

SRF ANALYSIS SHEET

POOL 20

City of Revere
CWSRF 3832
CW-13-16A

Consultant: CDM Smith
Steve Callahan
617-452-5719
Inspector: Kelly Taylor

Project: Sewer System Improvements

REQUEST NO. 27

CATEGORY	LOAN AMOUNT	CUMULATIVE DISBURSEMENT	REMAINING BALANCE	PERCENTAGE COMPLETE
Technical Services	\$ 1,500,000.00	\$ 1,198,973.45	\$ 301,026.55	79.93%
Construction: 1	\$ 4,007,950.00	\$ 3,911,640.32	\$ 96,309.68	97.60%
Construction: 2	\$ 594,648.00	\$ 594,647.23	\$ 0.77	100.00%
Construction: 4 (1A)	\$ 731,605.00	\$ 731,605.00	\$ -	100.00%
Construction: 4 (1B)	\$ 1,055,637.00	\$ 953,274.00	\$ 102,363.00	90.30%
Contingency	\$ 506,140.00	\$ -	\$ 506,140.00	0.00%
Administration-Police	\$ 700,000.00	\$ 523,830.01	\$ 176,169.99	74.83%
Construction: WW-001 (Phase II)	\$ 35,861.00	\$ 35,861.00	\$ -	100.00%
Construction: WW-003 (Phase II)	\$ 19,440.00	\$ 19,439.00	\$ 1.00	99.99%
Construction: WW-005	\$ 298,719.00	\$ 133,581.00	\$ 165,138.00	
			\$ 1,347,148.99	
TOTAL	\$ 9,450,000.00	\$ 8,102,851.01	\$ 1,347,148.99	

MBE/WBE Notification YES

CWP-13-16 \$ 7,378,232.00
CW-13-16A \$ 2,071,768.00
\$ 9,450,000.00

Total Disbursed: \$ 8,102,851.01
Prior Disbursed: \$ 7,739,869.01
Current Request: **\$ 362,982.00**
Request No.: 27

Contract 2: CO 2?

Total Disbursed: \$ 8,102,851.01
Total Loan: \$ 9,450,000.00

Percentage Loan Complete 85.74%

LOAN CWP-13-16	DATE DISBURSED
Disbursement # 1	\$ 233,502.96 7/24/2014
Disbursement # 2	\$ 480,808.65 9/25/2014
Disbursement # 3	\$ 1,164,196.59 10/23/2014
Disbursement # 4	\$ 1,186,782.70 11/25/2014
Disbursement # 5	\$ 838,055.57 1/29/2015
Disbursement # 6	\$ 730,818.19 2/26/2015
Disbursement # 7	\$ 68,753.21 4/15/2015
Disbursement # 8	\$ 40,795.25 5/21/2015
Disbursement # 9	\$ 39,824.92 5/21/2015
Disbursement # 10	\$ 54,448.97 6/11/2015
Disbursement # 11	\$ 25,014.00 7/23/2015
Disbursement # 12	\$ 21,558.00 8/20/2015
Disbursement # 13	\$ 562,164.00 9/13/2015
Disbursement # 14	\$ 256,425.00 10/22/2015
Disbursement # 15	\$ 281,415.00 11/20/2015
Disbursement # 16	\$ 50,396.00 12/23/2015
Disbursement # 17	\$ 32,356.00 1/21/2016
Disbursement # 18	\$ 37,567.00 2/18/2016
Disbursement # 19	\$ 158,945.00 3/17/2016
Disbursement # 20	\$ 245,205.00 4/21/2016
Disbursement # 21	\$ 406,280.00 5/19/2016
Disbursement # 22	\$ 303,316.00 6/23/2016
Disbursement # 23	\$ 159,603.99 7/20/2016
TOTAL	\$ 7,378,232.00 LOAN CLOSED

split w/CWP-13-16A

LOAN CW-13-16A	DATE DISBURSED
Disbursement # 1	\$ 2,234.01 7/24/2014
Disbursement # 2/24	\$ 8,219.00 8/18/2016
Disbursement # 3/25	\$ 7,843.00 9/22/2016
Disbursement # 4/26	\$ 48,616.00 12/1/2016
Disbursement # 5/27	\$ 294,725.00 12/22/2016
Disbursement # 6/28	\$ 362,982.00 1/26/2017
TOTAL	\$ 724,619.01 \$ 1,347,148.99

split w/CWP-13-16

**DEPARTMENT OF ENVIRONMENTAL
BUREAU OF RESOURCE PRO**

PAYMENT REQUISITION

01-13-164

LOAN NO.: <u>CWP 13-164</u>	REQUISITION NO.:
DMS PROJECT NO.: <u>CWSRF 3832</u>	
LEGAL NAME AND ADDRESS OF BORROWER:	
City of Revere	PAYEE:
281 Broadway	City of
Revere, Massachusetts 02151	PAYMENT:
	ACCOUNT:

SRF DMS OFFICE COPY	
RECEIVED:	<u>1/24/17</u>
PRIORITY:	<u>17-370</u>
POOL:	<u>20</u>
TO TRUST:	<u>1/26/17</u>
REVIEWER:	<u>AD</u>

EXPENDITURE TYPE	APPROVED AMOUNT \$		
Technical Services - CDM	\$ 1,500,000.00	\$ 1,198,973.09 ⁴⁵	\$ -
Contract No.: WW-001	\$ 4,007,950.00	\$ 3,751,264.32	\$ 160,376.00
Contract No.: WW-002	\$ 594,647.00	\$ 589,647.23	\$ 5,000.00
Contract No.: WW-004 (1A)	\$ 731,605.00	\$ 716,973.00	\$ 14,632.00
Contract No.: WW-004 (1B)	\$ 1,055,637.00	\$ 912,775.00	\$ 40,499.00
Contract No.: WW-001 (Phase II)	\$ 35,861.00	\$ 35,861.00	\$ -
Contract No.: WW-003 (Phase II)	\$ 19,440.00	\$ 19,439.00	\$ -
Contract No.: WW-005	\$ 298,719.00	\$ -	\$ 133,581.00
Contingency	\$ 506,149.00		
Police	\$ 700,000.00	\$ 514,936.01	\$ 8,894.00
Totals	\$ 9,450,000.00	\$ 7,739,868.65 ⁹⁰¹	\$ 362,982.00

CERTIFICATION OF THE BORROWER:

The Authorized Representative of the Borrower identified below certifies the following:

- (i) This payment is for Project Costs and the obligations specified herein have not been the basis for a prior requisition that has been paid;
- (ii) there has been no Default, as defined in the Regulatory Agreement hereunder or no Event of Default as defined in the Loan Agreement, and no event or condition exists which, after notice or lapse of time or both, would become a Default under the Regulatory Agreement or an Event of Default under the Loan Agreement exists; and
- (iii) the payment requested by this requisition is due for work actually performed or materials or property actually supplied prior to the date of this requisition less retainage.

Signature: George M. Anzuoni Date: 1/18/17
 Print Name: George M. Anzuoni
 Title: Director of Finance

(To be completed by the DEP Division of Municipal Services)

Amount Requested: \$ 362,982.00 Amount Approved: \$ 362,982.00

Signature: Steven J. McCurdy Date: 1/26/2017

Print Name: Steven J. McCurdy
 Title: Director of Program Development

LOAN SUMMARY

Loan No.:	CWP-13-16 & 16(A)
DMS Project No.:	CWSRF 3832
Project Description:	Sewer System Improvements
Task/Contract No.:	

REQUEST NO.: 28

DATE: 1/12/2017

CONTRACT TASK	APPROVED LOAN	PRIOR REQUESTED REIMBURSEMENT	CURRENT REQUESTED REIMBURSEMENT	TOTAL REQUESTED REIMBURSEMENT	% COMP	OVERRUN
Technical Services - CDM	\$ 1,500,000.00	\$ 1,198,973.09	\$ -	\$ 1,198,973.09	80%	
Const. Contract No.: WW-001	\$ 4,007,950.00	\$ 3,751,264.32	\$ 160,376.00	\$ 3,911,640.32	98%	
Const. Contract No.: WW-002	\$ 594,647.00	\$ 589,647.23	\$ 5,000.00	\$ 594,647.23	100%	
Const. Contract No.: WW-004 (1A)	\$ 731,605.00	\$ 716,973.00	\$ 14,632.00	\$ 731,605.00	100%	
Const. Contract No.: WW-004 (1B)	\$ 1,055,637.00	\$ 912,775.00	\$ 40,499.00	\$ 953,274.00	90%	
Contract No.:WW-001 (Phase II)	\$ 35,861.00	\$ 35,861.00	\$ -	\$ 35,861.00	100%	
Contract No.:WW-003 (Phase II)	\$ 19,440.00	\$ 19,439.00	\$ -	\$ 19,439.00	100%	
Const. Contract No.: WW-005	\$ 298,719.00	\$ -	\$ 133,581.00	\$ 133,581.00	45%	
Contingency	\$ 506,141.00					
Police	\$ 700,000.00	\$ 514,936.01	\$ 8,894.00	\$ 523,830.01	75%	
	\$ 9,450,080.00	\$ 7,739,868.65	\$ 362,982.00	\$ 8,102,850.65	86%	

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Summary

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RESOURCE PROTECTION**

PERIODIC PAYMENT FORM

(Contractor's Request)

LOAN NO.: CWP-13-16 & 16(A) DMS PROJECT NO.: CWSRF 3832 CONTRACT NO.: WW-001				DESCRIPTION OF CONTRACT / TASK: Sewer System Rehabilitation Phase IV			
CONTRACTOR NAME & ADDRESS: National Water Main Cleaning Co. 25 Marshall Street Canton, MA 02021				REQUEST NO.: <u>28</u>			
CONSULTANT ENGINEER NAME & ADDRESS: CDM Smith 75 State Street Suite 701 Boston, Massachusetts 02109				PAYMENT PERIOD: From 12/1/2016 To 12/31/2016 CONTRACT SERVICE DATES: From 12/1/2016 To 12/31/2016			

EXPENDITURE TYPE	APPROVED COST \$	PREVIOUS REQUESTS		THIS REQUEST \$	CUMULATIVE REQUESTS		REMAINING BALANCE \$
		%	\$		%	\$	
Construction	\$ 4,007,950.00	94%	\$ 3,751,264.32	\$160,376.00	98%	\$ 3,911,640.32	\$ 96,309.68
				✓			
MBE/WBE Subcontractors							
Jimenez & Sons Construction	\$ 130,594.19	290%	\$378,894.23				
Metro Equipment Corp.	\$ 145,958.21	97%	\$141,427.22				
Total	\$ 4,007,950.00	94%	\$ 3,751,264.32	\$160,376.00	98%	\$ 3,911,640.32	\$ 96,309.68

I certify that to the best of my belief and knowledge, (i) that the attached invoices are in accordance with the specifications of the approved project plans; and (ii) that all work in place as of this date are in accordance with the terms of the above referenced Construction Contract.	BY THE CONTRACTOR	Certified by: <u><i>Paul Leaver</i></u> Type Name and Title: <u>Paul Leaver</u> <u>Office Manager</u>	Date Signed <u>1/16/17</u>
	BY THE CONSULTING ENGINEER	Recommended by: <u><i>Steven R Callahan</i></u> Type Name and Title: <u>Steven R Callahan</u> <u>Project Manager</u>	Date Signed <u>1-16-17</u>
	BY THE PROJECT INSPECTOR	THE WORK AS INVOICED HERE TO DATE APPEARS REASONABLE AND THE WORK IS RECOMMENDED FOR LOAN DISBURSEMENT <u><i>Kelly Taylor</i></u> SIGNATURE <u>Kelly Taylor</u> PRINT NAME DEPI/BRP PROJECT INSPECTOR	Date Signed <u>3-10-17</u> Telephone <u>617 292 5817</u>

Task/Contract No.: WW-001

Contrac

APPLICATION AND CERTIFICATION FOR PAYMENT

To: City of Revere
281 Broadway
Revere, MA 02151

From: National Water Main Cleaning Co.
25 Marshall Street
Canton, MA 02021

Project: City of Revere
Sewer System Rehabilitation- Phase IV
CWSRF 3832
Contract No. WW-001
Engineer: CDM Smith
75 State Street, Suite 701
Boston, MA 02109

Estimate No. 12
Date: 1/3/2017
Period: 12/1/2016 12/31/2016
Project # CWSRF-3518
Job # REV001-9

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CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY		ADDITIONS	DEDUCTIONS
Change Orders approved in previous months by owner	Total		
Approved this Month			
Number	Date Approved		
CO2	12/23/16	\$166,944.73	
Totals		\$166,944.73	
Net change by change orders		\$166,944.73	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief, the work covered by this Application for Payment has been completed in accordance with the contract documents.

