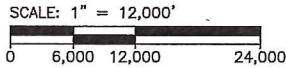
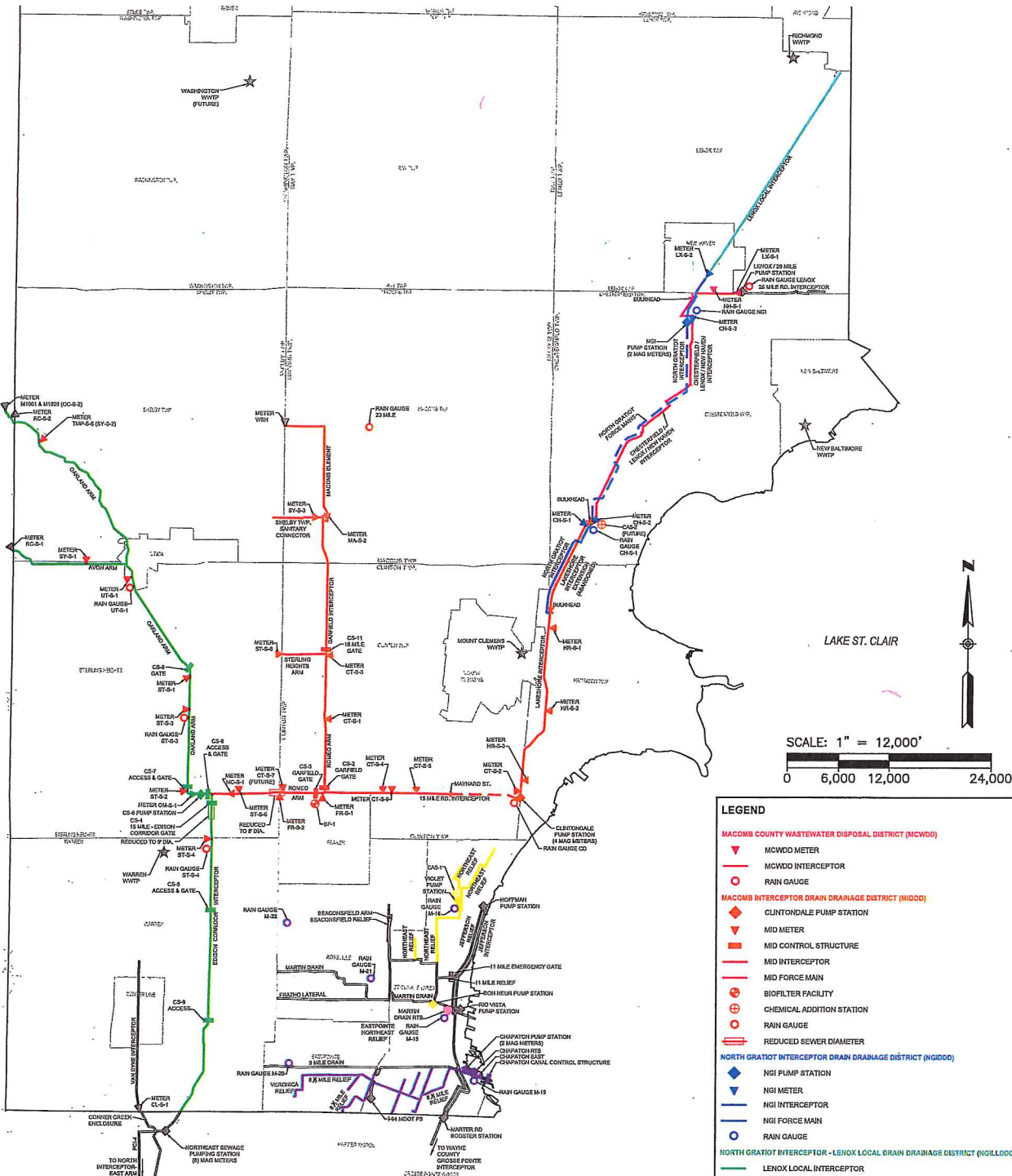


Miller
Santo
Klinefelt

LAKE ST. CLAIR CLEAN WATER INITIATIVE DRAIN
INTRA-COUNTY DRAINAGE BOARD
June 12, 2017
10:00 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for June 12, 2017	
3. Approval of Minutes for May 8, 2017	3
4. Public participation	
5. Consideration for approval of invoice (see attached)	5
6. Financial Report – Bruce Manning	7
7. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



- LEGEND**
- MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (MCWDD)**
 - ▼ MCWDD METER
 - MCWDD INTERCEPTOR
 - RAIN GAUGE
 - MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIDD)**
 - ◆ CLINTONDALE PUMP STATION
 - ◇ MID METER
 - ▬ MID CONTROL STRUCTURE
 - MID INTERCEPTOR
 - MID FORCE MAIN
 - ⊕ BIOFILTER FACILITY
 - ⊕ CHEMICAL ADDITION STATION
 - RAIN GAUGE
 - ▬ REDUCED SEWER DIAMETER
 - NORTH GRATIOT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)**
 - ◆ NGI PUMP STATION
 - ◇ NGI METER
 - NGI INTERCEPTOR
 - NGI FORCE MAIN
 - RAIN GAUGE
 - NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NGILLDD)**
 - LENOX LOCAL INTERCEPTOR
 - OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)**
 - ◆ CS-6 PUMP STATION
 - ◇ OMI METER
 - ▬ OMI CONTROL STRUCTURE
 - OMI INTERCEPTOR
 - ▬ REDUCED SEWER DIAMETER
 - 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT**
 - ◆ CHAPATON WEST PUMP STATION
 - ◇ CHAPATON RETENTION TREATMENT BASIN
 - ▬ CHAPATON CANAL CONTROL GATE
 - 8 1/2 MILE INTERCEPTOR
 - RAIN GAUGE
 - SOUTHEAST MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (SEMCWDD)**
 - ◆ SEMCWDS PUMP STATION
 - ⊕ CHEMICAL ADDITION STATION
 - SEMCWDS INTERCEPTOR
 - MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSDD)**
 - ◆ MARTIN DRAIN RETENTION TREATMENT BASIN
 - OTHER SYSTEMS**
 - ◆ PUMP STATION
 - ◇ METER
 - ★ WWTP
 - INTERCEPTOR

Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER



An adjourned meeting of the Intra-County Drainage Board for the **LAKE ST. CLAIR CLEAN WATER INITIATIVE DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on May 8, 2017, at 10:12 A.M.

