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engineering and environmental consultants

Ms. Catherine Cesnik
Bassett Creek Watershed Management Commission
7800 Golden Valley Road
Golden Valley, MN 55427

Page # 1
Invoice # 23270051-2022-1
Project # 23/27-0051
Client # 59
March 7, 2022

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
January 29, 2022 through February 25, 2022

1000—ENGINEERING & MONITORING

1010—Technical Services

Technical Services

Internal communications regarding 2022 project budgets; communications with administrator and internal staff regarding Hollydale invoice and payment; prepare BCWMC/Barr calendar, workflow and staff responsibilities document; review new MS4 permit linear project requirements, compare to BCWMC linear project requirements, and communications with internal staff, administrator and Golden Valley staff; communications with administrator and internal staff regarding City of Medicine Lake's revised CIP request, proposed road reconstruction project and MS4 requirements, and next steps for alternatives to CIP project, and provide MS4 information to administrator; communications with internal staff regarding RWMWD \$/lb TP removed chart, the data behind it, and how it might apply to BCWMC; communications with administrator regarding format of future in-person meetings; and internal communications regarding project reviews and water quality reporting.

James P. Herbert, Principal Engineer/Scientist 2.6 hours @ \$205.00 per hour	\$ 533.00
Karen L. Chandler, Principal Engineer/Scientist 16.9 hours @ \$190.00 per hour	\$ 3,211.00
Jen Koehler, Engineer/Scientist/Specialist IV 0.8 hours @ \$165.00 per hour	\$ 132.00
Josh P. Phillips, Engineer/Scientist/Specialist II 2.0 hours @ \$125.00 per hour	\$ 250.00
Katie Turpin-Nagel, Engineer/Scientist/Specialist II 0.5 hours @ \$130.00 per hour	\$ 65.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.0 hours @ \$105.00 per hour	\$ 105.00
Technicians/Administrative	\$ 315.00
<i>Subtotal, Technical Services</i>	\$ 4,611.00

WCA LGU ADMINISTRATION

General WCA LGU Administration

Prepare project tracking spreadsheet; prepare WCA annual reporting form; and submit report to BWSR.

Karen Wold, Engineer/Scientist/Specialist III	
1.1 hours @ \$145.00 per hour	\$ 159.50
<i>Subtotal, General WCA LGU Administration</i>	<i>\$ 159.50</i>

Medicine Lake WCA LGU Administration

Review CenterPoint wetland application for Peninsula Rd & Kaiser Ave in Medicine Lake; request additional information from applicant and TEP communication; review CenterPoint Peninsula Rd & Kaiser Ave WCA no-loss application, communication with applicant's agent, and request additional information; and communication regarding wetland buffer requirements.

James P. Herbert, Principal Engineer/Scientist	
1.0 hours @ \$205.00 per hour	\$ 205.00
Karen Wold, Engineer/Scientist/Specialist III	
4.6 hours @ \$145.00 per hour	\$ 667.00
<i>Subtotal, Medicine Lake WCA LGU Administration</i>	<i>\$ 872.00</i>

St. Louis Park WCA LGU Administration

Review CenterPoint wetland application for Ford Lane in St. Louis Park; request jurisdictional clarification from MnDOT; review CenterPoint Ford Lane WCA no-loss application, communication with MnDOT and applicant, and coordinate WCA jurisdiction; waive WCA administration to MnDOT; and communication regarding wetland buffer requirements.

James P. Herbert, Principal Engineer/Scientist	
0.5 hours @ \$205.00 per hour	\$ 102.50
Karen Wold, Engineer/Scientist/Specialist III	
1.9 hours @ \$145.00 per hour	\$ 275.50
<i>Subtotal, St. Louis Park WCA LGU Administration</i>	<i>\$ 378.00</i>
<i>Subtotal, WCA LGU ADMINISTRATION</i>	<i>\$ 1,409.50</i>

Monthly Meeting Preparation

Communications/coordination with administrator and internal staff regarding draft/final agenda and meeting packet for February meeting; review/edit draft January and February meeting minutes; communications with administrator regarding 2021 year-end budget status; prepare for February Commission meeting, including review meeting packet, pre-meeting conference call with Chair Cesnik and administrator, and internal communications regarding meeting attendance and presentations; and communications with administrator and internal staff regarding follow-up items from February Commission meeting and upcoming meeting agenda items.

