prospectus or other document which will correct such conflict, statement or omission; provided, however, that this representation and warranty shall not apply to any statements or omissions in an Issuer Free Writing Prospectus made in reliance upon and in conformity with the Underwriter Information;

7. The Company covenants and agrees with the several Underwriters that the Company will pay or cause to be paid the following: (i) the fees, disbursements and expenses of the Company's counsel and accountants in connection with the registration of the Securities under the Act and all other expenses in connection with the preparation, printing, reproduction and filing of the Registration Statement, the Basic Prospectus, the Pricing Prospectus, any Issuer Free Writing Prospectus and the Prospectus and amendments and supplements thereto and the mailing and delivering of copies thereof to the Underwriters and dealers; (ii) the cost of printing or producing any Agreement among Underwriters, this Agreement, the Blue Sky survey, closing documents (including any compilations thereof) and any other documents in connection with the offering, purchase, sale and delivery of the Securities; (iii) all expenses in connection with the qualification of the Securities for offering and sale under state securities laws, including the fees and disbursements of counsel for the Underwriters in connection with such qualification and in connection with the Blue Sky survey; (iv) all fees and expenses in connection with listing the Securities on the Nasdaq; (v) the filing fees incident to, and the fees and disbursements of counsel for the Underwriters in connection with, any required review by FINRA of the terms of the sale of the Securities, but in no event shall such fees exceed \$25,000; (vi) the cost of preparing stock certificates, if applicable; (vii) the cost and charges of any transfer agent or registrar; (viii) the costs and expenses of the Company relating to investor presentations on any "road show" undertaken in connection with the marketing of the Securities, including without limitation, expenses associated with the production of road show slides and graphics, fees and expenses of any consultants engaged in connection with the road show presentations, travel and lodging expenses of the representatives and officers of the Company and any such consultants; (ix) all reasonable and documented fees and expenses of the Underwriters incurred in connection with this Agreement and the offering of the Securities, including fees and expenses of legal counsel for the Underwriters not to exceed \$100,000; and (x) all other costs and expenses incident to the performance of its obligations hereunder which are not otherwise specifically provided for in this Section 7. It is understood, however, that, except as provided in this Section 7, Sections 9 and 12 hereof, the Underwriters will pay all of their own costs and expenses, including the fees of their counsel, transfer taxes on resale of any of the Securities by them, and any advertising expenses connected with any offers they may make.

8. The obligations of the Underwriters hereunder, as to the Securities to be delivered at each Time of Delivery, shall be subject, in their discretion, to the condition that all representations and warranties and other statements of the Company herein are, at and as of such Time of Delivery, true and correct, the condition that the Company shall have performed all of its obligations hereunder theretofore to be performed, and the following additional conditions:

(a) The Prospectus shall have been filed with the Commission pursuant to Rule 424(b) under the Act within the applicable time period prescribed for such filing by the rules and regulations under the Act and in accordance with Section 5(a) hereof; all material required to be filed by the Company pursuant to Rule 433(d) under the Act shall have been filed with the Commission within the applicable time period prescribed for such filings by Rule 433; if the

Company has elected to rely upon Rule 462(b) under the Act, the Rule 462(b) Registration Statement shall have become effective by 10:00 p.m., Washington, D.C. time, on the date of this Agreement; no stop order suspending the effectiveness of the Registration Statement or any part thereof shall have been issued and no proceeding for that purpose shall have been initiated or threatened by the Commission; no stop order suspending or preventing the use of the Prospectus or any Issuer Free Writing Prospectus shall have been initiated or threatened by the Commission; and all requests for additional information on the part of the Commission shall have been complied with to your reasonable satisfaction;

(b) Goodwin Procter LLP, counsel for the Underwriters, shall have furnished to you such written opinion or opinions, dated such Time of Delivery, in form and substance satisfactory to you, with respect to the matters you may reasonably request, and such counsel shall have received such papers and information as they may reasonably request to enable them to pass upon such matters;

(c) (i) Jones Day, counsel for the Company, shall have furnished to you their written opinion and a negative assurance letter dated such Time of Delivery, in form and substance satisfactory to you and (ii) the Chief Legal Officer and Corporate Secretary of the Company shall have furnished to you his written opinion dated such Time of Delivery, in form and substance satisfactory to you;

(d) On the date of the Prospectus at a time prior to the execution of this Agreement and also at each Time of Delivery, Grant Thornton shall have furnished to you a comfort letter or letters, dated the respective dates of delivery thereof, in form and substance satisfactory to you;

(e) On the date of the Prospectus at a time prior to the execution of this Agreement and also at each Time of Delivery, the Company shall have furnished or caused to be furnished to you a certificate of the Chief Financial Officer of the Company, dated the respective dates of delivery thereof, substantially in the form attached hereto as Annex II hereof;