PRESENT: Candice S. Miller, Chair
Bryan Santo, Member
Veronica Klinefelt, Member

ALSO PRESENT: Robert Mijac, Joseph Romano, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Emily Engleman, Administrative Assistant, Keith Graboske, P.E., Chief Engineer, Dan Heaton, Public Relations Manager, Vincent Astorino, Engineer II, Evans Bantios, Engineer II, Lynne Seymour, Environmental Engineer II, Thomas Stockel, Construction Engineer, Bruce Manning, Acting Financial Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Joe Nichols, Mayor, Fraser; Sermed Saif, Tri-County Engineering, representing Lenox Township; Benjamin Aloia, Aloia & Associates; Lou Urban, Anderson, Eckstein & Westrick, Inc.; Bryce Huffman, Michigan Radio; Jameson Cook, Macomb Daily; Christine Hall, Detroit Free Press; Amanda York, Representative Sander Levin's Office

The meeting was called to order by the Chair, Candice Miller. A motion was made by Ms. Klinefelt, supported by Mr. Santo and unanimously carried to approve the agenda as presented.

Minutes of the meeting of March 13, 2017 were presented and approved on a motion by Mr. Santo, supported by Ms. Klinefelt and unanimously carried.

The meeting was opened to public participation, then closed, there being no comments from the public.

There is a little over \$1 million in surplus funds available from bonds sold in 2004 for use by the City of St. Clair Shores. The Hetchler Relief Drain runs from I-94, along Masonic Blvd. with eventual discharge into Lake St. Clair at Memorial Beach. Memorial Beach has had a history of beach closures in past years. Discussions were held with Mayor Walby, St. Clair Shores regarding cleanout of the drain. Fishbeck, Thompson, Carr & Huber, Inc. has provided a proposal for professional engineering services to conduct a drain inspection to include GIS, manhole inspections, sewer inspections, cleaning of the outlet and a technical memorandum of findings at the conclusion of the project. There is \$169,000 in surplus funds that will be transferred to the Hetchler Relief Drain. The bonds were issued in 2004 for Project 19, a sewer separation project, on behalf of the City of St. Clair Shores. Payment is due on one final invoice before the project is complete. Bond counsel has reviewed the bond documents and given the okay to proceed with the transfer of funds. Ms. Seymour spoke about Macomb County Public Works, Macomb County Health Department and the Macomb County Department of Roads partnering when the stormwater permit was issued for Macomb County. At that time, all drain outfalls were tested. The problem with St. Clair Shores is it is under the influence of the lake and samples taken from the drain are actually lake water, which makes it difficult to perform a thorough investigation. The drains have to be dewatered to get an accurate assessment of the outfalls.

A motion to transfer \$169,000 of surplus Lake St. Clair Clean Water Initiative Drain funds to the Hetchler Relief Drain for the drain and sanitary sewer lead inspection project was made by Mr. Santo, supported by Ms. Klinefelt.

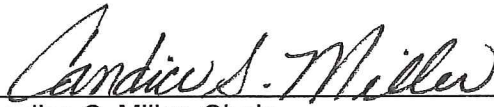
Ayes: Santo, Klinefelt, Miller

Nays: None

Motion approved.

A motion to receive and file the financial report given by Mr. Manning was made by Ms. Klinefelt, supported by Mr. Santo and unanimously carried.

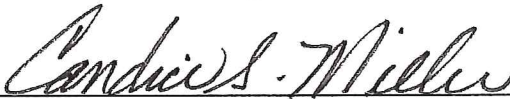
The meeting was adjourned at 10:26 a.m. on a motion by Mr. Santo, seconded by Ms. Klinefelt, and unanimously approved.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on May 8, 2017, the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 5/11/17

8704.bd

LAKE ST. CLAIR CLEAN WATER INITIATIVE - 6/12/17

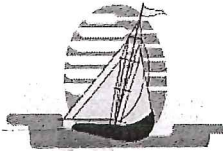
<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
Lake St. Clair Clean Water Initiative	Chapter 20 St. Clair Shores - 100%	Manning	City of St. Clair Shores	163,237.76	Reimbursement to City of St. Clair Shores	Construction costs related to Lake St. Clair Clean Water Initiative Project	

Total \$ 163,237.76

City of St. Clair Shores

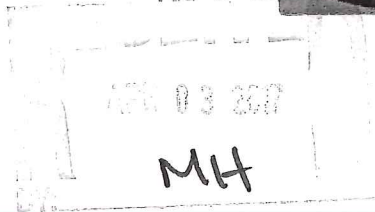
27600 Jefferson Avenue St. Clair Shores, MI 48081-2075
 Phone: (586) 447-3322 Fax: (586) 445-5245 www.scsmi.org

Mayor
 Kip C. Walby
Mayor Pro-Tem
 Chris M. Vitale
City Manager
 Michael E. Smith



Council Members:
 Peter A. Accica
 Ronald J. Frederick
 Peter A. Rubino
 Candice B. Rusie
 Chris M. Vitale

March 29, 2017



Ms. Candice Miller
 Macomb County Public Works Commissioner
 21777 Dunham Road
 Clinton Township, MI 48036-1005

RE: LSC – CWI Project 19

Dear Ms. Miller:

The invoices listed below for the following contractors are submitted and have been approved for payment by this office and verified for accuracy.