James P. Herbert, Principal Engineer/Scientist	
4.5 hours @ \$205.00 per hour	\$ 922.50

Karen L. Chandler, Principal Engineer/Scientist 21.6 hours @ \$190.00 per hour	\$ 4,104.00
Technicians/Administrative	\$ 903.50
<i>Subtotal, Monthly Meeting Preparation</i>	<i>\$ 5,930.00</i>

TAC Preparation

Communications with administrator and internal staff regarding draft TAC meeting agenda items.

James P. Herbert, Principal Engineer/Scientist 0.7 hours @ \$205.00 per hour	\$ 143.50
Karen L. Chandler, Principal Engineer/Scientist 1.3 hours @ \$190.00 per hour	\$ 247.00
<i>Subtotal, TAC Preparation</i>	<i>\$ 390.50</i>
Subtotal 1010—Technical Services.....	\$ 12,341.00

1020—Development/Project Reviews

Plymouth Creek Parking Lot Reco (2021-11)

Review resubmittal for water quality, rate control, and erosion and sediment control; and prepare and send comment letter to city staff.

James P. Herbert, Principal Engineer/Scientist 0.8 hours @ \$205.00 per hour	\$ 164.00
Josh P. Phillips, Engineer/Scientist/Specialist II 1.1 hours @ \$125.00 per hour	\$ 137.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 6.3 hours @ \$105.00 per hour	\$ 661.50
<i>Subtotal, Plymouth Creek Parking Lot Reco (2021-11).....</i>	<i>\$ 963.00</i>

Ridgedale Sears Redevel-Dicks Sports (2021-30)

Review resubmittal for water quality (including MTD), rate control, and erosion and sediment control; prepare review memo for Commission meeting and provide to administrator; and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 2.2 hours @ \$205.00 per hour	\$ 451.00
Karen L. Chandler, Principal Engineer/Scientist 1.1 hours @ \$190.00 per hour	\$ 209.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 6.5 hours @ \$105.00 per hour	\$ 682.50
<i>Subtotal, Ridgedale Sears Redevel-Dicks Sports (2021-30)</i>	<i>\$ 1,342.50</i>

Wirth on the Woods (2021-33)

Prepare and send comment letter to city staff; review resubmittal for water quality, rate control, and erosion and sediment control; and communications with applicant.

James P. Herbert, Principal Engineer/Scientist 1.5 hours @ \$205.00 per hour	\$ 307.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 2.5 hours @ \$105.00 per hour	\$ <u>262.50</u>
<i>Subtotal, Wirth on the Woods (2021-33)</i>	<i>\$ 570.00</i>

Plymouth 2022 Street Reconstruction (Hidden Lake & Beacon Hgts) (2021-35)

Review resubmittal for erosion and sediment control; prepare review memo for Commission meeting and provide to administrator; and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 1.8 hours @ \$205.00 per hour	\$ 369.00
Karen L. Chandler, Principal Engineer/Scientist 0.8 hours @ \$190.00 per hour	\$ 152.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 3.3 hours @ \$105.00 per hour	\$ <u>346.50</u>
<i>Subtotal, Plymouth 2022 Street Reconstruction (Hidden Lake & Beacon Hgts) (2021-35)</i>	<i>\$ 867.50</i>

Peninsula Rd Street & Util Improvements (2021-36)

Prepare and send comment letter to city representative; review resubmittal for erosion and sediment control; prepare draft review memo for Commission meeting; and communications with applicant.

