SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 5)*

DLH Holdings Corp.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

(CUSIP Number)

06/30/2026

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

☐ Rule 13d-1(b)
☑ Rule 13d-1(c)
☐ Rule 13d-1(d)

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons Mink Brook Partners LP
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☑ (b)
3	Sec Use Only
4	Citizenship or Place of Organization DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 2,121,736.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 2,121,736.00

9	Aggregate Amount Beneficially Owned by Each Reporting Person 2,121,736.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐
11	Percent of class represented by amount in row (9) 14.6 %
12	Type of Reporting Person (See Instructions) PN

Comment for Type of Reporting Person: The percentage reported in Row 11 is calculated based on 14,493,035 shares of Common Stock outstanding as of 5/6/26, as disclosed in DLH Holdings Corp.'s Form 10-Q.

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons Mink Brook Opportunity Fund LP
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☑ (b)
3	Sec Use Only
4	Citizenship or Place of Organization DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 694,322.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 694,322.00

9	Aggregate Amount Beneficially Owned by Each Reporting Person 694,322.00

10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐
11	Percent of class represented by amount in row (9) 4.8 %
12	Type of Reporting Person (See Instructions) PN

Comment for Type of Reporting Person: The percentage reported in Row 11 is calculated based on 14,493,035 shares of Common Stock outstanding as of 5/6/26, as disclosed in DLH Holdings Corp.'s Form 10-Q.

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons Mink Brook Capital GP LLC		
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☑ (b)		
3	Sec Use Only		
4	Citizenship or Place of Organization DELAWARE		
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00	
	6	Shared Voting Power 2,816,058.00	
	7	Sole Dispositive Power 0.00	
	8	Shared Dispositive Power 2,816,058.00	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 2,816,058.00		
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐		
11	Percent of class represented by amount in row (9) 19.4 %		
12	Type of Reporting Person (See Instructions) OO		

Comment for Type of Reporting Person: The percentage reported in Row 11 is calculated based on 14,493,035 shares of Common Stock outstanding as of 5/6/26, as disclosed in DLH Holdings Corp.'s Form 10-Q.

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons William Mueller		
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☑ (b)		
3	Sec Use Only		
4	Citizenship or Place of Organization UNITED STATES		
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00	
	6	Shared Voting Power 2,816,058.00	
	7	Sole Dispositive Power 0.00	
	8	Shared Dispositive Power 2,816,058.00	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 2,816,058.00		
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐		
11	Percent of class represented by amount in row (9) 19.4 %		
12	Type of Reporting Person (See Instructions) IN, HC		

Comment for Type of Reporting Person: The percentage reported in Row 11 is calculated based on 14,493,035 shares of Common Stock outstanding as of 5/6/26, as disclosed in DLH Holdings Corp.'s Form 10-Q.

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons Mink Brook Asset Management LLC		
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☑ (b)		
3	Sec Use Only		
4	Citizenship or Place of Organization DELAWARE		
Number of	5	Sole Voting Power	

Shares Beneficially Owned by Each Reporting Person With:		0.00
	6	Shared Voting Power 2,816,058.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 2,816,058.00

9	Aggregate Amount Beneficially Owned by Each Reporting Person 2,816,058.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐
11	Percent of class represented by amount in row (9) 19.4 %
12	Type of Reporting Person (See Instructions) IA

Comment for Type of Reporting Person: The percentage reported in Row 11 is calculated based on 14,493,035 shares of Common Stock outstanding as of 5/6/26, as disclosed in DLH Holdings Corp.'s Form 10-Q.

SCHEDULE 13G

Item 1.

(a) Name of issuer:

DLH Holdings Corp.

(b) Address of issuer's principal executive offices:

3565 Piedmont Road, Building 3, Suite 700, Atlanta, Georgia, 30305

Item 2.