10/27/2016	Anderson, Eckstein & Westrick	111869	\$434.00
10/27/2016	Anderson, Eckstein & Westrick	111870	\$1,935.50
11/29/2016	Anderson, Eckstein & Westrick	112223	\$679.50
11/29/2016	Anderson, Eckstein & Westrick	112222	\$271.25
12/19/2016	Anderson, Eckstein & Westrick	112494	\$217.00
12/19/2016	Anderson, Eckstein & Westrick	112495	\$622.50
1/17/2017	Anderson, Eckstein & Westrick	112760	\$456.50
2/14/2017	Anderson, Eckstein & Westrick	113016	\$441.00
3/15/2017	Anderson, Eckstein & Westrick	113292	\$621.00
12/1/2016	Fontana Construction	Est 8	\$135,421.07
1/30/2017	Performance Pipelining	Est 12	\$22,138.44
	Total		\$163,237.76

pay

Thank you for your prompt reimbursement.

Sincerely,

Michael E. Smith
 City Manager

80300 @ 5678.25
 70100 @ 157,559.51

*Staff 6-20-17
 Deana 6-12-17*

Chg: LSCCW1 04B

HW 4 3 17 → 6-7-17

City Manager	_____
City Deputy	_____
Engineer (s)	_____
Manager (s)	_____
Coordinator (s)	_____
Finance Officer	<i>HW</i>

6 **PA036195**



ANDERSON, ECKSTEIN AND WESTRICK, INC.
CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
 51301 Schoenherr Road, Shelby Township, Michigan 48315
 Phone (586) 726-1234 Fax (586) 726-8780

Invoice

CITY OF ST. CLAIR SHORES
 CHRIS RAYES
 27600 JEFFERSON CIRCLE DR.
 ST. CLAIR SHORES, MI 48081

October 27, 2016
 Project No: 0211-0126-0
 Invoice No: 0111869

Project 0211-0126-0 LSCCWID-2010 OPENCUT REPAIR & PIPE BURST
 FOR: PROJECT 19

Professional Services from September 19, 2016 to October 16, 2016

RECEIVED
 NOV 07 2016
 COMMUNITY DEVELOPMENT

Phase 02 CONTRACT ADMINISTRATION

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
TEAM LEADER	3.00	108.50	325.50
MEETINGS			
TEAM LEADER	1.00	108.50	108.50
Totals	4.00		434.00
Total Labor			434.00

Billing Limits	Current	Prior	To-Date
Total Billings	434.00	53,038.33	53,472.33
Limit			60,000.00
Remaining			6,527.67

Total this Phase \$434.00

Total this Invoice \$434.00

Outstanding Invoices

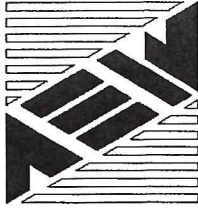
Number	Date	Balance
0111528	10/7/2016	271.25
Total		271.25

APPROVED
 NOV 09 2016
 BY *S. Hansen*

RECEIVED
 NOV 08 2016
 FINANCE DEPT.

ACCOUNT# 230-000-170-300
 VENDOR# 190 AMT: 434.00
 PO# _____
 DESC: 2010(LSCCWID) OPENCUT REPAIR - PIPE BURST
 AUTH: _____ #0211-0126-0
 DATE: 11-7-16 PAY: 16/17

Please include the project number and invoice number on your check.



ANDERSON, ECKSTEIN AND WESTRICK, INC.
CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
 51301 Schoenherr Road, Shelby Township, Michigan 48315
 Phone (586) 726-1234 Fax (586) 726-8780

Invoice

CITY OF ST. CLAIR SHORES
 CHRIS RAYES
 27600 JEFFERSON CIRCLE DR.
 ST. CLAIR SHORES, MI 48081

October 27, 2016
 Project No: 0211-0157-0
 Invoice No: 0111870

Project 0211-0157-0 LSCCWID- 2013 SAN SEWER REHAB BY SECTION
 FOR: SANITARY SEWER REHABILITATION BY SECTION CURED-IN-PLACE-PIPE (SCIPP)
Professional Services from September 19, 2016 to October 16, 2016

RECEIVED
 NOV 07 2016
 COMMUNITY DEVELOPMENT

Phase 00 DESIGN

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
TEAM LEADER	2.00	83.00	166.00
Totals	2.00		166.00
Total Labor			166.00
Total this Phase			\$166.00

Phase 01 CONSTRUCTION OBSERVATION

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVATION			
ENGINEERING AIDE III	23.50	70.00	1,645.00
CONSTRUCTION ADMINISTRATION			
TEAM LEADER	1.00	83.00	83.00
Totals	24.50		1,728.00
Total Labor			1,728.00

Billing Limits	Current	Prior	To-Date
Total Billings	1,728.00	96,499.00	98,227.00
Limit			99,000.00
Remaining			773.00
Total this Phase			\$1,728.00

Phase 02 CONTRACT ADMINISTRATION

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
TEAM LEADER	.50	83.00	41.50
Totals	.50		41.50
Total Labor			41.50

Billing Limits	Current	Prior	To-Date
Total Billings	41.50	42,356.90	42,398.40
Limit			45,000.00
Remaining			2,601.60

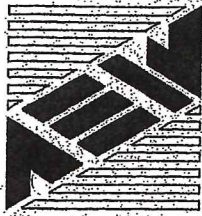
Please include the project number and invoice number on your check.

Total this Phase \$41.50
Total this Invoice \$1,935.50

APPROVED
NOV 09 2016
BY S. Hammy

RECEIVED
NOV 08 2016
FINANCE DEPT.

ACCOUNT# 230-000-170300
VENDOR# 190 AMT: 1,935.50
PO# _____
DESC: 2010 SAN. SEWER REHAB BY OPEN CUT
REPAIR & PIPE BU
AUTH: [Signature]
DATE: 11-7-16 FY: # 0211-0157



ANDERSON, ECKSTEIN AND WESTRICK, INC.
 CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
 51301 Schoenherr Road, Shelby Township, Michigan 48315
 Phone (586) 726-1234 Fax (586) 726-8780

Invoice

RECEIVED
 DEC 19 2016
FINANCE DEPT.