James P. Herbert, Principal Engineer/Scientist 4.8 hours @ \$205.00 per hour	\$ 984.00
Karen L. Chandler, Principal Engineer/Scientist 0.8 hours @ \$190.00 per hour	\$ 152.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 5.3 hours @ \$105.00 per hour	\$ <u>556.50</u>
<i>Subtotal, Peninsula Rd Street & Util Improvements (2021-36)</i>	<i>\$ 1,692.50</i>

4900 Killarney Dr. Shoreline Restoration (2021-37)

Review shoreline restoration project submittal; and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 1.8 hours @ \$205.00 per hour	\$ 369.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.7 hours @ \$105.00 per hour	\$ <u>178.50</u>
<i>Subtotal, 4900 Killarney Dr. Shoreline Restoration (2021-37)</i>	<i>\$ 547.50</i>

Parkera Plymouth (2021-38)

Review grading, drainage, and erosion control plans for water quality, rate control, and erosion and sediment control; and communications with Minnehaha Creek WD staff.

James P. Herbert, Principal Engineer/Scientist 1.9 hours @ \$205.00 per hour	\$ 389.50
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Gabrielle Campagnola, Engineer/Scientist/Specialist I
 6.8 hours @ \$105.00 per hour \$ 714.00
Subtotal, Parkera Plymouth (2021-38) \$ 1,103.50

Century Townhomes (2022-01)

Review grading, drainage, and erosion control plans for water quality, rate control, and erosion and sediment control; and prepare and send comment letter to city staff.

James P. Herbert, Principal Engineer/Scientist
 3.6 hours @ \$205.00 per hour \$ 738.00
 Gabrielle Campagnola, Engineer/Scientist/Specialist I
 3.0 hours @ \$105.00 per hour \$ 315.00
 Technicians/Administrative \$ 105.00
Subtotal, Century Townhomes (2022-01) \$ 1,158.00

Morries Hyundai Addition SLP (2022-02)

Preliminary review of grading, drainage, and erosion control plans.

James P. Herbert, Principal Engineer/Scientist
 1.0 hours @ \$205.00 per hour \$ 205.00
 Gabrielle Campagnola, Engineer/Scientist/Specialist I
 0.8 hours @ \$105.00 per hour \$ 84.00
 Technicians/Administrative \$ 105.00
Subtotal, Morries Hyundai Addition SLP (2022-02) \$ 394.00

Subtotal, 1020—Development/Project Reviews \$ 8,638.50

1030—Non-Fee and Preliminary Reviews

Preliminary Reviews

Communications with consultant regarding Vicksburg Lane project in Plymouth; preliminary review of 250 Fremont Ave N project in Minneapolis and MWMO but also within Bassett Creek floodplain, check flood elevations, and communications with administrator and Minneapolis staff regarding concerns; communications and meeting with consultant and MPRB staff regarding MPRB's Bryn Mawr Meadows Park improvement project; communications with consultants regarding crossing of Plymouth Creek, 2400 Xenium Ln and Cottonwood development in Plymouth.

James P. Herbert, Principal Engineer/Scientist
 12.8 hours @ \$205.00 per hour \$ 2,624.00
 Karen L. Chandler, Principal Engineer/Scientist
 0.7 hours @ \$190.00 per hour \$ 133.00
 Jen Koehler, Engineer/Scientist/Specialist IV
 1.0 hours @ \$165.00 per hour \$ 165.00
 Lulu Fang, Engineer/Scientist/Specialist II
 1.0 hours @ \$120.00 per hour \$ 120.00
Subtotal, Preliminary Reviews \$ 3,042.00

Non-Fee Reviews

North Loop Green Phase III Development (over tunnel drop structure)

Communications and virtual meeting with Minneapolis staff, developer, developer’s consultants, administrator, and Commission attorney regarding proposed access to drop shaft in the Bassett Creek tunnel; review final easement agreement amendment; and prepare update for Commission meeting.

James P. Herbert, Principal Engineer/Scientist 4.4 hours @ \$205.00 per hour.....	\$	902.00
<i>Subtotal, North Loop Green Phase III Development (over drop structure)</i>		
	\$	902.00
<i>Subtotal Non-Fee Reviews.....</i>		
	\$	902.00
Subtotal, 1030— Non-Fee and Preliminary Reviews	\$	3,944.00

1040—Commission and TAC Meetings

Attend February 17 Commission meeting (virtual).