Contractor: National Water Main Cleaning Co.

By: 

Date: 1/12/17

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Engineer certifies to the Owner that to the best of the Engineer(s) knowledge, information and belief the work has progressed as indicated, the quality of the work is in accordance with the Contract documents, and the Contractor is entitled to the payment of the amount certified.

Engineer: Camp Dresser & McKee
Amount Certified:
\$160,375.84

By: 

Myles Johnson - CDM-Smith

Date: 1-13-17

By: 

Steven R. Callahan - CDM-Smith (PM)

Date: 1-16-17

Application is made for Payment, as shown below, in connection with the Contract.

1) ORIGINAL CONTRACT SUM	\$3,841,005.75
2) Net change by change order	\$166,944.73 ✓
3) CONTRACT SUM TO DATE	\$4,007,950.48
4) TOTAL COMPLETED & STORED TO DATE	\$4,005,459.92 ✓
5) RETAINAGE:	
a. % of completed work	\$93,819.62
b. withholdings	\$0.00
total a & b	\$93,819.62
6) TOTAL EARNED LESS RETAINAGE	\$3,911,640.30
7) LESS PREVIOUS ESTIMATES	\$3,751,264.46
8) PAYMENT DUE THIS ESTIMATE	\$160,375.84 ✓
9) BALANCE TO FINISH, PLUS RETAINAGE	\$96,310.18

City of Revere

By:

Date:

Director of Planning

By:

Date:

Superintendent of Public Works

By:

Date:

City Engineer

To: City of Revere
281 Broadway
Revere, MA 02151

Project: City of Revere
Sewer System Rehabilitation- Phase IV
CWSRF 9832
Contract No. WW-001

Estimate No. 12
Date: 1/3/2017
Period: 12/1/2016
Job # REV001-9
12/31/2016

Item No.	Description	Unit	Est. quantity	Unit Price	Contract Amount	work done this period est. qty	previous estimates amount	work completed to date est. qty	percent complete
1	8" CIPP	LF	3200	\$ 29.05	\$ 92,960.00	0.00	\$0.00	2564.50	80%
1.1	Light Cleaning and TV inspection for Item 1	LF	3200	\$ 2.00	\$ 6,400.00	0.00	\$0.00	3288.00	103%
2	10" CIPP	LF	2800	\$ 33.15	\$ 92,820.00	0.00	\$0.00	631.00	23%
2.1	Light Cleaning and TV inspection for Item 2	LF	2800	\$ 2.00	\$ 5,600.00	0.00	\$0.00	786.00	28%
3	12" CIPP	LF	1000	\$ 37.25	\$ 37,250.00	0.00	\$0.00	2095.00	210%
3.1	Light Cleaning and TV inspection for Item 3	LF	1000	\$ 2.00	\$ 2,000.00	0.00	\$0.00	2147.00	215%
4	15" CIPP	LF	1000	\$ 7.00	\$ 7,000.00	0.00	\$0.00	0.00	0%
4.1	Light Cleaning and TV inspection for Item 4	LF	1000	\$ 3.00	\$ 3,000.00	0.00	\$0.00	1161.00	116%
5	18" CIPP	LF	1900	\$ 7.00	\$ 13,300.00	0.00	\$0.00	0.00	0%
5.1	Light Cleaning and TV inspection for Item 5	LF	1900	\$ 3.00	\$ 5,700.00	0.00	\$0.00	1977.00	104%
7	24" CIPP	LF	6000	\$ 85.75	\$ 514,500.00	0.00	\$0.00	5853.00	98%
7.1	Light Cleaning and TV inspection for Item 7	LF	6000	\$ 5.00	\$ 30,000.00	0.00	\$0.00	5861.00	98%
9	Perform Heavy Cleaning on Existing Sewer	LF	3800	\$ 3.00	\$ 11,400.00	0.00	\$0.00	7216.00	190%
10	Cut Taps	EA	16	\$ 225.00	\$ 3,600.00	0.00	\$0.00	21.00	131%
11	LCR, 24" long	EA	130	\$ 1,375.00	\$ 178,750.00	0.00	\$0.00	128.00	98%
11.1	LCR, 18" Long Rebate	EA	130	\$ (125.00)	\$ -	0.00	\$0.00	95.00	(11,875.00)
12a	Grout Services	EA	15	\$ 450.00	\$ 6,750.00	0.00	\$0.00	5.00	2,250.00
12b	Chemical Grout Pumped	Gal	75	\$ 6.50	\$ 487.50	0.00	\$0.00	16.50	107.25
13	R.&R. 4' of 15" CIPP on Broadway Table B Fig. 1 Apen B.	LS	1	\$ 8,452.50	\$ 8,452.50	0.00	\$0.00	1.00	8,452.50
14	R.&R. 6' of 12" VC on Broadway Table B Fig. 2 Apen B.	LS	1	\$ 11,592.00	\$ 11,592.00	0.00	\$0.00	1.00	11,592.00
15	R.&R. 6' of 2" VC on Broadway to remove jet hose Table B Fig. 3 Apen B.	LS	1	\$ 11,592.00	\$ 11,592.00	0.00	\$0.00	0.00	0%
16	Pipe Burst Existing 8" on Winthrop Ave. and replace with 8" Figure 4 Apen. B	LS	1	\$ 33,568.50	\$ 33,568.50	0.00	\$0.00	0.32	10,790.45
17	R.&R. 50' of 8" on Winthrop Ave. Table B Fig. 5 Apen B.	LS	1	\$ 36,225.00	\$ 36,225.00	0.00	\$0.00	1.17	42,344.65
18	R.&R. 80' of 15" VC on Atlantic Ave. Table B Fig. 6 Apen B.	LS	1	\$ 35,017.50	\$ 35,017.50	0.000000000	\$0.00	1.091304210	38,214.75
19	R.&R. 6' of 8" VC on Copeland Circle Table B Fig. 7 Apen B.	LS	1	\$ 9,660.00	\$ 9,660.00	0.00	\$0.00	1.00	9,660.00
21	Fill Existing Drop Connection & Install Interior Drop	EA	3	\$ 2,000.00	\$ 6,000.00	0.00	\$0.00	0.00	0%
22	Furnish and Install New MH F&C Table C	EA	6	\$ 1,138.50	\$ 6,831.00	0.000000000	\$0.00	64.38	73,301.86
23	Furnish and Install Bolted New MH F&C Table C	EA	9	\$ 1,655.00	\$ 14,895.00	0.00	\$0.00	25.02	41,408.10
24	Furnish and Install Epoxy Interior Mahole Lining System Table C	VF	270	\$ 215.00	\$ 58,050.00	0.00	\$0.00	626.39	134,673.85
24.1	Cement line Manholes prior to epoxy coating (for Item 24)	VF	270	\$ 150.00	\$ 40,500.00	0.00	\$0.00	214.74	32,211.00
25	Furnish and Install Cementitious Interior Manhole Lining System Table C	VF	900	\$ 150.00	\$ 135,000.00	0.00	\$0.00	888.67	133,300.50
26	Maintenance of Flow in Existing Sewers	LS	1	\$ 327,875.00	\$ 327,875.00	0.00	\$0.00	1.00	327,875.00
27	Dewater/Bypass Pump and Perform TV Inspections of Sewer Pipe Not TV'd prior to Design 8"-18"	LF	1500	\$ 3.00	\$ 4,500.00	0.00	\$0.00	798.00	2,394.00
28a	R.&R. 8" thru 24" existing Sewer 0'-8' deep up to 8lf	EA	1	\$ 7,486.50	\$ 7,486.50	0.00	\$0.00	0.00	0%
28b	R.&R. 8" thru 24" existing Sewer 9'-12' deep up to 8lf	EA	1	\$ 7,848.75	\$ 7,848.75	0.00	\$0.00	0.00	0%
28c	R.&R. 8" thru 24" existing Sewer 13'-16' deep up to 8lf	EA	3	\$ 10,867.50	\$ 32,602.50	0.00	\$0.00	0.00	0%
28d	R.&R. 8" thru 24" existing Sewer 17'-20' deep up to 8lf	EA	1	\$ 12,075.00	\$ 12,075.00	0.00	\$0.00	0.00	0%
29a	R.&R. 8" thru 24" existing VC Sewer 0'-8' deep beyond 8lf specified in Item 28a	LF	10	\$ 241.50	\$ 2,415.00	0.00	\$0.00	0.00	0%
29b	R.&R. 8" thru 24" existing VC Sewer 9'-12' deep beyond 8lf specified in Item 28b	LF	10	\$ 241.50	\$ 2,415.00	0.00	\$0.00	0.00	0%
29c	R.&R. 8" thru 24" existing VC Sewer 13'-16' deep beyond 8lf specified in Item 28c	LF	10	\$ 302.40	\$ 3,024.00	0.00	\$0.00	0.00	0%
29d	R.&R. 8" thru 24" existing VC Sewer 17'-20' deep beyond 8lf specified in Item 28d	LF	10	\$ 302.40	\$ 3,024.00	0.00	\$0.00	0.00	0%
36	Temporary Facilities (Engineers Field Office)	MOS.	12	\$ 2,500.00	\$ 30,000.00	0.00	\$0.00	6.08511600	15,212.79
37	Rodent Control per Section D1105 and City Ordinance in Appendix I	LS	1	\$ 10,500.00	\$ 10,500.00	0.00	\$0.00	1.00	10,500.00
38	Miscellaneous work and Cleanup	LS	1	\$ 1.00	\$ 1.00	0.00	\$0.00	0.00	0%
39	Mobilization not to exceed 5% of Subtotal Bid Price	LS	1	\$ 52,000.00	\$ 52,000.00	0.00	\$0.00	1.00	52,000.00
	CIPP Short Liners up to 4' long	EA	0	\$ 2,500.00	\$ -	0.00	\$0.00	11.00	27,500.00
Alternate 1									
1	8" CIPP	LF	3910	\$ 27.65	\$ 108,111.50	0.00	\$0.00	3687.00	101,945.55
1.1	Light Cleaning and TV inspection for Item 1	LF	3910	\$ 2.00	\$ 7,820.00	0.00	\$0.00	3879.00	7,758.00
2	10" CIPP	LF	1210	\$ 31.75	\$ 38,417.50	0.00	\$0.00	1146.00	36,385.50
2.1	Light Cleaning and TV inspection for Item 2	LF	1210	\$ 2.00	\$ 2,420.00	0.00	\$0.00	1147.00	2,294.00
9	Perform Heavy Cleaning on Existing Sewer	LF	1400	\$ 3.00	\$ 4,200.00	0.00	\$0.00	4418.00	13,254.00