November 29, 2016
 Project No: 0211-0157-0
 Invoice No: 0112223

CITY OF ST. CLAIR SHORES
 CHRIS RAYES
 27600 JEFFERSON CIRCLE DR.
 ST. CLAIR SHORES, MI. 48081

RECEIVED
 DEC 14 2016
 COMMUNITY DEVELOPMENT

Project 0211-0157-0 LSCCWID- 2013 SAN SEWER REHAB BY SECTION
 FOR: SANITARY SEWER REHABILITATION BY SECTION CURED-IN-PLACE-PIPE (SCIPP)
Professional Services from October 17, 2016 to November 13, 2016

Phase 00 DESIGN
Professional Personnel:

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
TEAM LEADER	1.50	83.00	124.50
Totals	1.50		124.50
Total Labor			124.50
Total this Phase			\$124.50

Phase 01 CONSTRUCTION OBSERVATION
Professional Personnel:

	Hours	Rate	Amount
CONSTRUCTION ADMINISTRATION			
TEAM LEADER	5.00	83.00	415.00
Totals	5.00		415.00
Total Labor			415.00
Total this Phase			\$415.00

Billing Limits	Current	Prior	To-Date
Total Billings	415.00	98,227.00	98,642.00
Limit			99,000.00
Remaining			358.00

Phase 02 CONTRACT ADMINISTRATION
Professional Personnel:

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
ENGINEERING AIDE III	2.00	70.00	140.00
Totals	2.00		140.00
Total Labor			140.00
Total this Phase			\$140.00

Billing Limits	Current	Prior	To-Date
Total Billings	140.00	42,398.40	42,538.40
Limit			45,000.00
Remaining			2,461.60

ACCOUNT# 230-000-170300
 VENDOR# 190 AMT: 679.50
 DESC: 2013 SAN. SEWER REHAB (SCIPP) Total this Phase \$140.00

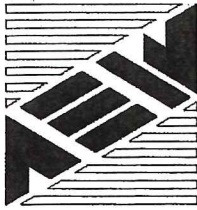
AUTH: (0211-0157-0) total this Invoice \$679.50

DATE: 12-14-16 FY: 16/17

APPROVED

DEC 19 2016

BY: *S. J. [Signature]*



ANDERSON, ECKSTEIN AND WESTRICK, INC.
 CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
 51301 Schoenherr Road, Shelby Township, Michigan 48315
 Phone (586) 726-1234 Fax (586) 726-8780

Invoice

RECEIVED
 DEC 19 2016
 FINANCE DEPT.

November 29, 2016
 Project No: 0211-0126-0
 Invoice No: 0112222

CITY OF ST. CLAIR SHORES
 CHRIS RAYES
 27600 JEFFERSON CIRCLE DR.
 ST. CLAIR SHORES, MI 48081

Project 0211-0126-0 LSCCWID-2010 OPENCUT REPAIR & PIPE BURST

FOR: PROJECT 19

Professional Services from October 17, 2016 to November 13, 2016

Phase 01 CONSTRUCTION OBSERVATION

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION ADMINISTRATION			
TEAM LEADER	1.50	108.50	162.75
Totals	1.50		162.75
Total Labor			162.75

Billing Limits	Current	Prior	To-Date
Total Billings	162.75	95,369.30	95,532.05
Limit			100,000.00
Remaining			4,467.95
	Total this Phase		\$162.75

Phase 02 CONTRACT ADMINISTRATION

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
TEAM LEADER	1.00	108.50	108.50
Totals	1.00		108.50
Total Labor			108.50

Billing Limits	Current	Prior	To-Date
Total Billings	108.50	53,472.33	53,580.83
Limit			60,000.00
Remaining			6,419.17
	Total this Phase		\$108.50

ACCOUNT# 230.000.170300 Total this Phase \$108.50

VENDOR# 190 AMT: 271.25 Total this Invoice \$271.25

PO# _____

DESC: LSCCWID - 2010 OPENCUT REPAIR : PIPE BURST

AUTH: [Signature] (0211-0126-0)

DATE: 12-14-16 FN: 15/17

APPROVED
 DEC 19 2016
 BY [Signature]

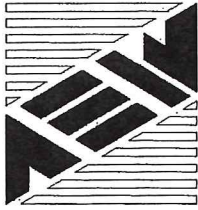
RECEIVED
 DEC 14 2016
 COMMUNITY DEVELOPMENT

Please include the project number and invoice number on your check.

RECEIVED
DEC 28 2016

COMMUNITY DEVELOPMENT

Invoice



ANDERSON, ECKSTEIN AND WESTRICK, INC.
CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
51301 Schoenherr Road, Shelby Township, Michigan 48315
Phone (586) 726-1234 Fax (586) 726-8780

RECEIVED
JAN 04 2017
FINANCE DEPT.

December 19, 2016
Project No: 0211-0126-0
Invoice No: 0112494

CITY OF ST. CLAIR SHORES
CHRIS RAYES
27600 JEFFERSON CIRCLE DR.
ST. CLAIR SHORES, MI 48081

Project 0211-0126-0 LSCCWID-2010 OPENCUT REPAIR & PIPE BURST
FOR: PROJECT 19

Professional Services from November 14, 2016 to December 11, 2016

Phase 01 CONSTRUCTION OBSERVATION

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION ADMINISTRATION			
TEAM LEADER	1.50	108.50	162.75
Totals	1.50		162.75
Total Labor			162.75

Billing Limits	Current	Prior	To-Date
Total Billings	162.75	95,532.05	95,694.80
Limit			100,000.00
Remaining			4,305.20
Total this Phase			\$162.75

Phase 02 CONTRACT ADMINISTRATION

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
TEAM LEADER	.50	108.50	54.25
Totals	.50		54.25
Total Labor			54.25

Billing Limits	Current	Prior	To-Date
Total Billings	54.25	53,580.83	53,635.08
Limit			60,000.00
Remaining			6,364.92
Total this Phase			\$54.25