Karen L. Chandler, Principal Engineer/Scientist 3.6 hours @ \$190.00 per hour	\$	684.00
Greg Williams, Engineer/Scientist/Specialist III 0.6 hours @ \$155.00 per hour	\$	93.00
Subtotal, 1040—Commission and TAC Meetings.....	\$	777.00

1050—Surveys and Studies

Subtotal, 1050—Surveys and Studies	\$	0.00
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1060—Water Quality/Monitoring

General Water Quality

Prepare for, attend, and facilitate meeting with administrator, Plymouth staff, and TRPD staff regarding Plymouth Creek 2022 monitoring – monitoring sites, equipment needs, and monitoring parameters; internal communications regarding Plymouth Creek monitoring responsibilities; prepare spreadsheet summarizing Barr’s 2022 Plymouth Creek monitoring responsibilities and send to meeting attendees; communications with administrator regarding stressor ID and TMDL to address biota impairment of Bassett Creek; internal communications, and prepare for and attend meeting with administrator and MCES staff regarding CAMP chloride monitoring, and follow-up communications with administrator regarding prioritizing lakes for 2022 CAMP chloride monitoring.

Karen L. Chandler, Principal Engineer/Scientist 4.2 hours @ \$190.00 per hour	\$	798.00
Margaret R. Rattei, Engineer/Scientist/Specialist III 6.9 hours @ \$150.00 per hour	\$	1,035.00
Chris Bonick, Engineer/Scientist/Specialist III 6.0 hours @ \$135.00 per hour	\$	810.00
<i>Subtotal, General Water Quality.....</i>	<i>\$</i>	<i>2,643.00</i>

Westwood-Crane Lake 2021 Monitoring Report

Communications with internal staff regarding Crane Lake chloride and zooplankton trend analyses results; and send trend analyses results to administrator.

Margaret R. Rattei, Engineer/Scientist/Specialist III 2.7 hours @ \$150.00 per hour	\$	405.00
<i>Subtotal, Westwood-Crane Lake 2021 Monitoring Report.....</i>	<i>\$</i>	<i>405.00</i>

Parkers Lake 2021 Monitoring Report (4043)

Project management.

Margaret R. Rattei, Engineer/Scientist/Specialist III 0.5 hours @ \$150.00 per hour	\$	75.00
<i>Subtotal, Parkers Lake 2021 Monitoring Report.....</i>	<i>\$</i>	<i>75.00</i>

Sweeney Branch Report

Perform monitoring station maintenance, including connecting to monitoring station to check connection and battery level; download and review data; expenses include Verizon wireless charges for the monitoring station.

Chris Bonick, Engineer/Scientist/Specialist II 3.5 hours @ \$135.00 per hour	\$	472.50
Expenses (Verizon)	\$	44.08
<i>Subtotal, Sweeney Branch Report.....</i>	<i>\$</i>	<i>516.58</i>

Northwood Lake & Lost Lake 2022 Monitoring

Internal meeting and follow-up communications regarding lab selection for 2022 lab analyses.

Margaret R. Rattei, Engineer/Scientist/Specialist III 1.1 hours @ \$150.00 per hour	\$	165.00
Terri Olson, Engineer/Scientist/Specialist III 0.4 hours @ \$155.00 per hour	\$	62.00
<i>Subtotal, Northwood Lake & Lost Lake 2022 Monitoring.....</i>	<i>\$</i>	<i>227.00</i>
Subtotal, 1060—Water Quality/Monitoring.....	\$	3,866.58

1070—Water Quantity

Measure and review lake elevations as part of the lake-gauging program.

Technicians/Administrative	\$	541.50
Expenses (Vehicle/Mileage/Survey Set)	\$	87.13
Subtotal, 1070—Water Quantity	\$	628.63

1100—Watershed Outlet Monitoring Program

Subtotal, 1100—Watershed Outlet Monitoring Program.....	\$	0.00
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1110—XPSWMM Model Updates/Reviews

Update and run XPSWMM model; and communications with internal staff.