10	Cut Taps	EA	25	\$ 225.00	\$ 5,625.00	0.00	\$0.00	20.00	4,500.00	20.00	4,500.00	80%
11	LCR, 24" long	EA	80	\$ 1,375.00	\$ 110,000.00	0.00	\$0.00	94.00	129,250.00	94.00	129,250.00	118%
11.1	LCR, 18" Long Rebate	EA	80	\$ (125.00)	\$ -	0.00	\$0.00	48.00	(6,000.00)	48.00	(6,000.00)	
12a	Grout Services	EA	10	\$ 450.00	\$ 4,500.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
12b	Chemical Grout Pumped	Gal	50	\$ 6.50	\$ 325.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
20	R.R. 8' of 10" VC and SVC Con on Atwood St to remove a jet hose Table B Figure 10 Appen B	LS	1	\$ 7,245.00	\$ 7,245.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
21	Fill Existing Drop Connection & Install Interior Drop	EA	2	\$ 2,000.00	\$ 4,000.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
22	Furnish and Install New MH F&C	EA	1	\$ 1,138.50	\$ 1,138.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
24	Furnish and Install Epoxy Interior Mahole Lining System Table C	VF	55	\$ 170.00	\$ 9,350.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
24.1	Cement line Manholes prior to epoxy coating (for Item 24)	VF	55	\$ 130.00	\$ 7,150.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
25	Furnish and Install Cementitious Interior Manhole Lining System Table C	VF	100	\$ 130.00	\$ 13,000.00	0.00	\$0.00	144.83	18,827.90	144.83	18,827.90	145%
26	Maintenance of Flow in Existing Sewers	LS	1	\$ 1.00	\$ 1.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
30a	R.R. 8" thru 10" existing VC Sewer 0'-8' deep up to 8lf	EA	2	\$ 7,245.00	\$ 14,490.00	0.00000000	\$0.00	14.6388925	106,058.12	14.63889248	106,058.12	732%
31a	R.R. 8" thru 10" existing VC Sewer 0'-8' deep beyond 8lf specified in Item 30a	LF	10	\$ 152.25	\$ 1,522.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
37	Rodent Control per Section 01105 and City Ordinance in Appendix I	LS	1	\$ 3,360.00	\$ 3,360.00	0.00	\$0.00	1.00	3,360.00	1.00	3,360.00	100%
38	Miscellaneous work and Cleanup	LS	1	\$ 1.00	\$ 1.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
39	Mobilization not to exceed 5% of Subtotal Bid Price	LS	1	\$ 5,000.00	\$ 5,000.00	0.00	\$0.00	1.00	5,000.00	1.00	5,000.00	100%
Alternate 2												
1	8" CIPP	LF	2800	\$ 26.90	\$ 75,320.00	0.00	\$0.00	1899.60	51,099.24	1899.60	51,099.24	68%
1.1	Light Cleaning and TV inspection for Item 1	LF	2800	\$ 2.00	\$ 5,600.00	0.00	\$0.00	2631.00	5,262.00	2631.00	5,262.00	94%
9	Perform Heavy Cleaning on Existing Sewer	LF	800	\$ 3.00	\$ 2,400.00	0.00	\$0.00	1638.00	4,914.00	1638.00	4,914.00	205%
10	Cut Taps	EA	15	\$ 225.00	\$ 3,375.00	0.00	\$0.00	6.00	1,350.00	6.00	1,350.00	40%
11	LCR, 24" long	EA	55	\$ 1,375.00	\$ 75,625.00	0.00	\$0.00	55.00	75,625.00	55.00	75,625.00	100%
11.1	LCR, 18" Long Rebate	EA	55	\$ (125.00)	\$ -	0.00	\$0.00	50.00	(6,250.00)	50.00	(6,250.00)	
12a	Grout Services	EA	5	\$ 450.00	\$ 2,250.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
12b	Chemical Grout Pumped	Gal	25	\$ 6.50	\$ 162.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
21	Fill Existing Drop Connection & Install Interior Drop	EA	1	\$ 2,000.00	\$ 2,000.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
22	Furnish and Install New MH F&C	EA	2	\$ 1,138.50	\$ 2,277.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
24	Furnish and Install Epoxy Interior Mahole Lining System Table C	VF	50	\$ 170.00	\$ 8,500.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
24.1	Cement line Manholes prior to epoxy coating (for Item 24)	VF	50	\$ 130.00	\$ 6,500.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
25	Furnish and Install Cementitious Interior Manhole Lining System Table C	VF	100	\$ 130.00	\$ 13,000.00	0.00	\$0.00	131.33	17,072.90	131.33	17,072.90	131%
26	Maintenance of Flow in Existing Sewers	LS	1	\$ 1.00	\$ 1.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
32a	R.R. 8" existing Sewer 0'-8' deep up to 8lf	EA	2	\$ 7,245.00	\$ 14,490.00	0.00000000	\$0.00	2.32	16,811.76	2.320453767	16,811.76	116%
32b	R.R. 8" existing Sewer 9'-12' deep up to 8lf	EA	1	\$ 7,848.75	\$ 7,848.75	0.00000000	\$0.00	8.992508365	70,579.95	8.992508365	70,579.95	899%
32c	R.R. 8" existing Sewer 13'-16' deep up to 8lf	EA	1	\$ 10,626.00	\$ 10,626.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
33a	R.R. 8" thru 10" existing VC Sewer 0'-8' deep beyond 8lf specified in Item 32a	LF	10	\$ 152.25	\$ 1,522.50	0.00	\$0.00	82.00	12,484.50	82.00	12,484.50	820%
33b	R.R. 8" thru 10" existing VC Sewer 9'-12' deep beyond 8lf specified in Item 32a	LF	10	\$ 183.75	\$ 1,837.50	0.00	\$0.00	10.00	1,837.50	10.00	1,837.50	100%
33c	R.R. 8" thru 10" existing VC Sewer 13'-16' deep beyond 8lf specified in Item 32a	LF	10	\$ 241.50	\$ 2,415.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
37	Rodent Control per Section 01105 and City Ordinance in Appendix I	LS	1	\$ 1,890.00	\$ 1,890.00	0.00	\$0.00	1.00	1,890.00	1.00	1,890.00	100%
38	Miscellaneous work and Cleanup	LS	1	\$ 1.00	\$ 1.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
39	Mobilization not to exceed 5% of Subtotal Bid Price	LS	1	\$ 5,000.00	\$ 5,000.00	0.00	\$0.00	1.00	5,000.00	1.00	5,000.00	100%
Alternate 3												
1	8" CIPP	LF	4800	\$ 26.90	\$ 129,120.00	0.00	\$0.00	4280.00	115,132.00	4280.00	115,132.00	89%
1.1	Light Cleaning and TV inspection for Item 1	LF	4800	\$ 2.00	\$ 9,600.00	0.00	\$0.00	4286.00	8,572.00	4286.00	8,572.00	89%
2	10" CIPP	LF	720	\$ 31.00	\$ 22,320.00	0.00	\$0.00	947.00	29,357.00	947.00	29,357.00	132%
2.1	Light Cleaning and TV inspection for Item 2	LF	720	\$ 2.00	\$ 1,440.00	0.00	\$0.00	1038.00	2,076.00	1038.00	2,076.00	144%
9	Perform Heavy Cleaning on Existing Sewer	LF	1500	\$ 3.00	\$ 4,500.00	0.00	\$0.00	2885.00	8,655.00	2885.00	8,655.00	192%
10	Cut Taps	EA	35	\$ 225.00	\$ 7,875.00	0.00	\$0.00	29.00	6,525.00	29.00	6,525.00	83%
11	LCR, 24" long	EA	135	\$ 1,375.00	\$ 185,625.00	0.00	\$0.00	195.00	268,125.00	195.00	268,125.00	144%
11.1	LCR, 18" Long Rebate	EA	135	\$ (125.00)	\$ -	0.00	\$0.00	106.00	(13,250.00)	106.00	(13,250.00)	
12a	Grout Services	EA	15	\$ 450.00	\$ 6,750.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
12b	Chemical Grout Pumped	Gal	75	\$ 6.50	\$ 487.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
21	Fill Existing Drop Connection & Install Interior Drop	EA	1	\$ 2,000.00	\$ 2,000.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
22	Furnish and Install New MH F&C	EA	2	\$ 1,138.50	\$ 2,277.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
24	Furnish and Install Epoxy Interior Mahole Lining System Table C	VF	50	\$ 170.00	\$ 8,500.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
24.1	Cement line Manholes prior to epoxy coating (for Item 24)	VF	50	\$ 130.00	\$ 6,500.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
25	Furnish and Install Cementitious Interior Manhole Lining System Table C	VF	125	\$ 130.00	\$ 16,250.00	0.00	\$0.00	137.84	20,519.20	137.84	20,519.20	126%
26	Maintenance of Flow in Existing Sewers	LS	1	\$ 1.00	\$ 1.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
30a	R.R. 8" thru 10" existing VC Sewer 0'-8' deep up to 8lf	EA	2	\$ 7,245.00	\$ 14,490.00	0.00	\$0.00	3.00	21,735.00	3.00	21,735.00	150%
30b	R.R. 8" thru 10" existing VC Sewer 9'-12' deep up to 8lf	EA	1	\$ 1,548.75	\$ 1,548.75	0.00000000	\$0.00	3.7084745579	5,743.50	3.7084745579	5,743.50	371%
31a	R.R. 8" thru 10" existing VC Sewer 0'-8' deep beyond 8lf specified in Item 30a	LF	10	\$ 183.75	\$ 1,837.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
31b	R.R. 8" thru 10" existing VC Sewer 9'-12' deep beyond 8lf specified in Item 30b	LF	10	\$ 183.75	\$ 1,837.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
37	Rodent Control per Section 01105 and City Ordinance in Appendix I	LS	1	\$ 3,150.00	\$ 3,150.00	0.00	\$0.00	1.00	3,150.00	1.00	3,150.00	100%
38	Miscellaneous work and Cleanup	LS	1	\$ 1.00	\$ 1.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
39	Mobilization not to exceed 5% of Subtotal Bid Price	LS	1	\$ 5,000.00	\$ 5,000.00	0.00	\$0.00	1.00	5,000.00	1.00	5,000.00	100%
Alternate 4												
1	8" CIPP	LF	6400	\$ 27.35	\$ 175,040.00	0.00	\$0.00	781.00	21,360.35	781.00	21,360.35	12%