Total this Invoice \$217.00

Outstanding Invoices

Number	Date	Balance
0112222	11/29/2016	271.25
Total		271.25

ACCOUNT# 230.000.170.300

VENDOR# 190 AMT: 217.00

PO# _____

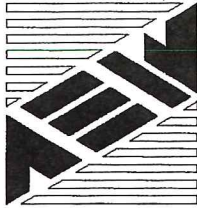
DESC: LSCCWID-2010 OPENCUT REPAIR

AUTH: [Signature] 0211-0126-0

DATE: 12-28-16 FY: 16/17

APPROVED
JAN 04 2017
Please include the project number and invoice number on your check.
BY [Signature]

RECEIVED
 DEC 28 2016
 COMMUNITY DEVELOPMENT



ANDERSON, ECKSTEIN AND WESTRICK, INC.
 CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
 51301 Schoenherr Road, Shelby Township, Michigan 48315
 Phone (586) 726-1234 Fax (586) 726-8780

Invoice

December 19, 2016
 Project No: 0211-0157-0
 Invoice No: 0112495

CITY OF ST. CLAIR SHORES
 CHRIS RAYES
 27600 JEFFERSON CIRCLE DR.
 ST. CLAIR SHORES, MI 48081

Project 0211-0157-0 LSCCWID- 2013 SAN SEWER REHAB BY SECTION ✓
 FOR: SANITARY SEWER REHABILITATION BY SECTION CURED-IN-PLACE-PIPE (SCIPP)

Professional Services from November 14, 2016 to December 11, 2016

Phase 00 DESIGN

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
TEAM LEADER	1.50	83.00	124.50
Totals	1.50		124.50
Total Labor			124.50
Total this Phase			\$124.50

Phase 01 CONSTRUCTION OBSERVATION

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION ADMINISTRATION			
TEAM LEADER	1.00	83.00	83.00
Totals	1.00		83.00
Total Labor			83.00

Billing Limits	Current	Prior	To-Date
Total Billings	83.00	98,642.00	98,725.00
Limit			99,000.00
Remaining			275.00
Total this Phase			\$83.00

Phase 02 CONTRACT ADMINISTRATION

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
GRADUATE ENG/SUR/ARC	5.00	83.00	415.00
Totals	5.00		415.00
Total Labor			415.00

Billing Limits	Current	Prior	To-Date
Total Billings	415.00	42,538.40	42,953.40
Limit			45,000.00
Remaining			2,046.60
Total this Phase			\$415.00

Please include the project number and invoice number on your check.

Total this Invoice \$622.50

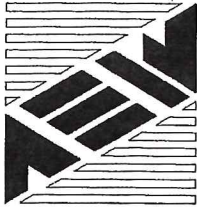
Outstanding Invoices

Number	Date	Balance
0112223	11/29/2016	679.50
Total		679.50

RECEIVED
 JAN 04 2017
FINANCE DEPT.

APPROVED
 JAN 04 2017
 BY: *[Signature]*

ACCOUNT# 230.000-170300
 VENDOR# 190 AMT: 622.50
 PO# _____
 DESC: 2013 SAN. SEWER REHAB
 AUTH: *[Signature]* 0211-0157-1
 DATE: 12.28.16 FY: 16/17



ANDERSON, ECKSTEIN AND WESTRICK, INC.
 CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
 51301 Schoenherr Road, Shelby Township, Michigan 48315
 Phone (586) 726-1234 Fax (586) 726-8780

Invoice

January 17, 2017
 Project No: 0211-0157-0
 Invoice No: 0112760

CITY OF ST. CLAIR SHORES
 CHRIS RAYES
 27600 JEFFERSON CIRCLE DR.
 ST. CLAIR SHORES, MI 48081

RECEIVED
 JAN 30 2017
 COMMUNITY DEVELOPMENT

Project 0211-0157-0 LSCCWID- 2013 SAN SEWER REHAB BY SECTION
 FOR: SANITARY SEWER REHABILITATION BY SECTION CURED-IN-PLACE-PIPE (SCIPP)
Professional Services from December 12, 2016 to January 08, 2017

Phase 00 DESIGN

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
TEAM LEADER	2.50	83.00	207.50
Totals	2.50		207.50
Total Labor			207.50
Total this Phase			\$207.50

Phase 02 CONTRACT ADMINISTRATION

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
GRADUATE ENG/SUR/ARC	2.00	83.00	166.00
CONSTRUCTION ADMINISTRATION			
TEAM LEADER	1.00	83.00	83.00
Totals	3.00		249.00
Total Labor			249.00

Billing Limits

	Current	Prior	To-Date
Total Billings	249.00	42,953.40	43,202.40
Limit			45,000.00
Remaining			1,797.60
Total this Phase			\$249.00

Total this Invoice \$456.50

RECEIVED
 FEB 01 2017
 FINANCE DEPT.

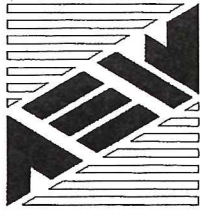
APPROVED
 FEB 02 2017
 BY: *S. M. M. M.*

ACCOUNT# 230.000.170300
 VENDOR# 190 AMT: 456.50
 PO# _____
 DESC: LSCCWID-13 SAN SEWER REHAB
 AUTH: _____ (SCIPP)
 DATE: 1-31-17 FN: 1/17 '0211-0157-0

Please include the project number and invoice number on your check.