(f) (i) Neither the Company nor any of its subsidiaries shall have sustained since the date of the latest audited financial statements included or incorporated by reference in the Pricing Disclosure Package any loss or interference with its business from fire, explosion, flood or other calamity, whether or not covered by insurance, or from any labor dispute or court or governmental action, order or decree, otherwise than as set forth or contemplated in the Pricing Disclosure Package, and (ii) since the respective dates as of which information is given in the Pricing Disclosure Package there shall not have been any change in the capital stock or long-term debt of the Company or any of its subsidiaries or any change, or any development involving a prospective change, in or affecting the properties, business, management, prospects, operations, earnings, assets, liabilities or condition (financial or otherwise) of the Company and its subsidiaries, otherwise than as set forth or contemplated in the Pricing Disclosure Package, the effect of which, in any such case described in clause (i) or (ii), is in your judgment so material and adverse as to make it impracticable or inadvisable to proceed with the public offering or the delivery of the Securities being delivered at such Time of Delivery on the terms and in the manner contemplated in the Prospectus;

(g) On or after the Applicable Time there shall not have occurred any of the following: (i) a suspension or material limitation in trading in securities generally on the New York Stock Exchange or on the Nasdaq; (ii) any downgrading in the rating of any debt securities of the Company by any "nationally recognized statistical rating organization" (as defined for purposes of Rule 436(g)(2) under the Exchange Act), or any public announcement that any such organization has under surveillance or review its rating of any debt securities of the Company (other than an announcement with positive implications of a possible upgrading, and no implication of a possible downgrading, of such rating); (iii) a suspension or material limitation in trading in the Company's securities on the Nasdaq; (iv) a general moratorium on commercial banking activities declared by either Federal or New York authorities or a material disruption in commercial banking or securities settlement or clearance services in the United States; (v) the outbreak or escalation of hostilities involving the United States or elsewhere, if the effect of any such event specified in clause (v) or (vi) in your judgment makes it impracticable or inadvisable to proceed with the public offering or the delivery of the Securities being delivered at such Time of Delivery on the terms and in the manner contemplated in the Prospectus;

(h) The Company shall have filed a Notification: Listing of Additional Shares with Nasdaq with respect to the Securities to be sold at such Time of Delivery and shall have received no objection thereto from Nasdaq;

(i) The Company shall have obtained and delivered to the Underwriters executed copies of a lock-up letter from the persons and entities listed on Schedule III hereto, substantially to the effect set forth in Annex III hereof;

(j) The Company shall have complied with the provisions of Section 5(c) hereof with respect to the furnishing of prospectuses on the New York Business Day next succeeding the date of this Agreement;

(k) The Company shall have furnished or caused to be furnished to you at such Time of Delivery a certificate of the Chief Executive Officer and the Chief Financial Officer of the Company satisfactory to you as to the accuracy of the representations and warranties of the Company herein at and as of such time, as to the performance by the Company of all of its obligations hereunder to be performed at or prior to such time, as to the matters set forth in subsections (a), (f) and (h) of this Section 8 and as to such other matters as you may reasonably request;

(1) The Company will furnish the Representatives with any additional opinions, certificates, letters and documents as the Representatives reasonably request and conformed copies of documents delivered pursuant to this Section 8. The Representatives may in their sole discretion waive on behalf of the Underwriters compliance with any conditions to the obligations of the Underwriters hereunder.

9. (a) The Company will indemnify and hold harmless each Underwriter against any losses, claims, damages or liabilities, joint or several, to which such Underwriter may become subject, under the Act or otherwise, insofar as such losses, claims, damages or liabilities (or actions in respect thereof) (i) arise out of or are based upon an untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Disclosure Package or the Prospectus, or any amendment or supplement thereto, any Issuer Free Writing Prospectus or any "issuer information" filed or required to be filed pursuant to Rule 433(d) under the Act, or any road show as defined in Rule 433(h) under the Act (a "*road show*"), or (ii) arise out of or are based upon the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, and will reimburse each Underwriter for any legal or other expenses reasonably incurred by such Underwriter in connection with investigating or defending any such action or claim as such expenses are incurred; provided, however, that the Company shall not be liable in any such case to the extent that any such loss, claim, damage or liability arises out of or is based upon an untrue statement or alleged on make in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Disclosure Package or the Prospectus, or any amendment or supplement thereto, or any Issuer Free Writing Prospectus, in reliance upon and in conformity with the Underwriter Information.

(b) Each Underwriter will indemnify and hold harmless the Company against any losses, claims, damages or liabilities to which the Company may become subject, under the Act or otherwise, insofar as such losses, claims, damages or liabilities (or actions in respect thereof) (i) arise out of or are based upon an untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Disclosure Package or the Prospectus, or any amendment or supplement thereto, or any Issuer Free Writing Prospectus, or any road show or (ii) arise out of or are based upon the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, in each case to the extent, but only to the extent, that such untrue statement or alleged untrue statement or omission or alleged omission Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Disclosure Package or the Prospectus or any Issuer Free Writing Prospectus, and untrue statement or alleged untrue statement or omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, in each case to the extent, but only to the extent, that such untrue statement or alleged untrue statement or omission or alleged omission was made in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Disclosure Package or the Prospectus or any such amendment or supplement thereto, or any Issuer Free Writing Prospectus, in reliance upon and in conformity with written information furnished to the Company by such Underwriter through the Representatives expressly for use therein, it being understood and agreed that the only such information provided by any Underwriter through the Representatives is the information contained in the second sentence of the eleventh paragraph and the first sentence of the