1.1	Light Cleaning and TV Inspection for Item 1	LF	6400	\$	2.00	\$	12,800.00	0.00	\$0.00	6333.00	12,666.00	6333.00	12,666.00	99%
3	12" CIPP	LF	880	\$	35.55	\$	31,284.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
3.1	Light Cleaning and TV Inspection for Item 3	LF	880	\$	2.00	\$	1,760.00	0.00	\$0.00	236.00	472.00	236.00	472.00	27%
5	18" CIPP	LF	750	\$	51.95	\$	38,962.50	0.00	\$0.00	500.00	25,975.00	500.00	25,975.00	67%
5.1	Light Cleaning and TV Inspection for Item 5	LF	750	\$	3.00	\$	2,250.00	0.00	\$0.00	553.00	1,659.00	553.00	1,659.00	74%
8	TV Inspection of 24" Sewer	LF	5500	\$	3.00	\$	16,500.00	0.00	\$0.00	4868.00	14,604.00	4868.00	14,604.00	89%
9	Perform Heavy Cleaning on Existing Sewer	LF	3700	\$	3.00	\$	11,100.00	0.00	\$0.00	8045.00	24,135.00	8045.00	24,135.00	217%
10	Cut Taps	EA	80	\$	225.00	\$	18,000.00	0.00	\$0.00	4.00	900.00	4.00	900.00	5%
11	LCR, 24" Long	EA	30	\$	1,600.00	\$	48,000.00	0.00	\$0.00	1.00	1,600.00	1.00	1,600.00	3%
11.1	LCR, 18" Long Rebate	EA	30	\$	(125.00)	\$	-	0.00	\$0.00	1.00	(125.00)	1.00	(125.00)	
12a	Grout Services	EA	5	\$	450.00	\$	2,250.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
12b	Chemical Grout Pumped	Gal	25	\$	6.50	\$	162.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
21	Fill Existing Drop Connection & Install Interior Drop	EA	1	\$	2,000.00	\$	2,000.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
22	Furnish and Install New MH F&C	EA	2	\$	1,138.50	\$	2,277.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
24	Furnish and Install Epoxy Interior Mahole Lining System Table C	VF	150	\$	170.00	\$	25,500.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
24.1	Cement line Manholes prior to epoxy coating (for Item 24)	VF	150	\$	150.00	\$	22,500.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
25	Furnish and Install Cementitious Interior Manhole Lining System Table C	VF	460	\$	150.00	\$	69,000.00	0.00	\$0.00	394.84	59,226.00	394.84	59,226.00	86%
26	Maintenance of Flow in Existing Sewers	LS	1	\$	1.00	\$	1.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
28a	R.&R. 8" thru 24" existing Sewer 0'-8' deep up to 8lf	EA	2	\$	7,486.50	\$	14,973.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
28b	R.&R. 8" thru 24" existing Sewer 9'-12' deep up to 8lf	EA	1	\$	7,848.75	\$	7,848.75	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
28c	R.&R. 8" thru 24" existing Sewer 13'-16' deep up to 8lf	EA	1	\$	105.00	\$	105.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
28d	R.&R. 8" thru 24" existing Sewer 17'-20' deep up to 8lf	EA	1	\$	105.00	\$	105.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
29a	R.&R. 8" thru 24" existing VC Sewer 0'-8' deep beyond 8lf specified in Item 28a	LF	10	\$	241.50	\$	2,415.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
29b	R.&R. 8" thru 24" existing VC Sewer 9'-12' deep beyond 8lf specified in Item 28b	LF	10	\$	241.50	\$	2,415.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
29c	R.&R. 8" thru 24" existing VC Sewer 13'-16' deep beyond 8lf specified in Item 28c	LF	10	\$	1.05	\$	10.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
29d	R.&R. 8" thru 24" existing VC Sewer 17'-20' deep beyond 8lf specified in Item 28d	LF	10	\$	1.05	\$	10.50	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
37	Rodent Control per Section 01105 and City Ordinance in Appendix I	LS	1	\$	5,250.00	\$	5,250.00	0.00	\$0.00	1.00	5,250.00	1.00	5,250.00	100%
38	Miscellaneous work and Cleanup	LS	1	\$	1.00	\$	1.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
39	Mobilization not to exceed 5% of Subtotal Bid Price	LS	1	\$	5,000.00	\$	5,000.00	0.00	\$0.00	1.00	5,000.00	1.00	5,000.00	100%
Alternate 5														
1	8" CIPP	LF	3300	\$	26.90	\$	88,770.00	0.00	\$0.00	2653.00	71,363.70	2653.00	71,363.70	80%
1.1	Light Cleaning and TV Inspection for Item 1	LF	3300	\$	2.00	\$	6,600.00	0.00	\$0.00	3942.00	7,884.00	3942.00	7,884.00	119%
2	10" CIPP	LF	540	\$	31.00	\$	16,740.00	0.00	\$0.00	294.00	9,114.00	294.00	9,114.00	54%
2.1	Light Cleaning and TV Inspection for Item 2	LF	540	\$	2.00	\$	1,080.00	0.00	\$0.00	373.00	746.00	373.00	746.00	69%
4	15" CIPP	LF	1300	\$	42.80	\$	55,640.00	0.00	\$0.00	0.00	0.00	0.00	0.00	0%
4.1	Light Cleaning and TV Inspection for Item 4	LF	1300	\$	3.00	\$	3,900.00	0.00	\$0.00	946.00	2,838.00	946.00	2,838.00	73%
4.2	14" CIPP Lining	LF	114	\$	81.90	\$	-	0.00	\$0.00	114.00	9,336.60	114.00	9,336.60	
6	20" CIPP	LF	200	\$	300.00	\$	20,000.00	0.00	\$0.00	197.00	19,700.00	197.00	19,700.00	99%
6.1	Light Cleaning and TV Inspection for Item 6	LF	200	\$	5.00	\$	1,000.00	0.00	\$0.00	197.00	985.00	197.00	985.00	99%
9	Perform Heavy Cleaning on Existing Sewer	LF	1400	\$	3.00	\$	4,200.00	0.00	\$0.00	1720.00	5,160.00	1720.00	5,160.00	123%
10	Cut Taps	EA	25	\$	225.00	\$	5,625.00	0.00	\$0.00	26.00	5,850.00	26.00	5,850.00	104%
11	LCR, 24" Long	EA	70	\$	1,400.00	\$	98,000.00	0.00	\$0.00	90.00	126,000.00	90.00	126,000.00	129%
11.1	LCR, 18" Long Rebate	EA	70	\$	(125.00)	\$	-	0.00	\$0.00	41.00	(5,125.00)	41.00	(5,125.00)	

12a	Grout Services	EA	7	\$ 450.00	\$ 3,150.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
12b	Chemical Grout Pumped	Gal	35	\$ 6.50	\$ 227.50	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
21	Fill Existing Drop Connection & Install Interior Drop	EA	1	\$ 2,000.00	\$ 2,000.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
22	Furnish and Install New MH F&C	EA	2	\$ 1,138.50	\$ 2,277.00	0.00	\$ 0.00	2.25	2,561.63	2.25	2,561.63	113%
24	Furnish and Install Epoxy Interior Manhole Lining System Table C	VF	70	\$ 170.00	\$ 11,900.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
24.1	Cement line Manholes prior to epoxy coating (for Item 24)	VF	70	\$ 130.00	\$ 9,100.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
25	Furnish and Install Cementitious Interior Manhole Lining System Table C	VF	170	\$ 130.00	\$ 22,100.00	0.00	\$ 0.00	217.59	28,286.70	217.59	28,286.70	128%
26	Maintenance of Flow in Existing Sewers	LS	1	\$ 1.00	\$ 1.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
34a	R.&R. 8" thru 15" existing Sewer 0'-8' deep up to 8lf	EA	2	\$ 7,245.00	\$ 14,490.00	0.00	\$ 0.00	3.00	21,735.00	3.00	21,735.00	150%
34b	R.&R. 8" thru 15" existing Sewer 9'-12' deep up to 8lf	EA	1	\$ 7,848.75	\$ 7,848.75	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
34c	R.&R. 8" thru 15" existing Sewer 13'-16' deep up to 8lf	EA	1	\$ 105.00	\$ 105.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
34d	R.&R. 8" thru 15" existing Sewer 17'-20' deep up to 8lf	EA	1	\$ 105.00	\$ 105.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
35a	R.&R. 8" thru 15" existing VC Sewer 0'-8' deep beyond 8lf specified in Item 34a	LF	10	\$ 183.75	\$ 1,837.50	0.00	\$ 0.00	45.00	8,268.75	45.00	8,268.75	450%
35b	R.&R. 8" thru 15" existing VC Sewer 9'-12' deep beyond 8lf specified in Item 34b	LF	10	\$ 210.00	\$ 2,100.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
35c	R.&R. 8" thru 15" existing VC Sewer 13'-16' deep beyond 8lf specified in Item 34c	LF	10	\$ 1.05	\$ 10.50	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
35d	R.&R. 8" thru 15" existing VC Sewer 17'-20' deep beyond 8lf specified in Item 34d	LF	10	\$ 1.05	\$ 10.50	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
37	Rodent Control per Section 01105 and City Ordinance in Appendix I	LS	1	\$ 3,570.00	\$ 3,570.00	0.00	\$ 0.00	1.00	3,570.00	1.00	3,570.00	100%
38	Miscellaneous work and Cleanup	LS	1	\$ 1.00	\$ 1.00	0.00	\$ 0.00	0.00	0.00	0.00	0.00	0%
39	Mobilization not to exceed 5% of Subtotal Bid Price	LS	1	\$ 5,000.00	\$ 5,000.00	0.00	\$ 0.00	1.00	5,000.00	1.00	5,000.00	100%
Alternate 6												
1	Furnish and install CIPP liner in existing 8" sewer	LF	0	\$ 24.00	0.00	0.00	\$ -	2207.00	\$ 52,968.00	2207.00	\$ 52,968.00	
1.1	CLTV for Item 1	LF	0	\$ 2.50	0.00	1981.00	\$ 4,952.50	611.00	\$ 1,527.50	2592.00	\$ 6,480.00	
2	Furnish and install CIPP liner in existing 10" sewer	LF	0	\$ 30.24	0.00	0.00	\$ -	1033.00	\$ 31,237.92	1033.00	\$ 31,237.92	
2.1	CLTV for Item 2	LF	0	\$ 2.50	0.00	1691.00	\$ 4,227.50	0.00	\$ -	1691.00	\$ 4,227.50	
9	Heavy clean on existing sewers	LF	0	\$ 5.50	0.00	1020.00	\$ 5,610.00	611.00	\$ 3,360.50	1631.00	\$ 8,970.50	
10	Grind protruding taps on service laterals	EA	0	\$ 150.00	0.00	25.00	\$ 3,750.00	9.00	\$ 1,350.00	34.00	\$ 5,100.00	
11	Furnish and install service lateral connection lining a min. of 24' into existing 4", 5" & 6" service connections including CLTV	EA	0	\$ 1,575.00	0.00	0.00	\$ -	96.00	\$ 151,200.00	96.00	\$ 151,200.00	
9.1	Heavy clean of service laterals identified in CCTV in Item 7	EA	0	\$ 575.00	0.00	0.00	\$ -	1.00	\$ 575.00	1.00	\$ 575.00	
9.2	Perform CCTV of service lateral designated for full length lining	EA	0	\$ 1,450.00	0.00	0.00	\$ -	0.00	\$ -	0.00	\$ -	
9.3	Perform Heavy CCTV of service lateral identified in Item 9.2	EA	0	\$ 575.00	0.00	0.00	\$ -	0.00	\$ -	0.00	\$ -	
9.4	Furnish and install service lateral lining upto 10 LF into existing 4", 5" & 6" service connections including CLTV	EA	0	\$ 1,450.00	0.00	0.00	\$ -	0.00	\$ -	0.00	\$ -	
9.5	Furnish and install service lateral lining beyond 10 LF into existing 4", 5" & 6" service connections including CLTV	LF	0	\$ 20.00	0.00	0.00	\$ -	0.00	\$ -	0.00	\$ -	
12a	Grout service lateral/mainline connection for services that can not be lined	EA	0	\$ 100.00	0.00	0.00	\$ -	0.00	\$ -	0.00	\$ -	
12b	Chemical grout pumped in services that can not be lined	GAL	0	\$ 5.00	0.00	0.00	\$ -	0.00	\$ -	0.00	\$ -	
21	Fill exterior drop connections and install new exterior sanitary sewer drop connections	EA	0	\$ 1,800.00	0.00	0.00	\$ -	1.00	\$ 1,800.00	1.00	\$ 1,800.00	
22.1	Locate and raise buried MHs to grade	VF	0	\$ 2,500.00	0.00	3.42	\$ 8,550.00	0.00	\$ -	3.42	\$ 8,550.00	
25	Furnish and install cementitious interior MH lining system	VF	0	\$ 160.00	0.00	0.00	\$ -	115.19	\$ 18,430.40	115.19	\$ 18,430.40	
25.1	Repair existing MH brick corbel and seal with internal lining corbel lining system	EA	0	\$ 300.00	0.00	0.00	\$ -	0.00	\$ -	0.00	\$ -	
25.2	Heavy Clean MH	EA	0	\$ 160.00	0.00	0.00	\$ 0.00	2.00	\$ 320.00	2.00	\$ 320.00	
27	Dewater/Bypass Pump and perform TV of sewer pip not TV'd prior to design- 8", 10", 12", 24", and 36"x40" (egg shaped)	LF	0	\$ 5.00	0.00	3672.00	\$ 18,360.00	708.00	\$ 3,540.00	4380.00	\$ 21,900.00	
28a	Remove and replace (8"-15") existing sewer (0'-8' deep) up to 8' LF	EA	0	\$ 5,616.00	0.00	0.00	\$ -	3.00	\$ 16,848.00	3.00	\$ 16,848.00	
28b	Remove and replace (8"-15") existing VC sewer (9'-12' deep) up to 8' LF	EA	0	\$ 8,840.00	0.00	0.00	\$ -	0.00	\$ -	0.00	\$ -	
28c	Remove and replace (8"-15") existing sewer (0'-8' deep) over 8' LF	LF	0	\$ 840.00	0.00	0.00	\$ -	6.00	\$ 5,040.00	6.00	\$ 5,040.00	
28d	R&R 42.5' of 10" on Harris	EA	0	\$ 57,581.21	0.00	1.00	\$ 57,581.21	0.00	\$ -	1.00	\$ 57,581.21	
	ASSIST WITH 20" DRAIN POINT REPAIR	HR	0	\$ 175.00	0.00	14.50	\$ 2,537.50	0.00	\$ -	14.50	\$ 2,537.50	
	CEMENT LINE DMH ON REVERE BEACH PARKWAY	LS	0	\$ 5,000.00	0.00	1.00	\$ 5,000.00	0.00	\$ -	1.00	\$ 5,000.00	
	TRAFFIC SETUP ON REVERE BEACH PARKWAY	LS	0	\$ 30,933.12	0.00	1.00	\$ 30,933.12	0.00	\$ -	1.00	\$ 30,933.12	
	REVERE BEACH PARKWAY REPLACEMENT OF 20" DRAIN	LS	0	\$ 109,259.41	0.00	0.25	\$ 27,314.85	0.00	\$ -	0.25	\$ 27,314.85	
							\$ -	0.00	\$ -	0.00	\$ -	
				Totals	\$ 3,841,005.75		\$ 168,816.68	\$ 3,836,643.24	\$ 4,005,459.92		104%	