(a) Name of person filing:

Mink Brook Partners LP Mink Brook Opportunity Fund LP Mink Brook Capital GP LLC William Mueller Mink Brook Asset Management LLC

(b) Address or principal business office or, if none, residence:

Mink Brook Partners LP 201 Summa Street West Palm Beach, FL 33405 Mink Brook Opportunity Fund LP 201 Summa Street West Palm Beach, FL 33405 Mink Brook Capital GP LLC 201 Summa Street West Palm Beach, FL 33405 William Mueller c/o Mink Brook Asset Management LLC 201 Summa Street West Palm Beach, FL 33405 Mink Brook Asset Management LLC 201 Summa Street West Palm Beach, FL 33405

(c) Citizenship:

Mink Brook Partners LP - Delaware Mink Brook Opportunity Fund LP - Delaware Mink Brook Capital GP LLC - Delaware William Mueller - United States Mink Brook Asset Management LLC - Delaware

(d) Title of class of securities:

Common Stock

(e) CUSIP No.:

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(a) ☐ Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);

(b) ☐ Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);

(c) ☐ Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);

(d) ☐ Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);

(e) ☐ An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);

(f) ☐ An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);

(g) ☐ A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);

(h) ☐ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

(i) ☐ A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);

(j) ☐ A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

(k) ☐ Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership

Amount beneficially owned:

(a) Mink Brook Partners LP - 2,121,736 Mink Brook Opportunity Fund LP - 694,322 Mink Brook Capital GP LLC - 2,816,058 William Mueller - 2,816,058 Mink Brook Asset Management LLC - 2,816,058

Percent of class:

(b) Mink Brook Partners LP - 14.6% Mink Brook Opportunity Fund LP - 4.8% Mink Brook Capital GP LLC - 19.4% William Mueller - 19.4% Mink Brook Asset Management LLC - 19.4% %

(c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote:

Mink Brook Partners LP - 0 Mink Brook Opportunity Fund LP - 0 Mink Brook Capital GP LLC - 0 William Mueller - 0 Mink Brook Asset Management LLC - 0

(ii) Shared power to vote or to direct the vote:

Mink Brook Partners LP - 2,121,736 Mink Brook Opportunity Fund LP - 694,322 Mink Brook Capital GP LLC - 2,816,058 William Mueller - 2,816,058 Mink Brook Asset Management LLC - 2,816,058

(iii) Sole power to dispose or to direct the disposition of:

Mink Brook Partners LP - 0 Mink Brook Opportunity Fund LP - 0 Mink Brook Capital GP LLC - 0 William Mueller - 0 Mink Brook Asset Management LLC - 0

(iv) Shared power to dispose or to direct the disposition of:

Mink Brook Partners LP - 2,121,736 Mink Brook Opportunity Fund LP - 694,322 Mink Brook Capital GP LLC - 2,816,058 William Mueller - 2,816,058 Mink Brook Asset Management LLC - 2,816,058

Item 5. Ownership of 5 Percent or Less of a Class.

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than 5 percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

All of the securities reported in this Schedule 13G Amendment No. 5 are directly owned by advisory clients of Mink Brook Asset Management LLC. None of those advisory clients, other than Mink Brook Partners LP, may be deemed to beneficially own more than 5% of the Common Stock.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Mink Brook Partners LP

Signature: /s/ William Mueller
Name/Title: William Mueller/Managing Member of its general partner, Mink Brook Capital GP LLC
Date: 08/10/2026

Mink Brook Opportunity Fund LP

Signature: /s/ William Mueller
Name/Title: William Mueller/Managing Member of its general partner, Mink Brook Capital GP LLC
Date: 08/10/2026

Mink Brook Capital GP LLC

Signature: /s/ William Mueller
Name/Title: William Mueller/Managing Member
Date: 08/10/2026

William Mueller

Signature: /s/ William Mueller
Name/Title: William Mueller
Date: 08/10/2026

Mink Brook Asset Management LLC

Signature: /s/ William Mueller
Name/Title: William Mueller/Managing Member
Date: 08/10/2026

Exhibit Information

Each Reporting Person disclaims beneficial ownership of the reported securities except to the extent of his, her or its pecuniary interest therein, and this report shall not be deemed an admission that such Reporting Person is the beneficial owner of the securities for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose. The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative (other than an executive officer or general partner of this filing person), evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature. Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).