(c) Promptly after receipt by an indemnified party under subsection (a) or (b) above of notice of the commencement of any action, such indemnified party shall, if a claim in respect thereof is to be made against the indemnifying party under such subsection, notify the indemnifying party in writing of the commencement thereof; but the omission so to notify the indemnifying party shall not relieve it from any liability which it may have to any indemnified party under such subsection, except to the extent that the indemnifying party has been materially prejudiced by such failure. In case any such action shall be brought against any indemnified party and it shall notify the indemnifying party of the commencement thereof, the indemnifying party shall be entitled to participate therein and, to the extent that it shall wish, jointly with any other

indemnifying party similarly notified, to assume the defense thereof, with counsel reasonably satisfactory to such indemnified party (who shall not, except with the consent of the indemnified party, be counsel to the indemnifying party), and, after notice from the indemnifying party to such indemnified party of its election so to assume the defense thereof, the indemnifying party shall not be liable to such indemnified party under such subsection for any legal expenses of other counsel or any other expenses, in each case subsequently incurred by such indemnified party, in connection with the defense thereof other than reasonable costs of investigation; provided, however, that if, in the sole judgment of the Representatives, it is advisable for the Underwriters to be represented as a group by separate counsel, the Representatives shall have the right to employ a single counsel (in addition to local counsel) to represent the Representatives and all Underwriters that may be subject to liability arising from any claim in respect of which indemnity may be sought by the Underwriters under subsection (a) above, in which event the indemnifying party shall not have the right to assume the defense of such action and the reasonable fees and expenses of such separate counsel shall be borne by the indemnifying party or parties and reimbursed to the Underwriters as incurred. No indemnifying party shall, without the written consent of the indemnified party, effect the settlement or compromise of, or consent to the entry of any judgment with respect to, any pending or threatened action or claim in respect of which indemnification or contribution may be sought hereunder (whether or not the indemnified party is an actual or potential party to such action or claim) unless such settlement, compromise or judgment (i) includes an unconditional release of the indemnified party from all liability arising out of such action or claim and (ii) does not include a statement as to or an admission of fault, culpability or a failure to act, by or on behalf of any indemnified party. Notwithstanding the foregoing, if at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel pursuant to this Section 9(c), such indemnifying party agrees that it shall be liable for any settlement effected without its written consent if (i) such settlement is entered into more than 45 days after receipt by such indemnifying party of the aforesaid request and (ii) such indemnifying party shall not have reimbursed such indemnified party in accordance with such request prior to the date of such settlement.

(d) If the indemnification provided for in this Section 9 is unavailable to or insufficient to hold harmless an indemnified party under subsection (a) or (b) above in respect of any losses, claims, damages or liabilities (or actions in respect thereof) referred to therein, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of such losses, claims, damages or liabilities (or actions in respect thereof) referred to therein, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of such losses, claims, damages or liabilities (or actions in respect thereof) in such proportion as is appropriate to reflect the relative benefits received by the Company on the one hand and the Underwriters on the other from the offering of the Securities. If, however, the allocation provided by the immediately preceding sentence is not permitted by applicable law or if the indemnified party failed to give the notice required under subsection (c) above, then each indemnifying party shall contribute to such amount paid or payable by such indemnified party in such proportion as is appropriate to reflect not only such relative benefits but also the relative fault of the Company on the one hand and the Underwriters on the other in connection with the statements or omissions which resulted in such losses, claims, damages or liabilities (or actions in respect thereof), as well as any other relevant equitable considerations. The relative benefits received by the Company on the one hand and the Underwriters on the other shall be deemed to be in the same proportion as the total net proceeds from the offering (before deducting expenses) received by the Company bear to the total underwriting discounts and commissions received by the Underwriters, in each case as set forth in the table on the cover page of the Prospectus. The relative fault shall be determined by

reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company on the one hand or the Underwriters on the other and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission. The Company and the Underwriters agree that it would not be just and equitable if contribution pursuant to this subsection (d) were determined by pro rata allocation (even if the Underwriters were treated as one entity for such purpose) or by any other method of allocation which does not take account of the equitable considerations referred to above in this subsection (d). The amount paid or payable by an indemnified party as a result of the losses, claims, damages or liabilities (or actions in respect thereof) referred to above in this subsection (d) shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this subsection (d), no Underwriter shall be required to contribute any amount in excess of the amount by which the total price at which the Securities underwritten by it and distributed to the public were offered to the public exceeds the amount of any damages which such Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. No person guilty of fraudulent misrepresentation. The Underwriters' obligations in this subsection (d) to contribute are several in proportion to their respective underwriting obligations and not joint.

(e) The obligations of the Company under this Section 9 shall be in addition to any liability which the Company may otherwise have and shall extend, upon the same terms and conditions, to each person, if any, who controls any Underwriter within the meaning of the Act and each affiliate of any Underwriter within the meaning of Rule 405 under the Act, including, without limitation, the officers, directors, partners and members of each such Underwriter and its broker-dealer affiliates; and the obligations of the Underwriters under this Section 9 shall be in addition to any liability which the respective Underwriters may otherwise have and shall extend, upon the same terms and conditions, to each officer and director of the Company and to each person, if any, who controls the Company within the meaning of the Act.