RECEIVED
FEB 24 2017

COMMUNITY DEVELOPMENT



ANDERSON, ECKSTEIN AND WESTRICK, INC.
 CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
 51301 Schoenherr Road, Shelby Township, Michigan 48315
 Phone (586) 726-1234 Fax (586) 726-8780

Invoice

February 14, 2017
 Project No: 0211-0157-0
 Invoice No: 0113016

CITY OF ST. CLAIR SHORES
 CHRIS RAYES
 27600 JEFFERSON CIRCLE DR.
 ST. CLAIR SHORES, MI 48081

Project 0211-0157-0 LSCCWID- 2013 SAN SEWER REHAB BY SECTION
 FOR: SANITARY SEWER REHABILITATION BY SECTION CURED-IN-PLACE-PIPE (SCIPP)
Professional Services from January 09, 2017 to February 05, 2017

Phase 00 DESIGN

Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
TEAM LEADER	2.00	83.00	166.00	
Totals	2.00		166.00	
Total Labor				166.00
				Total this Phase \$166.00

Phase 01 CONSTRUCTION OBSERVATION

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION ADMINISTRATION				
TEAM LEADER	5.00	83.00	415.00	
Totals	5.00		415.00	
Total Labor				415.00

Billing Limits	Current	Prior	To-Date	
Total Billings	415.00	98,725.00	99,140.00	
Limit			99,000.00	
Adjustment				-140.00
				Total this Phase \$275.00

Total this Invoice \$441.00

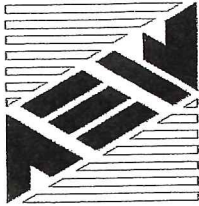
APPROVED
 MAR 02 2017
 BY *Shucman*

RECEIVED
 MAR 01 2017
 FINANCE DEPT.

ACCOUNT# 230.000.170.300
 VENDOR# 190 AMT: 441.00
 PO# _____
 DESC: 2013 SAN. SEWER REHAB (SCIPP)
 AUTH: 0211.0157.0
 DATE: 2-24-17 FY: 16/17

Please include the project number and invoice number on your check.

RECEIVED
MAR 27 2017



ANDERSON, ECKSTEIN AND WESTRICK, INC.
CIVIL ENGINEERS • SURVEYORS • ARCHITECTS
51301 Schoenherr Road, Shelby Township, Michigan 48315
Phone (586) 726-1234 Fax (586) 726-8780

COMMUNITY DEVELOPMENT
Invoice

March 15, 2017
Project No: 0211-0157-0
Invoice No: 0113292

CITY OF ST. CLAIR SHORES
CHRIS RAYES
27600 JEFFERSON CIRCLE DR.
ST. CLAIR SHORES, MI 48081

Project 0211-0157-0 LSCCWID- 2013 SAN SEWER REHAB BY SECTION
FOR: SANITARY SEWER REHABILITATION BY SECTION CURED-IN-PLACE-PIPE (SCIPP)
Professional Services from February 06, 2017 to March 05, 2017

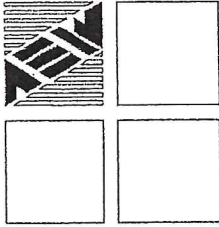
Phase 00 DESIGN

Professional Personnel

	Hours	Rate	Amount	
ENGINEERING PLAN REVIEW				
GRADUATE ENG/SUR/ARC	2.00	83.00	166.00	
GIS UPDATES				
ENGINEERING AIDE III	6.50	70.00	455.00	
Totals	8.50		621.00	621.00
Total Labor				621.00
		Total this Phase		\$621.00
		Total this Invoice		\$621.00

RECEIVED
MAR 28 2017
FINANCE DEPT.

ACCOUNT# 230-000-170300
VENDOR# 190 AMT: 621.00
PO#
DESC: LSCCWID - 2013 SAN SEWER REHA
AUTH: #0211-0157-0
DATE: 3-27-17 FY: 16/17



ANDERSON, ECKSTEIN AND WESTRICK, INC.

51301 Schoenherr Road, Shelby Township, Michigan 48315

Civil Engineers • Surveyors • Architects 586-726-1234

January 30, 2017

Chris Rayes, RA
Community Services Director
City of St. Clair Shores
27600 Jefferson Circle Drive
St. Clair Shores, Michigan 48081-9971

Reference: 2013 Sanitary Sewer Rehabilitation by Sectional Length
CIPP Lining in the City of St. Clair Shores, Lake St. Clair
Clean Water Initiative (St. Clair Shores, Roseville, Eastpointe) Drain
AEW Project No. 0211-0157

Dear Mr. Rayes:

Enclosed please find Final Estimate No. 12, Final Balancing Contract Modification No. 2 along with Consent of Surety and Sworn Statement for the above referenced project, we recommend payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$22,138.44** be made to Performance Pipelining, Inc. 1551 W. Norris Dr., Ottawa, IL 61350.

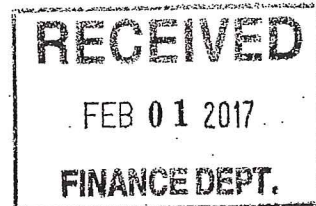
Please sign the Contract Modification and email back to me for our files.

If you need additional information, please feel free to contact our office.

Sincerely,

Frank D. Varicalli
Project Manager

cc: Thomas R. Stockel, Macomb Office of Public Works
Performance Pipelining, Inc.





Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/4/2016 11:02 AM

FieldManager 5.2a

Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
0211-0157, SCIPP	0012	\$11,506.50	\$0.00	\$11,506.50
Voucher Total:				\$11,506.50

Summary

Current Voucher Total:	\$11,506.50	Earnings to date:	\$379,406.18
-Current Retainage:	(\$20,766.94)	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$10,125.00	- Adjustments to date:	\$54,000.00
Total Estimated Payment:	\$22,138.44	Net Earnings to date:	\$325,406.18
		- Payments to date:	\$303,267.74
		Net Earnings this period:	\$22,138.44

Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document.

Prepared by: Anderson Eckstein and Westrick, Inc.

Frank J. Dawill Date 1-31-17

Reviewed by: City of St. Clair Shores
Chris Rayes
DN: cn=Chris Rayes, o=St. Clair Shores,
ou=Director, email=chris@scsmi.net, c=US
Date: 2017.01.31 11:00:00

Chris Rayes, RA AICP - Community Services Dir.

Michael Smith Date 1-31-17
Michael Smith - City Manager

Vendor Number **15483**
We hereby certify that sufficient funds are
in Acct # **230-000-170300** y
and that the amount due is budgeted for
such purpose. **\$ 22,138.44** y

Douglas M. Haag Date 1/31/17
Douglas M. Haag - Finance Dir / Treasurer

R.K.

Performance Pipelining, Inc.