Karen L. Chandler, Principal Engineer/Scientist 0.3 hours @ \$190.00 per hour	\$	57.00
Jen Koehler, Engineer/Scientist/Specialist IV 1.8 hours @ \$165.00 per hour	\$	297.00
Greg Fransen, Engineer/Scientist/Specialist III 0.6 hours @ \$145.00 per hour	\$	87.00
Lulu Fang, Engineer/Scientist/Specialist II 30.5 hours @ \$120.00 per hour.....	\$	3,660.00
Subtotal, 1110—XPSWMM Model Updates/Reviews	\$	4,101.00

1120—TMDL Implementation Reporting

Subtotal, 1120—TMDL Implementation Reporting	\$	0.00
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SUBTOTAL, 1000—ENGINEERING & MONITORING	\$	34,296.71
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2000—PLANNING

2010—Next Generation Plan Development

February 1 meeting with administrator regarding revisions to plan update scope and next steps; revise plan update scope per administrator comments for February Commission meeting; review Commissioner Welch's comments on revised scope and discuss with administrator; and communications with administrator and internal staff regarding next steps.

Karen L. Chandler, Principal Engineer/Scientist 4.9 hours @ \$190.00 per hour	\$	931.00
Greg Williams, Engineer/Scientist/Specialist III 5.8 hours @ \$155.00 per hour	\$	899.00
Subtotal, 2010—Next Generation Plan Development.....	\$	1,830.00
SUBTOTAL, 2000—PLANNING.....	\$	1,830.00

4000—OUTREACH & EDUCATION

4010—Publications/Annual Report

Subtotal, 4010—Publications/Annual Report	\$	0.00
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SUBTOTAL, 4000—OUTREACH & EDUCATION	\$	0.00
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CAPITAL IMPROVEMENT PROJECTS

Sweeney Lake Water Quality Improvement Project (2020)(SL-8)

Perform Post Alum Treatment Monitoring

Plan for and estimate costs for 2022 lake water quality monitoring; internal communications; and communications with administrator.

Gregory Wilson, Engineer/Scientist/Specialist IV	
3.7 hours @ \$180.00 per hour	\$ 666.00
Technicians/Administrative	\$ 85.50
<i>Subtotal, Sweeney Lake Water Quality Impro Project (2020)(SL-8)....</i>	<i>751.50</i>

Schaper Pond Carp Management (SL-3)

Develop work scope for 2022 carp survey/monitoring; and communications with Carp Solutions.

Gregory Wilson, Engineer/Scientist/Specialist IV	
7.8 hours @ \$180.00 per hour	\$ 1,404.00
<i>Subtotal, Schaper Pond Carp Management (SL-3).....</i>	<i>\$ 1,404.00</i>

Main Stem Lagoon Dredging Project (2021) (BC-7)

Prepare draft MDNR permit applications for work in public waters permit; prepare draft USACE permit applications; follow up with MDNR on EAW comments; internal meetings, discussions, and review regarding pond benches and other design items; add existing utility information provided by Minneapolis staff to base maps; and coordination with Commission attorney on several project items; and communications with administrator and internal staff.

Karen L. Chandler, Principal Engineer/Scientist	
1.9 hours @ \$190.00 per hour	\$ 361.00
Patrick Brockamp, Engineer/Scientist/Specialist II	
12.4 hours @ \$135.00 per hour	\$ 1,674.00
Jessica Butler, Engineer/Scientist/Specialist II	
0.2 hours @ \$120.00 per hour	\$ 25.00
Tyler Conley, Engineer/Scientist/Specialist II	
6.4 hours @ \$110.00 per hour	\$ 704.00
<i>Subtotal, Main Stem Lagoon Dredging Project (2021)(BC-7)</i>	<i>\$ 2,764.00</i>

Bryn Mawr Meadows Water Quality Improvement Project (2020) (BC-5)

Prepare 90% project plans, engineering cost estimates and proposed approach for project specifications; prepare response-to-comments document to accompany 90% plans; geotechnical calculations and design support; update project area stormwater modeling; stormwater modeling of 90% design; prepare for and attend bi-weekly project coordination meetings with SRF, MPRB, and Minneapolis staff; prepare and provide bi-weekly project updates to administrator; and communications with project partners and internal staff.