10. (a) If any Underwriter shall default in its obligation to purchase the Securities which it has agreed to purchase hereunder at a Time of Delivery, you may in your discretion arrange for you or another party or other parties to purchase such Securities on the terms contained herein. If within thirty-six hours after such default by any Underwriter you do not arrange for the purchase of such Securities, then the Company shall be entitled to a further period of thirty-six hours within which to procure another party or other parties satisfactory to you to purchase such Securities on such terms. In the event that, within the respective prescribed periods, you notify the Company that you have so arranged for the purchase of such Securities, or the Company notifies you that it has so arranged for the purchase of such Securities, you or there company shall have the right to postpone such Time of Delivery for a period of not more than seven days, in order to effect whatever changes may thereby be made necessary in the Registration Statement or the Prospectus which in your opinion may thereby be made necessary. The term "Underwriter" as used in this Agreement shall include any person substituted under this Section 10 with like effect as if such person had originally been a party to this Agreement with respect to such Securities.

(b) If, after giving effect to any arrangements for the purchase of the Securities of a defaulting Underwriter or Underwriters by you and the Company as provided in subsection (a) above, the aggregate number of such Securities which remains unpurchased does not exceed one eleventh of the aggregate number of all the Securities to be purchased at such Time of Delivery, then the Company shall have the right to require each non-defaulting Underwriter to purchase the number of shares which such Underwriter agreed to purchase hereunder at such Time of Delivery and, in addition, to require each non-defaulting Underwriter to purchase hereunder of Securities which such Underwriter agreed to purchase hereunder of Securities which such Underwriter agreed to purchase hereunder) of the Securities of such defaulting Underwriter or Underwriters for which such arrangements have not been made; but nothing herein shall relieve a defaulting Underwriter from liability for its default.

(c) If, after giving effect to any arrangements for the purchase of the Securities of a defaulting Underwriter or Underwriters by you and the Company as provided in subsection (a) above, the aggregate number of such Securities which remains unpurchased exceeds one eleventh of the aggregate number of all the Securities to be purchased at such Time of Delivery, or if the Company shall not exercise the right described in subsection (b) above to require non-defaulting Underwriters to purchase Securities of a defaulting Underwriter or Underwriters, then this Agreement (or, with respect to the Second Time of Delivery, the obligation of the Underwriters to purchase and of the Company to sell the Optional Securities) shall thereupon terminate, without liability on the part of any non-defaulting Underwriter or the Company, except for the expenses to be borne by the Company and the Underwriters as provided in Section 7 hereof and the indemnity and contribution agreements in Section 9 hereof; but nothing herein shall relieve a defaulting Underwriter from liability for its default.

11. The respective indemnities, agreements, representations, warranties and other statements of the Company and the several Underwriters, as set forth in this Agreement or made by or on behalf of them, respectively, pursuant to this Agreement, shall remain in full force and effect, regardless of any investigation (or any statement as to the results thereof) made by or on behalf of any Underwriter or any controlling person of any Underwriter, or the Company, or any officer or director or controlling person of the Company, and shall survive delivery of and payment for the Securities.

12. If this Agreement shall be terminated pursuant to Section 10 hereof, the Company shall not then be under any liability to any defaulting Underwriter; but, if for any other, any Securities are not delivered by or on behalf of the Company as provided herein, the Company will reimburse the Underwriters through you for all out-of-pocket expenses, including fees and disbursements of counsel, reasonably incurred by the Underwriters in making preparations for the purchase, sale and delivery of the Securities not so delivered, but the Company shall then be under no further liability to any Underwriter except as provided in Sections 7 and 9 hereof.

13. In all dealings hereunder, you shall act on behalf of each of the Underwriters, and the parties hereto shall be entitled to act and rely upon any statement, request, notice or agreement on behalf of any Underwriter made or given by you.

All statements, requests, notices and agreements hereunder shall be in writing, and if to the Underwriters shall be delivered or sent by mail or facsimile transmission to RBC Capital Markets, LLC, 200 Vesey Street, 8th Floor, New York, New York 10281, Attention: Equity Capital Markets, Facsimile: (212) 428-6260 and William Blair & Company, L.L.C., 150 North Riverside Plaza, Chicago, IL 60606, Attention: General Counsel, Facsimile: (312) 551-4646, with a copy to Goodwin Procter LLP, 620 Eighth Avenue, New York, New York 10018, Attention: Benjamin Marsh; and if to the Company shall be delivered or sent by mail or facsimile transmission to the address of the Company set forth on the cover of the Registration Statement, Attention: Chief Financial Officer, (with copies to those parties specified thereon). Any such statements, requests, notices or agreements shall take effect upon receipt thereof.

In accordance with the requirements of the USA Patriot Act (Title III of Pub. L.107-56 (signed into law October 26, 2001)), the Underwriters are required to obtain, verify and record information that identifies their respective clients, including the Company, which information may include the name and address of their respective clients, as well as other information that will allow the Underwriters to properly identify their respective clients.