work done this estimate
less retainage 5%
total due this est.

\$168,816.68 total completed to date
\$8,440.83 retainage (%)
\$160,375.85 subtotal
less previous estimates
balance due

\$ 4,005,459.92
93,819.62
\$ 3,911,640.30
\$ 3,751,264.46
\$ 160,375.84

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RESOURCE PROTECTION**

PERIODIC PAYMENT FORM

(Contractor's Request)

LOAN NO.: CWP-13-16 & 16(A) DMS PROJECT NO.: CWSRF 3832 CONTRACT NO.: WW-002				DESCRIPTION OF CONTRACT / TASK: Revere Beach Pkwy and Dix St PS Improvements			
CONTRACTOR NAME & ADDRESS: Moriarty & Sons, Inc P.O. Box 216 Andover, MA 01845				REQUEST NO.: 28			
CONSULTANT ENGINEER NAME & ADDRESS: CDM Smith 75 State Street Suite 701 Boston, Massachusetts 02109				PAYMENT PERIOD: From 5/2/16 To 12/19/16 CONTRACT SERVICE DATES: From 5/2/16 To 12/19/16			

EXPENDITURE TYPE	APPROVED COST	PREVIOUS REQUESTS		THIS REQUEST	CUMULATIVE REQUESTS		REMAINING BALANCE
	\$	%	\$	\$	%	\$	\$
Construction	\$ 594,647.00	99%	\$ 589,647.23	\$5,000.00	100%	\$ 594,647.23	\$ (0.23)
				/			
MBE/WBE Subcontractors							
Total Mechanical Service Corp	\$ 18,400.00	100%	\$18,444.00			\$18,444.00	\$ (44.00)
E. L. Waterman Inc	\$ 20,550.00	100%	\$20,500.00			\$20,500.00	\$ 50.00
<i>Total</i>	\$ 594,647.00	99%	\$ 589,647.23	\$5,000.00	100%	\$ 594,647.23	\$ (0.23)

I certify that to the best of my belief and knowledge, (i) that the attached invoices are in accordance with the specifications of the approved project plans, and (ii) that all work in place as of this date are in accordance with the terms of the above referenced Construction Contract.	BY THE CONTRACTOR	Certified by: X	Date Signed: 1/4/17	
	BY THE CONSULTING ENGINEER	Type Name and Title: Dan Moriarty President	Telephone: 978-681-5815	
		Recommended by: Type Name and Title: Steven R. Callahan Project Manager	Date Signed: 1-16-17	
		Telephone: 617-452-6719		
	BY THE PROJECT INSPECTOR	THE WORK AS INVICED HERE TO DATE APPEARS REASONABLE AND THEREFORE RECOMMENDED FOR LOAN DISBURSEMENT. SIGNATURE Kelly Taylor PRINT NAME		Date Signed: 3-10-17 Telephone: 617 292 5817
	DEP/ BRP PROJECT INSPECTOR			

Contrac

APPLICATION AND CERTIFICATE FOR PAYMENT

Page one of

1 of 2

To Owner: City of Revere
281 Broadway
Revere, Ma 02151

Application No.: 8-Final
Period To: 5/2/16 to 12/19/16
Project Nos.: WW-002

Distribution To:
Owner
Architect
Contractor

From Contractor: Moriarty & Sons, Inc.
P.O. Box 216
North Andover, MA 01845

Contract Date:

Contract For:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the contract

Continuation sheet, AIA Document G703, is attached

1.	ORIGINAL CONTRACT SUM	\$	540,603.90
2.	NET CHANGE BY CHANGE ORDERS	\$	54,043.80 ✓
3.	CONTRACT SUM TO DATE (LINE 1+2)	\$	594,647.20
4.	TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$	594,647.20 ✓
5.	RETAINAGE:		
a.	0% % of Completed work (columns D+E on G703)	\$0.00	
b.	% of Stored Material (column F on G703)	\$	-
	Total Retainage (Line 5A + 5b or Total in Column I of G703)	\$	-
6.	TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	\$	594,647.20
7.	LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior certificate)	\$	- \$ 589,647.20
8.	CURRENT PAYMENT DUE	\$	5,000.00 ✓
9.	BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less line 6)	\$0.00	

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by owner		
Total approved this Month		
Totals		
NET CHANGES by Change Order		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by the Application for Payment has been completed in accordance with the contract documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payments were issued and payments received from the owner, and that current payment shown herein is now due.

Contractor:

By: Sean J Moriarty
Moriarty & Sons, Inc.

Date: 12/19/16

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Engineer certifies to the owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED

this Application and on the Continuation Sheet that are changed to conform to the other certified.

By: Steven Callahan
Steven Callahan, Construction Coordinator:

Date: 1-10-17

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Nicholas Rystrom
City Engineer