12/20/16
(Date)



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/4/2016 11:02 AM

FieldManager 5.2a

Contract: .0211-0157, LSCCWID, Sanitary Sewer Rehab by SCIPP

Estimate No.	Estimate Date	Entered By	Estimate Type	Managing Office
12	11/4/2016	Bradley M Smith	Final	Anderson, Eckstein and Westrick
All Contract Work Completed 10/14/2016		Construction Started Date 3/25/2014	Prime Contractor Performance Pipelining, Inc. 1551 W. Norris Dr. Ottawa IL 61350	
Comments Current Contract Amount = \$379,406.16 Percent Complete = 100% 15 Crew Days charged for onsite inspection (\$10,125.00), contractor was over on days worked.				

Item Usage Summary

Project: 0211-0157, SCIPP

Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Digital Copy (DVD) of All Video	LS	8507051	0225	0225	00	000	1.000	1,000.00	\$1,000.00
_ Digital Copy (External Hard Drive) of All Reports and Video	LS	8507051	0230	0230	00	000	1.000	2,000.00	\$2,000.00
_ Sanitary Lateral, Reinstate	Ea	4027050	0075	0075	00	000	4.000	425.00	\$1,700.00
_ Sanitary Sewer, CIPP, 10 inch, Sectional 03 foot	Ea	4027050	0105	0105	00	000	1.000	1,475.00	\$1,475.00
_ Sanitary Sewer, CIPP, 15 inch, Sectional 15 foot	Ea	4027050	0180	0180	00	000	2.000	2,600.00	\$5,200.00
_ Sanitary Sewer, Post-Construction, CCTV, 10 inch	Fl	4027001	0040	0040	00	000	43.000	0.50	\$21.50
_ Sanitary Sewer, Post-Construction, CCTV, 15 inch	Fl	4027001	0050	0050	00	000	110.000	1.00	\$110.00

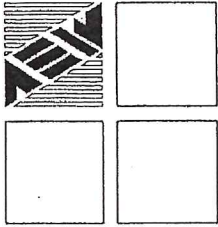
Subtotal for Category 0000: \$11,506.50

Subtotal for Project 0211-0157: \$11,506.50

Total Estimated Item Payment: \$11,506.50

Time Charges

Site - Site Description	Site Method	Days Charged	Liq. Damages
00 SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
Total Liquidated Damages:			\$0



ANDERSON, ECKSTEIN AND WESTRICK, INC.

51301 Schoenherr Road, Shelby Township, Michigan 48315
Civil Engineers • Surveyors • Architects 586-726-1234

December 1, 2016

Chris Rayes, RA
Community Services Director
City of St. Clair Shores
27600 Jefferson Circle Drive
St. Clair Shores, Michigan 48081-9971

Reference: 2010 Sanitary Sewer Rehabilitation by Open Cut Repair and Pipe Burst
In the City of St. Clair Shores
Lake St. Clair Clean Water Initiative
(St. Clair Shores-Roseville-Eastpointe) Drain
AEW Project No. 0211-0126

Dear Mr. Rayes:

Enclosed please find Final Estimate No. 8, Final Balancing Contract Modification No. 3 along with Consent of Surety and Sworn Statement for the above referenced project, we recommend payment for the **Net Earnings this Period (see Page 3)** in the amount of **\$135,421.07** be made to Fontana Construction Inc. 12357 Forest Glen, Shelby Twp., Mi 48315.

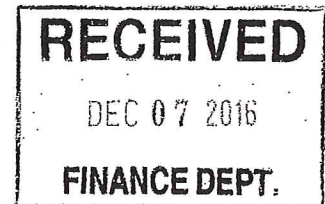
Please sign the Contract Modification and email back to me for our files.

If you need additional information, please feel free to contact our office.

Sincerely,

Frank D. Varicalli
Project Manager

cc: Thomas R. Stockel, Macomb Office of Public Works
Fontana Construction, Inc.





Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/4/2016 12:59 PM

FieldManager 5.2a

Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document.

Prepared by: Anderson Eckstein and Westrick, Inc.

James J. Danielli Date 12-1-16

Reviewed by: City of St. Clair Shores

Chris Rayes Date _____
Chris Rayes, RAAICP - Community Services Dir.

Vendor Number 12714
We hereby certify that sufficient funds are
in Acct # 230-000-170-300 # 135,421.07
and that the amount due is budgeted for
such purpose.

Michael Smith Date 12-5-16
Michael Smith - City Manager

Douglas M. Haag Date 12-5-16
Douglas M. Haag - Finance Dir / Treasurer

[Signature] 11-21-16
Fontana Construction Inc. (Date)



Anderson, Eckstein and Westrick, Inc.

Construction Pay Estimate Report

11/4/2016 12:59 PM

FieldManager 5.2a

Contract: .0211-0126, L.S.C.C.W.I.D. 2010 Sanitary Rehabilitation by Open Cut Repa

Estimate No. 8	Estimate Date 11/4/2016	Entered By Bradley M Smith	Estimate Type Final	Managing Office Anderson Eckstein and Westrick
All Contract Work Completed 2/5/2016	Construction Started Date 7/28/2010	Prime Contractor Fontana Construction Inc. 12357 Forest Glen Shelby Township MI 48315		
Comments Current Contract Amount = \$1,188,335.26 Percent Complete = 100%				