14. This Agreement shall be binding upon, and inure solely to the benefit of, the Underwriters, the Company and, to the extent provided in Sections 9 and 11 hereof, the officers and directors of the Company and each person who controls the Company or any Underwriter, and their respective heirs, executors, administrators, successors and assigns, and no other person shall acquire or have any right under or by virtue of this Agreement. No purchaser of any of the Securities from any Underwriter shall be deemed a successor or assign by reason merely of such purchase.

15. Time shall be of the essence of this Agreement. As used herein, the term "business day" shall mean any day when the Commission's office in Washington, D.C. is open for business and "New York Business Day" shall mean each Monday, Tuesday, Wednesday, Thursday and Friday which is not a day on which banking institutions in New York City are generally authorized or obligated by law or executive order to close.

16. The Company acknowledges and agrees that (i) the purchase and sale of the Securities pursuant to this Agreement is anarm's-length commercial transaction between the Company, on the one hand, and the several Underwriters, on the other, (ii) in connection therewith and with the process leading to such transaction each Underwriter is acting solely as a principal and not the agent or fiduciary of the Company, (iii) no Underwriter has assumed an advisory or fiduciary responsibility in favor of the Company with respect to the offering contemplated hereby or the process leading thereto (irrespective of whether such Underwriter has advised or is currently advising the Company on other matters) or any other obligations to the Company except the obligations expressly set forth in this Agreement and (iv) the Company has consulted its own legal and financial advisors to the extent it deemed appropriate. The Company agrees that it will not claim that the Underwriters, or any of them, has rendered advisory services of any nature or respect, or owes a fiduciary or similar duty to the Company, in connection with such transaction or the process leading thereto.

17. The Company acknowledges that the Underwriters' research analysts and research departments are required to be independent from their respective investment banking divisions and are subject to certain regulations and internal policies, and that such Underwriters' research analysts may hold views and make statements or investment recommendations and/or publish research reports with respect to the Company and/or the offering that differ from the views of their

respective investment banking divisions. The Company hereby waives and releases, to the fullest extent permitted by law, any claims that the Company may have against the Underwriters with respect to any conflict of interest that may arise from the fact that the views expressed by their independent research analysts and research departments may be different from or inconsistent with the views or advice communicated to the Company by such Underwriters' investment banking divisions. The Company acknowledges that each of the Underwriters is a full service securities firm and as such from time to time, subject to applicable securities laws, may effect transactions for its own account or the account of its customers and hold long or short positions in debt or equity securities of the companies that may be the subject of the transactions contemplated by this Agreement.

18. This Agreement supersedes all prior agreements and understandings (whether written or oral) between the Company and the Underwriters, or any of them, with respect to the subject matter hereof.

19. THIS AGREEMENT AND ANY MATTERS RELATED TO THIS TRANSACTION SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO PRINCIPLES OF CONFLICT OF LAWS THAT WOULD RESULT IN THE APPLICATION OF ANY LAW OTHER THAN THE LAWS OF THE STATE OF NEW YORK. The Company agrees that any suit or proceeding arising in respect of this Agreement or your engagement will be tried exclusively in the U.S. District Court for the Southern District of New York or, if that court does not have subject matter jurisdiction, in any state court located in The City and County of New York and the Company agrees to submit to the jurisdiction of, and to venue in, such courts.

20. The Company and each of the Underwriters hereby irrevocably waive, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Agreement or the transactions contemplated hereby.

21. This Agreement may be executed by any one or more of the parties hereto in any number of counterparts, each of which shall be deemed to be an original, but all such counterparts shall together constitute one and the same instrument. Counterparts may be delivered via facsimile, electronic mail (including any electronic signature covered by the U.S. federal ESIGN Act of 2000, Uniform Electronic Transactions Act, the Electronic Signatures and Records Act or other applicable law, e.g., www.docusign.com) or other transmission method and any counterpart so delivered shall be deemed to have been duly and validly delivered and be valid and effective for all purposes.

22. Notwithstanding anything herein to the contrary, the Company is authorized to disclose to any persons the U.S. federal and state income tax treatment and tax structure of the potential transaction and all materials of any kind (including tax opinions and other tax analyses) provided to the Company relating to that treatment and structure, without the Underwriters imposing any limitation of any kind. However, any information relating to the tax treatment and tax structure shall remain confidential (and the foregoing sentence shall not apply) to the extent necessary to enable any person to comply with securities laws. For this purpose, "tax structure" is limited to any facts that may be relevant to that treatment.

23. (a) In the event that any Underwriter that is a Covered Entity becomes subject to a proceeding under a U.S. Special Resolution Regime, the transfer from such Underwriter of this Agreement, and any interest and obligation in or under this Agreement, will be effective to the same extent as the transfer would be effective under the U.S. Special Resolution Regime if this Agreement, and any such interest and obligation, were governed by the laws of the United States or a state of the United States.