Myles Johnson
Resident Engineer

Frank Stringi
Director of Planning & Community Development

Donald Goodwin
Superintendent of Public Works

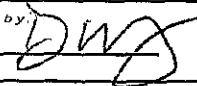
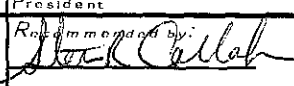
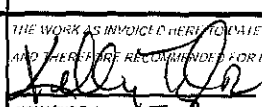
Owner:	City of Revere										
Project:	Pump Station Improvements	CWSRF	3832								
Requisition #	8										
Date:	12/19/2016										
								quantity	total \$	total	
				unit	total	quantity	due	previously	previously	quantity	total \$
Item	Description	quantity	unit	price	price	this period	this period	completed	completed	to date	to date
1a	8" pvc sewer all depths	260	lf	75.00	19500.00	0	\$0.00	226.40	\$16,980.00	226.4	\$16,980.00
1b	2" pvc force main	310	lf	55.00	17050.00	0	\$0.00	299.00	\$16,445.00	299	\$16,445.00
1c	12" di drain 0-12'	60	lf	85.00	5100.00	0	\$0.00	53.00	\$4,505.00	53	\$4,505.00
1d	4" di force mains	180	lf	65.00	11700.00	0	\$0.00	192.00	\$12,480.00	192	\$12,480.00
1e	6" pvc sewer service	300	lf	0.01	3.00	0	\$0.00	204.70	\$2.05	204.7	\$2.05
1f	6" pvc wye/6" di tee	12	ea	750.00	9000.00	0	\$0.00	12.00	\$9,000.00	12	\$9,000.00
1g	pvc internal drop	15	vf	250.00	3750.00	0	\$0.00	0.00	\$0.00	0	\$0.00
1h	6" di chimney	40	vf	300.00	12000.00	0	\$0.00	42.28	\$12,684.00	42.28	\$12,684.00
2	RBP cb	1	ea	5000.00	5000.00	0	\$0.00	1.00	\$5,000.00	1	\$5,000.00
3	4' mh and remove ex mh	25	vf	500.00	12500.00	0	\$0.00	18.60	\$9,300.00	18.6	\$9,300.00
4	test pits	15	cy	50.00	750.00	0	\$0.00	25.00	\$1,250.00	25	\$1,250.00
5a	heavy clean 12" and less	50	lf	12.00	600.00	0	\$0.00	0.00	\$0.00	0	\$0.00
5b	cctv 12" and less	100	lf	6.00	600.00	0	\$0.00	0.00	\$0.00	0	\$0.00
5c	cctv ex service	150	lf	6.00	900.00	0	\$0.00	0.00	\$0.00	0	\$0.00
6b	4" trench pave	800	sy	35.00	28000.00	0	\$0.00	642.67	\$22,493.45	642.67	\$22,493.45
6c	1.5" mill and overlay	3000	sy	11.00	33000.00	0	\$0.00	988.00	\$10,868.00	988	\$10,868.00
7a	44 emmanuel	1	ls	4000.00	4000.00	0	\$0.00	1.00	\$4,000.00	1	\$4,000.00
7b	12" drain washington st	1	ls	7500.00	7500.00	0	\$0.00	1.00	\$7,500.00	1	\$7,500.00
7c	8" drain true st	1	ls	6000.00	6000.00	0	\$0.00	1.00	\$6,000.00	1	\$6,000.00
7d	roots/clean/cctv true st	1	ls	2500.00	2500.00	0	\$0.00	0.00	\$0.00	0	\$0.00
7e	10' 8" di drain true st	1	ls	6000.00	6000.00	0	\$0.00	1.00	\$6,000.00	1	\$6,000.00
8a	dix st pump station	1	ls	135000.00	135000.00	0	\$0.00	1.00	\$135,000.00	1	\$135,000.00
8b	rbp pump station	1	ls	145000.00	145000.00	0	\$0.00	1.00	\$145,000.00	1	\$145,000.00
8c	electrical service	1	allowance	15000.00	15000.00	0	\$0.00	0.00	\$0.00	0	\$0.00
9	rodent control	1	ls	7500.00	7500.00	0	\$0.00	1.00	\$7,500.00	1	\$7,500.00
10a	rock and boulder	10	cy	65.00	650.00	0	\$0.00	0.00	\$0.00	0	\$0.00
10b	additional rock	10	cy	0.01	0.10	0	\$0.00	0.00	\$0.00	0	\$0.00
11	excavation below	20	cy	25.00	500.00	0	\$0.00	4.10	\$102.50	4.1	\$102.50
12a	unsuitable	100	cy	20.00	2000.00	0	\$0.00	100.00	\$2,000.00	100	\$2,000.00
12b	hazardous material	50	cy	50.00	2500.00	0	\$0.00	0.00	\$0.00	0	\$0.00
13	misc concrete	20	cy	0.01	0.20	0	\$0.00	8.00	\$0.08	8	\$0.08
14	remove/dispose ac pipe	60	lf	0.01	0.60	0	\$0.00	0.00	\$0.00	0	\$0.00
15	misc work and cleanup	1	ls	22000.00	22000.00	0	\$0.00	1.00	\$22,000.00	1	\$22,000.00
16	mobilize	1	ls	25000.00	25000.00	0	\$0.00	1.00	\$25,000.00	1	\$25,000.00
17	Dix St Drain	1	ls			0	\$0.00	1.00	\$13,210.00	1	\$13,210.00
18	change order #1	1	ls	38942.67	38942.67	0	\$0.00	1.00	\$38,942.67	1	\$38,942.67
19	change order #2	1	ls	30201.48	30201.48	0	\$0.00	1.00	\$30,201.48	1	\$30,201.48
20	change order #3	1	ls	31182.97	31182.97	0	\$0.00	0.00	\$31,182.97	1	\$31,182.97
					\$ 609,748.05		\$0.00		\$594,647.20		\$594,647.20

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RESOURCE PROTECTION**

PERIODIC PAYMENT FORM
(Contractor's Request)

LOAN NO. : CWP-13-16 & 16(A) DMS PROJECT NO.: CWSRF 3832 CONTRACT NO.: WW-004 (1A)				DESCRIPTION OF CONTRACT / TASK: House Sump Pump Removal/ Inflow Removal Program			
CONTRACTOR NAME & ADDRESS: Moriarty & Sons, Inc. P.O. Box 216 Andover, MA 01845				REQUEST NO.: <u>28</u>			
CONSULTANT ENGINEER NAME & ADDRESS: CDM Smith 75 State Street Suite 701 Boston, Massachusetts 02109				PAYMENT PERIOD: From <u>2/24/16</u> To <u>1/4/17</u> CONTRACT SERVICE DATES: From <u>2/24/16</u> To <u>1/4/17</u>			

EXPENDITURE TYPE	APPROVED COST \$	PREVIOUS REQUESTS		THIS REQUEST \$	CUMULATIVE REQUESTS		REMAINING BALANCE \$
		%	\$		%	\$	
Construction	\$ 731,605.00	98%	\$ 716,973.00	\$14,632.00	###	\$ 731,605.00	\$ -
MBE/WBE Subcontractors							
Total Mechanical	\$ 29,500.00	0%	\$0.00		0%		
E.L. Waterman	\$ 32,850.00	83%	\$27,126.77		0%		
<i>Total</i>	\$ 731,605.00	98%	\$ 716,973.00	\$14,632.00	###	\$ 731,605.00	\$ -

<i>I certify that to the best of my belief and knowledge, (i) that the attached invoices are in accordance with the specifications of the approved project plans; and (ii) that all work in place as of this date are in accordance with the terms of the above referenced Construction Contract.</i>	BY THE CONTRACTOR	Certified by: <u></u> Type Name and Title: Dan Moriarty President	Date Signed <u>1/4/17</u>
	BY THE CONSULTING ENGINEER	Recommended by: <u></u> Type Name and Title: Steven R. Callahan Project Manager	Date Signed <u>1-16-17</u>
		THE WORK AS INVOICED HEREIN TO DATE APPEARS REASONABLE AND THEREFORE RECOMMENDED FOR LOAN DISBURSEMENT <u></u> SIGNATURE Kelly Taylor PRINT NAME KELLY TAYLOR DEP/BRP PROJECT INSPECTOR	Date Signed <u>3-10-17</u> Telephone <u>617 292 9817</u>
		BY THE PROJECT INSPECTOR	

CONTRACT INVOICE SUMMARY

Approved Contract: \$ 731,605.00

REQUEST NO.: 28
DATE: 1/12/2017

REQUEST NUMBER	CONTRACTOR	INVOICE NO.	DATE	INVOICE AMOUNT	RETAINAGE	NET INVOICE	PRIOR REQUESTED REIMBURSEMENT	CURRENT REQUESTED REIMBURSEMENT	COMMENTS
13	Moriarty & Sons	1	9/1/2015	\$410,375.00	\$20,518.75	\$389,856.25	\$389,856.25		
14	Moriarty & Sons	2	9/2/2015	\$224,000.00	\$11,200.00	\$212,800.00	\$212,800.00		
19	Moriarty & Sons	3	2/26/2016	\$97,230.00	\$4,861.50	\$92,368.50	\$92,368.50		
19	Moriarty & Sons	3	2/26/2016		(\$21,948.15)	\$21,948.15	\$21,948.15		Retainage Reduction
28	Moriarty & Sons	4	1/4/2017		(\$14,632.10)	\$14,632.10		\$14,632.10	Retainage Release
TOTAL				\$731,605.00		\$731,605.00	\$716,972.90	\$14,632.10	
Rounded						\$731,605.00	\$716,973.00	\$14,632.00	

APPLICATION AND CERTIFICATE FOR PAYMENT

Page one of 1 of 2

To Owner: City of Revere
281 Broadway
Revere, Ma 02151

From Contractor: Moriarty & Sons, Inc.
P.O. Box 216
North Andover, MA 01845

Project: House-Summary-Removal-Program
Contract: DPED-2015-1008 Contract ID:
CWSRF-3455

Application No.: 4 final
Period To: 2/23/16 to 1/4/17
Project Nos.: WW-004 12/3, 1/14

Distribution To:
Owner
Architect
Contractor

Date of Substantial Completion 11/19/15

Contract For:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the contract

Continuation sheet, AIA Document G703, is attached

1.	ORIGINAL CONTRACT SUM	\$ 864,102.00
2.	NET CHANGE BY CHANGE ORDERS	\$ -
3.	CONTRACT SUM TO DATE (LINE 1+2)	\$ 864,102.00
4.	TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$ 731,605.00
5.	RETAINAGE:	
a.	0% % of Completed work (columns D+E on G703)	\$ -
b.	% of Stored Material (column F on G703)	\$ -
	Total Retainage (Line 5A + 5b or Total in Column I of G703)	\$ -
6.	TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	\$ 731,605.00
7.	LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior certificate)	\$ 716,972.90
8.	CURRENT PAYMENT DUE	\$ 14,632.10
9.	BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less line 6)	\$ 132,497.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by owner		
Total approved this Month		
Totals		
NET CHANGES by Change Order		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by the Application for Payment has been completed in accordance with the contract documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payments were issued and payments received from the owner, and that current payment shown herein is now due.

Contractor:

By:

Moriarty & Sons, Inc.

Date: 1/4/2017

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Engineer certifies to the owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED

this Application and on the Continuation Sheet that are changed to conform to the other certified.

By:

Steven Callahan, Construction Coordinator:

Date:

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Nicholas Rystrom
City Engineer