Item Usage Summary

Project: Open Cut (021, The work under this Project includes all the work required t
Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Emergency Sanitary Sewer Repair 10 Mile / Nelson	LS	8127051	0390	0220	SA	002	1.000	9,175.00	\$9,175.00
_ Emergency Sanitary Sewer Repair 20800 Yale	LS	8127051	0430	0260	SA	002	1.000	3,398.75	\$3,398.75
_ Emergency Sanitary Sewer Repair 21701 Chalon	LS	8127051	0440	0270	SA	002	1.000	2,655.00	\$2,655.00
_ Emergency Sanitary Sewer Repair 21750 Edmunton	LS	8127051	0365	0195	SA	002	1.000	4,100.00	\$4,100.00
_ Emergency Sanitary Sewer Repair 21761 Chalon	LS	8127051	0380	0210	SA	002	1.000	4,300.00	\$4,300.00
_ Emergency Sanitary Sewer repair 21800 Kramer	LS	8127051	0335	0165	SA	002	1.000	1,871.00	\$1,871.00
_ Emergency Sanitary Sewer Repair 21824 Kramer	LS	8127051	0330	0160	SA	002	1.000	2,741.00	\$2,741.00
_ Emergency Sanitary Sewer Repair 22131 Edmunton	LS	8127051	0415	0245	SA	002	1.000	4,320.00	\$4,320.00
_ Emergency Sanitary Sewer Repair 23010 Sanders	LS	8127051	0420	0250	SA	002	1.000	4,655.00	\$4,655.00
_ Emergency Sanitary Sewer Repair 23012 California	LS	8127051	0340	0170	SA	002	1.000	1,244.00	\$1,244.00
_ Emergency Sanitary Sewer Repair 23012 California	LS	8127051	0350	0180	SA	002	1.000	6,830.00	\$6,830.00
_ Emergency Sanitary Sewer Repair 24509 Star Valley	LS	8127051	0385	0215	SA	002	1.000	2,100.00	\$2,100.00
_ Emergency Sanitary Sewer Repair 25837 Jefferson	LS	8127051	0355	0185	SA	002	1.000	14,920.00	\$14,920.00
_ Emergency Sanitary Sewer Repair 26128 Culver	LS	8127051	0360	0190	SA	002	1.000	5,810.00	\$5,810.00

Contract ID: .0211-0126

Estimate: 8

Page 1 of 4



Anderson, Eckstein and Westrick, Inc.

Construction Pay Estimate Report

11/4/2016 12:59 PM

FieldManager 5.2a

Item Usage Summary

Project: Open Cut (021, The work under this Project includes all the work required t

Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Emergency Sanitary Sewer Repair 26510 Harper	LS	8127051	0435	0265	SA	002	1.000	2,940.20	\$2,940.20
_ Emergency Sanitary Sewer Repair 27940 Gladstone	LS	8127051	0370	0200	SA	002	1.000	5,742.00	\$5,742.00
_ Emergency Sanitary Sewer Repair Ardmore / Little Mack Intersection	LS	8127051	0345	0175	SA	002	1.000	10,069.00	\$10,069.00
_ Emergency Sanitary Sewer Repair Rockwood / 11 Mile	LS	8127051	0375	0205	SA	002	1.000	9,804.00	\$9,804.00
_ Emergency Sanitary Sewer Repairs 20815 Crowley	LS	8127051	0405	0235	SA	002	1.000	4,953.00	\$4,953.00
_ Emergency Sanitary Sewer Repairs 20818 Benjamin	LS	8127051	0410	0240	SA	002	1.000	4,190.00	\$4,190.00
_ Emergency Sanitary Sewer Repairs 22200 Centennial	LS	8127051	0400	0230	SA	002	1.000	4,888.00	\$4,888.00
_ Emergency Sanitary Sewer Repairs 22800 12 Mile	LS	8127051	0395	0225	SA	002	1.000	6,250.00	\$6,250.00
_ Emergency Sanitary Sewer Repairs 33613 Jefferson	LS	8127051	0425	0255	SA	002	1.000	1,500.00	\$1,500.00
_ Remove Pavement and Replace with 8 inch Conc (P1, 6 Sack)	Syd	6037011	0095	0095	00	000	34.500	45.00	\$1,552.50
_ Remove Walk and Replace with 4 inch Conc Walk (P1, 6 Sack)	Sft	8037010	0120	0120	00	000	123.030	3.20	\$393.70
_ Remove Walk/Drive and Replace with 6 inch Conc Walk/Drive (P1, 6 Sack)	Syd	8017011	0110	0110	00	000	12.220	36.00	\$439.92

Subtotal for Category 0000: \$120,842.07

Subtotal for Project Open Cut (021): \$120,842.07

Project: Pipe Burst (0, The work under this Contract includes all the work required

Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Digital Copy (DVD) of Video Footage	LS	8507051	0320	0320	00	000	0.500	500.00	\$250.00
_ Install 6 inch Dia. 2-Way PVC Clean-Out	Ea	4027050	0200	0200	00	000	9.000	300.00	\$2,700.00



Anderson, Eckstein and Westrick, Inc.

Construction Pay Estimate Report

11/4/2016 12:59 PM

FieldManager 5.2a

Item Usage Summary

Project: Pipe Burst (0, The work under this Contract includes all the work required
Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
Video Taping Sewer and Culv Pipe Pre and Post Video of Sanitary Sewer to be Pipe Burst	Ft	4021275	0175	0175	00	000	814.500	2.00	\$1,629.00
Subtotal for Category 0000:									\$4,579.00
Subtotal for Project Pipe Burst (0:									\$4,579.00
Total Estimated Item Payment:									\$125,421.07

Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages.
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
Total Liquidated Damages:				\$0

Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
Open Cut (021, The work under this Project includes all the work required t	0008	\$120,842.07	\$0.00	\$120,842.07
Pipe Burst (0, The work under this Contract includes all the work required	0008	\$4,579.00	\$0.00	\$4,579.00
Voucher Total:				\$125,421.07

Summary

Current Voucher Total:	\$125,421.07	Earnings to date:	\$1,188,335.26
-Current Retainage:	(\$10,000.00)	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$44,000.00
Total Estimated Payment:	\$135,421.07	Net Earnings to date:	\$1,144,335.26
		- Payments to date:	\$1,008,914.19
		Net Earnings this period:	\$135,421.07

YTD Trial Balance

Fund: LSCCWI 2004 B

As of Fiscal Period: Oct 1, 2016-May 31, 2017

	O&M Balance 9/30/2016	O&M	Total 5/31/2017
Cash - Operating	1,530,802.28	(556,121.91)	974,680.37
Accounts Receivable			0.00
Assets			0.00
Liabilities	390,342.30	(227,104.54)	163,237.76
Revenues		6,130.51	6,130.51
Expenditures		335,147.88	335,147.88
Equity	1,140,459.98		811,442.61