(b) In the event that any Underwriter that is a Covered Entity or a BHC Act Affiliate of such Underwriter becomes subject to a proceeding under a U.S. Special Resolution Regime, Default Rights under this Agreement that may be exercised against such Underwriter are permitted to be exercised to no greater extent than such Default Rights could be exercised under the U.S. Special Resolution Regime if this Agreement were governed by the laws of the United States or a state of the United States.

For purposes of this Section 23, a "BHC Act Affiliate" has the meaning assigned to the term "affiliate" in, and shall be interpreted in accordance with, 12 U.S.C. § 1841(k). "Covered Entity" means any of the following: (i) a "covered entity" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 252.82(b); (ii) a "covered bank" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 252.82(b); (ii) a "covered bank" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 47.3(b); or (iii) a "covered FSI" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 382.2(b). "Default Right" has the meaning assigned to that term in, and shall be interpreted in accordance with, 12 C.F.R. § 352.81, 47.2 or 382.1, as applicable. "U.S. Special Resolution Regime" means each of (i) the Federal Deposit Insurance Act and the regulations promulgated thereunder and (ii) Title II of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the regulations promulgated thereunder.

24. If any term or other provision of this Agreement shall be held invalid, illegal or unenforceable, the validity, legality or enforceability of the other provisions of this Agreement shall not be affected thereby, and there shall be deemed substituted for the provision at issue a valid, legal and enforceable provision as similar as possible to the provision at issue.

25. Except as otherwise expressly provided herein, the provisions of this Agreement may be amended or waived at any time only by the written agreement of the parties hereto. Any waiver, permit, consent or approval of any kind or character on the part of any such holders of any provision or condition of this Agreement must be made in writing and shall be effective only to the extent specifically set forth in writing. The failure of any party hereto to enforce at any time any provision of this Agreement shall not be construed to be a waiver of such provision, nor in any way to affect the validity of this Agreement or any part hereof or the right of any party thereafter to enforce each and every such provision. No waiver of any breach of this Agreement shall be held to constitute a waiver of any other or subsequent breach.

[Signature page follows]

If the foregoing is in accordance with your understanding, please sign and return to us, and upon the acceptance hereof by you, on behalf of each of the Underwriters, this letter and such acceptance hereof shall constitute a binding agreement between each of the Underwriters and the Company.

Very truly yours,

VSE CORPORATION

By: /s/ John A Cuomo

Name: John A Cuomo Title: President and CEO

[Signature Page to Underwriting Agreement]

The foregoing Agreement is hereby confirmed and accepted as of the date hereof:

Acting severally on behalf of themselves and the several Underwriters named in Schedule I hereto

RBC CAPITAL MARKETS, LLC

/s/ Michael Ventura Name: Michael Ventura Title: Managing Director

WILLIAM BLAIR & COMPANY, L.L.C.

/s/ Rakhee Bhagat Name: Rakhee Bhagat Title: Managing Director

[Signature Page to Underwriting Agreement]

Underwriter	Total Number of Firm Securities to be Purchased	Number of Optional Securities to be Purchased if Maximum Option Exercised
RBC Capital Markets, LLC	965,745	144,862
William Blair & Company, L.L.C.	965,745	144,862
Truist Securities, Inc.	301,950	45,292
B. Riley Securities, Inc.	241,560	36,234
Total	2,475,000	371,250

SCHEDULE I

Schedule I-1

SCHEDULE II

(a) General Use Issuer Free Writing Prospectuses:

None

(b) Additional Documents Incorporated by Reference:

None

(c) Information other than the Pricing Prospectus that comprise the Pricing Disclosure Package:

The initial public offering price per share for the Securities is \$48.50

The number of Firm Securities to be purchased by the Underwriters is 2,475,000.

The number of Optional Securities to be purchased by the Underwriters is 371,250.

Schedule II-1

Name John A. Cuomo John A. Cuomo Ralph E. Eberhart Anita D. Britt Edward P. Dolanski Mark E. Ferguson III Lloyd E. Johnson Calvin S. Koonce John E. Potter Pannia K. Wachtal Bonnie K. Wachtel Stephen D. Griffin Farinaz S. Tehrani Chad Wheeler Benjamin Thomas Koonce, LLC

Schedule III-1

Annex III

Form of Lock-Up Letter

RBC Capital Markets, LLC William Blair & Company, L.L.C. As Representatives of the several Underwriters

c/o RBC Capital Markets, LLC 200 Vesey Street New York, New York 10281-8098

c/o William Blair & Company, L.L.C. 150 North Riverside Plaza Chicago, Illinois 60606

Re: VSE Corporation - Lock-Up Agreement

Ladies and Gentlemen:

The undersigned understands that you, as representatives (the "*Representatives*"), propose to enter into an Underwriting Agreement on behalf of the several Underwriters named in Schedule I to such agreement (collectively, the "*Underwriters*"), with VSE Corporation, a Delaware corporation (the "*Company*"), providing for a public offering (the "*Public Offering*") of shares of the Company's common stock, par value \$0.05 per share (the "Common Stock" or "*Shares*"), pursuant to a Registration Statement on Form S-3 filed with the Securities and Exchange Commission (the "*SEC*"). For purposes of this Lock-Up Agreement (the "*Agreement*"), "*Stock*" means, at any time, all shares of the Company's capital stock issued and outstanding at such time, including the Common Stock.