Frank Stringi
Director of Planning & Community Development

Myles Johnson
Resident Engineer

Donald Goodwin
Superintendent of Public Works

Owner:	City of Revere										
Project:	Sump Pump Removal Project	CWSRF	3832								
Requisition:	4 final										
Date:	1/4/2017										
								quantity	total \$	total	
Item	Description	quantity	unit	unit price	total price	quantity this period	due this period	previously completed	previously completed	quantity to date	total \$ to date
1	dye test drain/sewer	43.00	ea	150.00	6450.00	0.00	0.00	20.00	3000.00	20.00	3000.00
2	plug existing sewer connection	93.00	ea	500.00	46500.00	0.00	0.00	88.00	44000.00	88.00	44000.00
3	interior- 1.5" pvc up to 50'	45.00	ea	2500.00	112500.00	0.00	0.00	46.00	115000.00	46.00	115000.00
3a	interior- 1.5" pvc beyond 50'	100.00	lf	0.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00
4	unknown access	1.00	allow	5000.00	5000.00	0.00	0.00	0.00	0.00	0.00	0.00
5	core thru foundation wall	125.00	ea	200.00	25000.00	0.00	0.00	120.00	24000.00	120.00	24000.00
6a	interior-redirect sump pump 1.5"	80.00	ea	2500.00	200000.00	0.00	0.00	90.00	225000.00	90.00	225000.00
6b	interior-redirect sump pump 2"	10.00	ea	3000.00	30000.00	0.00	0.00	4.00	12000.00	4.00	12000.00
6c	additional 1.5" pvc item 6a	50.00	lf	0.01	0.50	0.00	0.00	0.00	0.00	0.00	0.00
6d	additional 2" pvc item 6b	50.00	lf	0.01	0.50	0.00	0.00	0.00	0.00	0.00	0.00
7a	exterior-3" pvc in trench	50.00	lf	50.00	2500.00	0.00	0.00	68.00	3400.00	68.00	3400.00
7b	exterior-4" pvc in trench	175.00	lf	50.00	8750.00	0.00	0.00	334.00	16700.00	334.00	16700.00
8a	exterior-2" pvc above ground	1200.00	lf	25.00	30000.00	0.00	0.00	1791.00	44775.00	1791.00	44775.00
8b	exterior-3" pvc above ground	30.00	lf	25.00	750.00	0.00	0.00	30.00	750.00	30.00	750.00
9	core in curbing/retaining wall	3.00	ea	250.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00
10	splash block set up	120.00	ea	100.00	12000.00	0.00	0.00	100.00	10000.00	100.00	10000.00
11a	leaching basin	15.00	ea	2500.00	37500.00	0.00	0.00	21.00	52500.00	21.00	52500.00
12	f&l new sump pump	20.00	ea	1200.00	24000.00	0.00	0.00	6.00	7200.00	6.00	7200.00
13	cut and splash	150.00	ea	250.00	37500.00	0.00	0.00	3.00	750.00	3.00	750.00
14a	heavy clean sewer/drain 4"-12"	50.00	lf	50.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00
14b	cctv sewer/drain 4"-12"	50.00	lf	50.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00
15a	2" temp pave	20.00	sy	50.00	1000.00	0.00	0.00	10.00	500.00	10.00	500.00
15b	1.5" mill and overlay	20.00	sy	100.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00
15c	3.5" driveway pave	200.00	sy	55.00	11000.00	0.00	0.00	0.00	0.00	0.00	0.00
16	test pit	20.00	cy	50.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00
17a	rock and boulder	10.00	cy	65.00	650.00	0.00	0.00	0.00	0.00	0.00	0.00
17b	additional rock	10.00	cy	100.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00
18	below	10.00	cy	50.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
19	dispose hazardous	10.00	cy	150.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00
20	misc concrete	20.00	cy	200.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00
21	preconstruction survey	149.00	ea	250.00	37250.00	0.00	0.00	140.00	35000.00	140.00	35000.00
22a	screened gravel	30.00	cy	50.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00
22b	crushed stone	30.00	cy	50.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00
23a	44 sweeney	1.00	ls	34000.00	34000.00	0.00	0.00	0.00	0.00	0.00	0.00
23b	redirection of inflow source	3.00	ea	8500.00	25500.00	0.00	0.00	3.00	25500.00	3.00	25500.00
24	professional landscape	1.00	allow	8000.00	8000.00	0.00	0.00	0.00	0.00	0.00	0.00
25	field office	1.00	allow	10000.00	10000.00	0.00	0.00	0.00	0.00	0.00	0.00
26a	6" di sewer 0-4' deep	200.00	lf	65.00	13000.00	0.00	0.00	0.00	0.00	0.00	0.00
26b	6" di sewer 4'-8' deep	300.00	lf	75.00	22500.00	0.00	0.00	0.00	0.00	0.00	0.00
26c	6" di sewer 8'-12' deep	100.00	lf	85.00	8500.00	0.00	0.00	0.00	0.00	0.00	0.00
26d	bulkhead 12" pipe or smaller	5.00	ea	100.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
27	misc work and cleanup	1.00	ls	55000.00	55000.00	0.00	0.00	1.00	55000.00	1.00	55000.00
28	mobilize	1.00	ls	40000.00	40000.00	0.00	0.00	1.00	40000.00	1.00	40000.00
29	additional work 25 steeple st	1.00	ls	16530.00	0.00	0.00	0.00	1.00	16530.00	1.00	16530.00
					864102.00		0.00		731605.00		731605.00

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RESOURCE PROTECTION**

PERIODIC PAYMENT FORM
(Contractor's Request)

LOAN NO. : CWP-13-16 & 16(A) DMS PROJECT NO.: CWSRF 3832 CONTRACT NO.: WW-004 (1B)				DESCRIPTION OF CONTRACT / TASK: House Sump Pump Removal/ Inflow Removal Program			
CONTRACTOR NAME & ADDRESS: Moriarty & Sons, Inc. P.O. Box 216 Andover, MA 01845				REQUEST NO.: <u>28</u>			
CONSULTANT ENGINEER NAME & ADDRESS: CDM Smith 75 State Street Suite 701 Boston, Massachusetts 02109				PAYMENT PERIOD: From <u>10/28/16</u> To <u>12/29/16</u> CONTRACT SERVICE DATES: From <u>10/28/16</u> To <u>12/29/16</u>			

EXPENDITURE TYPE	APPROVED COST \$	PREVIOUS REQUESTS		THIS REQUEST \$	CUMULATIVE REQUESTS		REMAINING BALANCE \$
		%	\$		%	\$	
Construction	\$ 1,055,637.00	86%	\$ 912,775.00	\$40,499.00	90%	\$ 953,274.00	\$ 102,363.00
				/			
MBE/WBE Subcontractors							
Total Mechanical	\$ 36,000.00	21%	\$7,589.40				
E.L. Waterman	\$ 40,125.00	85%	\$34,057.11				
<i>Total</i>	\$ 1,055,637.00	86%	\$ 912,775.00	\$40,499.00	90%	\$ 953,274.00	\$ 102,363.00

<i>I certify that to the best of my belief and knowledge, (i) that the attached invoices are in accordance with the specifications of the approved project plans; and (ii) that all work in place as of this date are in accordance with the terms of the above referenced Construction Contract.</i>	BY THE CONTRACTOR	Certified by: Type Name and Title: Dan Moriarty President	Date Signed <u>11/4/17</u>
	BY THE CONSULTING ENGINEER	Recommended by: Type Name and Title: Steven R. Callahan Project Manager	Date Signed <u>1-16-17</u>
	BY THE PROJECT INSPECTOR	THE WORK AS INVOICED HERE TO DATE APPEARS REASONABLE AND THE ENGINEER RECOMMENDS FOR LOAN DISBURSEMENT. SIGNATURE Kelly Taylor PRINT NAME DEPI/BRP PROJECT INSPECTOR	Date Signed <u>3-10-17</u> Telephone <u>617 292 5817</u>

APPLICATION AND CERTIFICATE FOR PAYMENT

Page one of 1 of 2

To Owner: City of Revere
281 Broadway
Revere, Ma 02151

Application No.: 6
Period To: 10/28/16 to 12/29/16
Project Nos.: WW-004

Distribution To:
Owner
Architect
Contractor

From Contractor: Moriarty & Sons, Inc.
P.O. Box 216
North Andover, MA 01845

Contract Date:

Contract For:

CONTRACTOR'S APPLICATION FOR PAYMENT

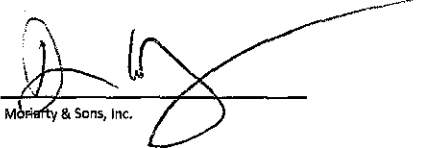
Application is made for payment, as shown below, in connection with the contract
Continuation sheet, AIA Document G703, is attached

1.	ORIGINAL CONTRACT SUM	\$ 1,055,637.25
2.	NET CHANGE BY CHANGE ORDERS	\$ -
3.	CONTRACT SUM TO DATE (LINE 1+2)	\$ 1,055,637.25
4.	TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$ 972,727.10
5.	RETAINAGE:	
a.	2% % of Completed work (columns D+E on G703)	\$ (19,454.54)
b.	% of Stored Material (column F on G703)	\$ -
	Total Retainage (Line 5A + 5b or Total in Column I of G703)	\$ (19,454.54)
6.	TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	\$ 953,272.56
7.	LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior certificate)	\$ 912,774.06
8.	CURRENT PAYMENT DUE	\$ 40,498.50
9.	BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less line 6)	\$ 102,364.69

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by owner		
Total approved this Month		
Totals		
NET CHANGES by Change Order		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by the Application for Payment has been completed in accordance with the contract documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payments were issued and payments received from the owner, and that current payment shown herein is now due.

Contractor:

By: 
Moriarty & Sons, Inc.

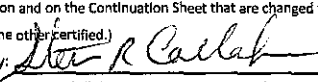
Date: 12/29/2016

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Engineer certifies to the owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED

this Application and on the Continuation Sheet that are changed to conform to the other certified.)

By: 
Steven Callahan, Construction Coordinator:

Date: 1-10-17

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Nicholas Rystrom
City Engineer

Myles Johnson
Resident Engineer

Frank Stringi
Director of Planning & Community Development

Donald Goodwin
Superintendent of Public Works

Owner:	City of Revere											
Project:	House Sump Pump/Inflow Removal CWSRF	3832	Cont.1B									
Requisition #	6											
Date:	12/29/2016											
item	Description	quantity	unit	bid	bid total	quantity this period	due this period	quantity previously completed	total \$ previously completed	total quantity to date	total \$ to date	
1	dye test drain/sewer	15.00	ea	250.00	3750.00	0.00	\$ -	13	\$ 3,250.00	13.00	3,250.00	
2	plug existing sewer connection	47.00	ea	500.00	23500.00	0.00	\$ -	43	\$ 21,500.00	43.00	21,500.00	
4	unknown access	1.00	allow	5000.00	5000.00	0.00	\$ -	0	\$ -	0.00	0.00	
5	core thru foundation wall	54.00	ea	200.00	10800.00	0.00	\$ -	54	\$ 10,800.00	54.00	10,800.00	
6a	interior-redirect sump pump 1.5"	60.00	ea	2500.00	150000.00	0.00	\$ -	61	\$ 152,500.00	61.00	152,500.00	
6b	interior-redirect sump pump 2"	2.00	ea	2500.00	5000.00	0.00	\$ -	3	\$ 7,500.00	3.00	7,500.00	
6c	additional 1.5" pvc item 6a	75.00	lf	0.01	0.75	0.00	\$ -	0	\$ -	0.00	0.00	
6d	additional 2" pvc item 6b	75.00	lf	0.01	0.75	0.00	\$ -	0	\$ -	0.00	0.00	
7a	exterior-3" pvc in trench	20.00	lf	0.01	0.20	0.00	\$ -	0	\$ -	0.00	0.00	
7b	exterior-4" pvc in trench	40.00	lf	50.00	2000.00	0.00	\$ -	100	\$ 5,000.00	100.00	5,000.00	
7c	exterior-6" pvc in trench	50.00	lf	85.00	4250.00	0.00	\$ -	0	\$ -	0.00	0.00	
7d	exterior-12" di (0'-6' deep)	300.00	lf	125.00	37500.00	0.00	\$ -	381.5	\$ 47,687.50	381.50	47,687.50	
7e	exterior-6"-24" drain/sewer (0-8')	50.00	lf	0.01	0.50	0.00	\$ -	6	\$ 0.06	6.00	0.06	
7f	exterior-4" di drain	1050.00	lf	95.00	99750.00	0.00	\$ -	1140	\$ 108,300.00	1140.00	108,300.00	
7g	exterior- 2" pvc drain	50.00	lf	40.00	2000.00	0.00	\$ -	34	\$ 1,360.00	34.00	1,360.00	
8a	exterior-2" pvc above ground	230.00	lf	25.00	5750.00	0.00	\$ -	558	\$ 13,950.00	558.00	13,950.00	
8b	exterior-3" pvc above ground	50.00	lf	0.01	0.50	0.00	\$ -	0	\$ -	0.00	0.00	
9	core in curbing/retaining wall	3.00	ea	200.00	600.00	0.00	\$ -	0	\$ -	0.00	0.00	
10	splash block set up	30.00	ea	100.00	3000.00	0.00	\$ -	28	\$ 2,800.00	28.00	2,800.00	
11a	leaching basin	3.00	ea	2500.00	7500.00	0.00	\$ -	3	\$ 7,500.00	3.00	7,500.00	
12	f&l new sump pump	12.00	ea	1000.00	12000.00	0.00	\$ -	0	\$ -	0.00	0.00	
13	cut and splash	10.00	ea	25.00	250.00	0.00	\$ -	0	\$ -	0.00	0.00	
14a	connect to existing cb/dmh	16.00	ea	650.00	10400.00	0.00	\$ -	13	\$ 8,450.00	13.00	8,450.00	
14b	connect to existing drain pipe	10.00	ea	1500.00	15000.00	0.00	\$ -	20	\$ 30,000.00	20.00	30,000.00	
15	4' dmh	2.00	ea	4000.00	8000.00	0.00	\$ -	2	\$ 8,000.00	2.00	8,000.00	
16	4' cb	2.00	ea	5000.00	10000.00	0.00	\$ -	2	\$ 10,000.00	2.00	10,000.00	
17a	cb rehab new frame and grate	10.00	ea	1200.00	12000.00	0.00	\$ -	0	\$ -	0.00	0.00	
17b	existing cb cleaning	30.00	ea	100.00	3000.00	0.00	\$ -	3	\$ 300.00	3.00	300.00	
17c	cb											