Karen L. Chandler, Principal Engineer/Scientist	
3.2 hours @ \$190.00 per hour	\$ 608.00
Stephanie Johnson, Consultant/Advisor	
39.4 hours @ \$190.00 per hour	\$ 7,486.00
Jennifer Brekken, Engineer/Scientist/Specialist IV	
4.2 hours @ \$175.00 per hour	\$ 735.00
Michelle Kimble, Engineer/Scientist/Specialist IV	
22.3 hours @ \$165.00 per hour	\$ 3,679.50

Joe Dickerson, Engineer/Scientist/Specialist IV 18.2 hours @ \$170.00 per hour	\$ 3,094.00
Fred Rozumalski, Engineer/Scientist/Specialist IV 0.5 hours @ \$175.00 per hour	\$ 87.50
Timothy Anderson, Engineer/Scientist/Specialist IV 1.7 hours @ \$170.00 per hour	\$ 289.00
Benjamin Borree, Engineer/Scientist/Specialist IV 1.6 hours @ \$175.00 per hour	\$ 280.00
Greg Fransen, Engineer/Scientist/Specialist III 38.9 hours @ \$145.00 per hour	\$ 5,640.50
Josh P. Phillips, Engineer/Scientist/Specialist II 49.5 hours @ \$125.00 per hour	\$ 6,187.50
Brendan Dougherty, Engineer/Scientist/Specialist II 0.5 hours @ \$120.00 per hour	\$ 60.00
Kelly Wild, Engineer/Scientist/Specialist II 0.4 hours @ \$115.00 per hour	\$ 46.00
Jacob Daire, Engineer/Scientist/Specialist II 49.3 hours @ \$105.00 per hour	\$ 5,176.50
Edward Anderson, Engineer/Scientist/Specialist I 0.1 hours @ \$105.00 per hour	\$ 10.50
<i>Subtotal, Bryn Mawr Meadows Water Quality Improvement Project (2020) (BC-5)</i>	<i>\$ 33,380.00</i>
SUBTOTAL CAPITAL IMPROVEMENTS PROJECTS.....	\$ 38,299.50

ACCOUNTING CODE	BUDGET LINE ITEM	INVOICE AMOUNT
1000	ENGINEERING & MONITORING	
1010	Technical Services	\$12,341.00
1020	Development/Project Reviews	\$8,638.50
1030	Non-fee and Preliminary Reviews	\$3,944.00
1040	Commission and TAC Meetings	\$777.00
1050	Surveys and Studies	\$0.00
1060	Water Quality/Monitoring	\$3,866.58
1070	Water Quantity	\$628.63
1080	Annual Flood Control Project Inspections	\$0.00
1090	Municipal Plan Review	\$0.00
1100	Watershed Outlet Monitoring Program	\$0.00
1110	Annual XP-SWMM Model Updates/Reviews	\$4,101.00
1120	TMDL Implementation Reporting	\$0.00
1000	SUBTOTAL ENGINEERING & MONITORING	\$34,296.71
2000	PLANNING	
2010	Next Generation Plan Development	\$1,830.00
2000	SUBTOTAL PLANNING	\$1,830.00
4000	OUTREACH & EDUCATION	
4010	Publications/Annual Report	\$0.00
4040	2021 Watershed Bicycle Tour	\$0.00
4000	SUBTOTAL OUTREACH & EDUCATION	\$0.00
--	SUBTOTAL CAPITAL IMPROVEMENT PROJECTS	\$38,299.50
TOTAL PAYABLE		\$74,426.21

Please note our new remittance address

Remittance address:

Lockbox 446104

PO Box 64825

St Paul, MN 55164-0825

Barr declares under the penalties of law that this account, claim, or demand is just and that no part of it has been paid.