In consideration of the agreement by the Underwriters to offer and sell the Shares, and of other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the undersigned agrees that without, in each case, the prior written consent of the Representatives, during the period beginning from the date of this Agreement and continuing to and including the date 90 days after the date set forth on the final prospectus used to sell the Shares specified in the following paragraphs (the "Lock-Up Period"), the undersigned will not, directly or indirectly, take any of the following actions with respect to its Stock or any securities convertible into or exchangeable or redeemable for any Stock ("Lock-Up Securities"): (i) offer for sale, sell, pledge, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, make any short sale or otherwise transfer or dispose of, directly or indirectly, any Lock-Up Securities; (ii) enter into any swap, any other derivative transaction or any other agreement or any transaction that transfers to another, in whole or in part, directly or indirectly, the economic consequences of ownership of Lock-Up Securities, whether now owned or hereinafter acquired, owned directly by the undersigned (including holding as a custodian) or with respect to which the undersigned has beneficial ownership within the rules and regulations of the SEC (collectively the "Undersigned's Shares"), whether any swap or transaction described in clause (i) or (ii) above is

to be settled by delivery of Lock-Up Securities of the Company or such other securities, in cash or otherwise; (iii) make any demand for, or exercise any right with respect to, the registration under the Securities Act of 1933 of any Common Stock or any security convertible into or exercisable or exchangeable for Common Stock; or (iv) publicly disclose the intention to do any of the foregoing.

The foregoing restrictions are expressly agreed to preclude the undersigned from engaging in any hedging or other transaction which is designed to or which reasonably could be expected to lead to or result in a sale or disposition of the Undersigned's Shares even if the Undersigned's Shares would be disposed of by someone other than the undersigned. Such prohibited hedging or other transactions would include, without limitation, any short sale or any purchase, sale or grant of any right (including without limitation any put or call option) with respect to any of the Undersigned's Shares or with respect to any security that includes, relates to, or derives any significant part of its value from the Undersigned's Shares.

Notwithstanding the foregoing, the undersigned may transfer the Undersigned's Shares (i) as a bona fide gift or gifts; provided, however, that the donee or donees thereof agree to be bound in writing by the restrictions set forth herein and provided further, that any filing made pursuant to Section 16(a) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), as amended shall include a footnote noting the circumstances described in this clause; (ii) by will or intestate succession upon the death of the undersigned; provided, however, that the distributee, legatee, executor and/or administrator thereof agrees to be bound in writing by the restrictions set forth herein; (iii) to any trust for the direct or indirect benefit of the undersigned or the immediate family of the undersigned; provided, however, that the trustee of the trust agrees to be bound in writing by the restrictions set forth herein, and provided further, however, that any such transfer shall not involve a disposition for value and no filing by any party under Section 16(a) of the Exchange Act shall be required or shall be made voluntarily in connection with such transfer; (iv) to any general partnership, limited partnership, limited liability company, corporation or other legal entity which is wholly owned, directly or indirectly, by the undersigned and/or immediate family of the undersigned; provided, however, that such entity agrees to be bound in writing by the restrictions set forth herein, and provided further, however, that any such transfer shall not involve a disposition for value; (v) if such transfer involves sales of shares of Common Stock acquired in open market transactions after the completion of the Public Offering, provided, however, that no filing or public announcement by any party under the Exchange Act or otherwise shall be required or shall be voluntarily made in connection with such transfer (other than a filing on a Form 5 made after the expiration of the Lock-Up Period); or (vi) with the prior written consent of the Representatives on behalf of the Underwriters. For purposes of this Agreement, "immediate family" shall mean any relationship by blood, marriage or adoption, not more remote than first cousin. In addition, notwithstanding the foregoing, if the undersigned is a corporation, the corporation may transfer any of the Undersigned's Shares to any wholly owned subsidiary of such corporation; provided, however, that in any such case, it shall be a condition to the transfer that the transferee execute an agreement stating that the transferee is receiving and holding such of the Undersigned's Shares subject to the provisions of this Agreement and there shall be no further transfer of such of the Undersigned's Shares except in accordance with this Agreement, and provided further, however, that any such transfer shall not involve a disposition for value. The undersigned also agrees and consents to the entry of stop transfer instructions with the Company's transfer agent and registrar against the transfer of the Undersigned's Shares except in compliance with the foregoing restrictions.

In addition, the foregoing restrictions shall not apply to: (i) the undersigned's exercise of stock options granted, or the exercise or vesting of other equity awards, pursuant to the Company's equity incentive plans described in the prospectus relating to the Offering; provided, that (a) such restrictions shall apply to any of the Undersigned's Shares issued upon such exercise or vesting, and (b) if any filing is required under Section 16(a) of the Exchange Act in connection with such exercise or vesting, such filing shall include a statement to the effect that such filing is the result of the exercise or vesting pursuant to the Company's equity incentive plans, (c) the undersigned does not otherwise voluntarily effect any other public filing or report regarding such exercise or vesting during the Lock-Up Period; (ii) in the case of an option to purchase shares of Common Stock expiring or restricted shares of Common Stock or other equity awards vesting during the Lock-up Period, in each case on a "cashless" or "net exercise" basis, the sale or transfer of shares of Common Stock to the Company to satisfy any payment or tax withholding obligations in connection with the exercise of such option or vesting; provided, that if any filing is required under Section 16(a) of the Exchange Act in connection with such sale or transfer, such filing shall include a statement to the effect that such filing is the result of a transfer to the Company to satisfy any payment or tax withholding obligations in connection with such exercise or vesting, and the undersigned does not otherwise voluntarily effect any other public filing or report regarding such sale or transfer during the Lock-Up Period; and (iii) the establishment of any new contract, instruction or plan (a "Plan") that satisfies all of the requirements of Rule 10b5-1(c)(1)(i)(B) under the Exchange Act; provided, that (a) no sales of the Undersigned's Shares shall be made pursuant to such a new Plan prior to the expiration of theLock-Up Period, and (b) such a new Plan may only be established if no public announcement of the establishment or existence thereof and no filing with the SEC or other regulatory authority in respect thereof or transactions thereunder or contemplated thereby, by the undersigned, the Company or any other person, shall be required, and no such announcement or filing is made voluntarily by the undersigned, the Company or any other person, prior to the expiration of the Lock-Up Period.

The undersigned hereby represents and warrants that the undersigned has full power and authority to enter into this Agreement. The undersigned understands that the Company and the Underwriters are relying upon this Agreement in proceeding toward consummation of the Public Offering. The undersigned further understands that this Agreement is irrevocable and shall be binding upon the undersigned's heirs, legal representatives, successors, and assigns. Notwithstanding the foregoing, this Agreement will automatically terminate and be of no force and effect if the closing of the Public Offering does not occur on or before August 31, 2023.

This Agreement and any claim, controversy or dispute arising under or related to this Agreement shall be governed by and construed in accordance with the laws of the State of New York, without regard to the conflict of laws principles thereof.

Very truly yours,

Exact Name of Stockholder

Signature

JONES DAY

1221 PEACHTREE STREET, N.E. • SUITE 400 • ATLANTA, GEORGIA 30361

TELEPHONE: +1.404.521.3939 • JONESDAY.COM

July 24, 2023

VSE Corporation 6348 Walker Lane Alexandria, Virginia 22310

Re: Up to 2,846,250 Shares of Common Stock of VSE Corporation

Ladies and Gentlemen:

We are acting as counsel for VSE Corporation, a Delaware corporation (the "<u>Company</u>"), in connection with the issuance and sale by the Company of up to 2,846,250 shares (the "<u>Shares</u>") of common stock, par value \$0.05 per share, of the Company (the "<u>Common Stock</u>"), pursuant to the Underwriting Agreement, dated July 19, 2023 (the "<u>Underwriting Agreement</u>"), by and among the Company and RBC Capital Markets, LLC and William Blair & Company, L.L.C., acting as representatives of the several underwriters named in Schedule I thereto.

In connection with the opinion expressed herein, we have examined such documents, records and matters of law as we have deemed relevant or necessary for purposes of this opinion. Based on the foregoing, and subject to the further limitations, qualifications and assumptions set forth herein, we are of the opinion that the Shares, when issued and delivered pursuant to the terms of the Underwriting Agreement against payment of the consideration therefor as provided in the Underwriting Agreement, will be validly issued, fully paid and nonassessable.

As to facts material to the opinion and assumptions expressed herein, we have relied upon oral or written statements and representations of officers and other representatives of the Company and others. The opinion expressed herein is limited to the General Corporation Law of the State of Delaware, as currently in effect, and we express no opinion as to the effect of the laws of any other jurisdiction.

We hereby consent to the filing of this opinion as Exhibit 5.1 to the Current Report onForm 8-K dated the date hereof filed by the Company relating to the Company's Registration Statement on Form S-3 (File No. 333-248139), and to the reference to Jones Day under the caption "Legal Matters" in the prospectus supplement constituting a part of such Registration Statement. In giving such consent, we do not thereby admit that we are included in the category of persons whose consent is required under Section 7 of the Securities Act of 1933 or the rules and regulations of the Securities and Exchange Commission promulgated thereunder.

Very truly yours,

/s/ Jones Day

AMSTERDAM • ATLANTA • BEIJING • BOSTON • BRISBANE • BRUSSELS • CHICAGO • CLEVELAND • COLUMBUS • DALLAS DETROIT • DUBAI • DÜSSELDORF • FRANKFURT • HONG KONG • HOUSTON • IRVINE • LONDON • LOS ANGELES • MADRID MELBOURNE • MEXICO CITY • MIAMI • MILAN • MINNEAPOLIS • MUNICH • NEW YORK • PARIS • PERTH • PITTSBURGH SAN DIEGO • SAN FRANCISCO • SÃO PAULO • SHANGHAI • SILICON VALLEY • SINGAPORE • SYDNEY • TAIPEI • TOKYO • WASHINGTON