	ALTERNATE 1										
1	dye test drain/sewer	5.00	ea	250.00	1250.00	0.00	\$ -	2	\$ 500.00	2	\$ 500.00
2	plug existing sewer connection	20.00	ea	500.00	10000.00	1.00	\$ 500.00	18	\$ 9,000.00	19	\$ 9,500.00
5	core thru foundation wall	31.00	ea	200.00	6200.00	4.00	\$ 800.00	30	\$ 6,000.00	34	\$ 6,800.00
6a	interior-redirect sump pump 1.5"	31.00	ea	2500.00	77500.00	1.00	\$ 2,500.00	30	\$ 75,000.00	31	\$ 77,500.00
6b	interior-redirect sump pump 2"	2.00	ea	2500.00	5000.00	0.00	\$ -	1	\$ 2,500.00	1	\$ 2,500.00
7b	exterior-4" pvc in trench	20.00	lf	50.00	1000.00	0.00	\$ -	53	\$ 2,650.00	53	\$ 2,650.00
8a	exterior-2" pvc above ground	280.00	lf	25.00	7000.00	43.00	\$ 1,075.00	320	\$ 8,000.00	363	\$ 9,075.00
10	splash block set up	32.00	ea	100.00	3200.00	1.00	\$ 100.00	23	\$ 2,300.00	24	\$ 2,400.00
11a	leaching basin	1.00	ea	2500.00	2500.00	0.00	\$ -	0	\$ -	0	\$ -
12	f&i new sump pump	4.00	ea	1000.00	4000.00	0.00	\$ -	1	\$ 1,000.00	1	\$ 1,000.00
28	precon survey	28.00	ea	250.00	7000.00	1.00	\$ 250.00	25	\$ 6,250.00	26	\$ 6,500.00
31	misc work and cleanup	1.00	lump	500.00	500.00	0.00	\$ -	0.5	\$ 250.00	0.5	\$ 250.00
32	mobilization	1.00	lump	500.00	500.00	0.00	\$ -	1	\$ 500.00	1	\$ 500.00
					\$ 125,650.00		\$ 5,225.00		\$ 113,950.00		\$ 119,175.00
	ALTERNATE 2										
1	dye test drain/sewer	300.00	ea	250.00	75000.00	0.00	\$ -	130	\$ 32,500.00	130	\$ 32,500.00
2	plug existing sewer connection	20.00	ea	500.00	10000.00	0.00	\$ -	0	\$ -	0	\$ -
5	core thru foundation wall	31.00	ea	200.00	6200.00	0.00	\$ -	0	\$ -	0	\$ -
6a	interior-redirect sump pump 1.5"	31.00	ea	2500.00	77500.00	0.00	\$ -	0	\$ -	0	\$ -
8a	exterior-2" pvc above ground	280.00	lf	25.00	7000.00	0.00	\$ -	0	\$ -	0	\$ -
10	splash block set up	32.00	ea	100.00	3200.00	0.00	\$ -	0	\$ -	0	\$ -
13	cut and splash	150.00	ea	25.00	3750.00	0.00	\$ -	7	\$ 175.00	7	\$ 175.00
28	precon survey	71.00	ea	250.00	17750.00	0.00	\$ -	42	\$ 10,500.00	42	\$ 10,500.00
31	misc work and cleanup	1.00	lump	500.00	500.00	0.00	\$ -	0.5	\$ 250.00	0.5	\$ 250.00
32	mobilization	1.00	lump	500.00	500.00	0.00	\$ -	1	\$ 500.00	1	\$ 500.00
					\$ 201,400.00		\$ -		\$ 43,925.00		\$ 43,925.00
	ALTERNATE 3										
2	plug existing sewer connection	2.00	ea	500.00	1000.00	0.00	\$ -	1	\$ 500.00	1	\$ 500.00
5	core thru foundation wall	2.00	ea	200.00	400.00	0.00	\$ -	1	\$ 200.00	1	\$ 200.00
6a	interior-redirect sump pump 1.5"	3.00	ea	2500.00	7500.00	0.00	\$ -	1	\$ 2,500.00	1	\$ 2,500.00
6c	additional 1.5" pvc item 6a	25.00	lf	0.01	0.25	0.00	\$ -	0	\$ -	0	\$ -
7d	exterior-12" di (0'-6' deep)	160.00	lf	125.00	20000.00	0.00	\$ -	155	\$ 19,375.00	155	\$ 19,375.00
7f	exterior-4" di drain	100.00	lf	95.00	9500.00	0.00	\$ -	55	\$ 5,225.00	55	\$ 5,225.00
14a	connect to existing cb/dmh	2.00	ea	650.00	1300.00	0.00	\$ -	3	\$ 1,950.00	3	\$ 1,950.00
15	4' dmh	1.00	ea	4000.00	4000.00	0.00	\$ -	1	\$ 4,000.00	1	\$ 4,000.00
16	4' cb	2.00	ea	5000.00	10000.00	0.00	\$ -	2	\$ 10,000.00	2	\$ 10,000.00
22a	2" temp pave	200.00	sy	50.00	10000.00	0.00	\$ -	93.4	\$ 4,670.00	93.4	\$ 4,670.00
22b	full width 1.5" mill and overlay	350.00	sy	18.00	6300.00	0.00	\$ -	93.4	\$ 1,681.20	93.4	\$ 1,681.20
24a	bank run gravel	350.00	cy	0.01	3.50	0.00	\$ -	0	\$ -	0	\$ -
26	rodent control	1.00	lump	2500.00	2500.00	0.00	\$ -	1	\$ 2,500.00	1	\$ 2,500.00
28	precon survey	2.00	ea	250.00	500.00	0.00	\$ -	3	\$ 750.00	3	\$ 750.00
31	misc work and cleanup	1.00	lump	500.00	500.00	0.00	\$ -	0.5	\$ 250.00	0.5	\$ 250.00
32	mobilization	1.00	lump	3000.00	3000.00	0.00	\$ -	1	\$ 3,000.00	1	\$ 3,000.00
					\$ 76,503.75		\$ -		\$ 56,601.20		\$ 56,601.20
					\$ 1,056,637.25		\$ 41,325.00		\$ 931,402.10		\$ 972,727.10

PERIODIC PAYMENT FORM

(Contractor's Request)

FORM BMF-2000

Task/Contract No.: WW-005

CONTRACT INVOICE SUMMARY

Approved Contract: \$ 298,719.00

REQUEST NO.: 28

DATE: 1/12/2017

[illegible]

APPLICATION AND CERTIFICATION FOR PAYMENT

ALA DOCUMENT G702

PAGE ONE OF

ONE

PAGES

TO OWNER: City of Revere

PROJECT: Case Drive Sewer Improvements

APPLICATION NO

1

1 Distribution to:

OWNER

ENGINEER

CONTRACTOR

PERIOD TO: 12/1/16-12/31/16

FROM CONTRACTOR:

VIA ENGINEER:

Commonwealth Construction & Utilities, Inc.

City of Revere

PURCHASE ORDER#

CONTRACT NO: WW-005

CONTRACT FOR:

CONTRACT DATE 11/07/16

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

1. ORIGINAL CONTRACT SUM		\$	\$ 298,719.25
	Adjusted Contract Price	\$	-
2. Net change by Change Orders		\$	0.00
3. CONTRACT SUM TO DATE (Line 1 ± 2)		\$	\$ 298,719.25
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)		\$	140,611.39
5. RETAINAGE:			
a.	5 % of Completed Work	\$	7,030.57
b.	% of Stored Material		
	(Column F on G703)		
Total Retainage (Lines 5a + 5b or Total in Column I of G703)		\$	7,030.57
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)		\$	133,580.82
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)		\$	0.00
8. CURRENT PAYMENT DUE		\$	133,580.82
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)		\$	\$ 158,107.86

CONTRACTOR:

By:

Date:

1/13/17

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Engineer certifies to the Owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$

133,580.82

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ENGINEER:

By:

Date:

1-16-17

Steven Callahan, Project Manager

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$0.00	\$0.00
Total approved this Month	\$0.00	\$0.00
TOTALS	\$0.00	\$0.00
NET CHANGES by Change Order	\$0.00	

Nicholas Rystrom
City Engineer

Date:

John Hayes
Resident Engineer

Date:

1/13/17

Frank Stringi
Director of Planning & Community Development

Date:

Donald Goodwin
Superintendent of Public Works

Date:

OWNER	CITY OF REVERE		
PROJECT	CASE DRIVE SEWER IMPROVEMENTS	CWSRF	3832
REQUISITION NO:	1		
DATE	1/10/17		

		qty	units	unit price	total	qty this period	due this period	qty previously completed	total \$ previously completed	total quantity to date	total \$ to date
1	Remove sewer manhole S613 furnish and install 5' diameter precast concrete sewer manhole to depth indicated on drawings, interior MH drops (drop bowl), geotextile fabric and trench supports	1	ls	\$65,000.00	\$65,000.00	1	\$65,000.00	0	\$0.00	1	\$65,000.00
2	Remove and replace existing 8" AC sewer pipe as directed by the engineer with new 8" PVC sewer pipe, including earth excavation and backfill	100	lf	\$100.00	\$10,000.00	108.2	\$10,820.00	0	\$0.00	108.2	\$10,820.00
3a	Furnish and install cured-in-place lining in existing 8" sewers including cleaning and TV inspection	1150	lf	\$41.00	\$47,150.00	0	\$0.00	0	\$0.00	0	\$0.00
3b	Perform heavy cleaning on existing 8" sewers	290	lf	\$5.75	\$1,667.50	1301.9	\$7,485.93	0	\$0.00	1301.9	\$7,485.93
4	Grind-down protruding taps on service laterals identified through CCTV inspection	18	ea	\$230.00	\$4,140.00	5	\$1,150.00	0	\$0.00	5	\$1,150.00
5	Furnish and install service lateral connection lining a minimum of 24" into existing service connections, including cleaning and TV inspection as identified through CCTV	18	ea	\$1,840.00	\$33,120.00		\$0.00	0	\$0.00	0	\$0.00
6	Perform heavy cleaning of service laterals a minimum of 24" on lateral connections as identified through CCTV inspection specified in item 3a	9	ea	\$345.00	\$3,105.00		\$0.00	0	\$0.00	0	\$0.00
7	Grout service lateral/mainline connection for services that cannot be lined	2	ea	\$340.00	\$680.00		\$0.00	0	\$0.00	0	\$0.00
8	Chemical grout pumped in services that cannot be lined	10	gallons	\$11.50	\$115.00		\$0.00	0	\$0.00	0	\$0.00
9a	Cleaning and CCTV inspection of 36" RC cross country drain from Sweeny Ave to Caruso ST	490	fl	\$5.00	\$2,450.00	471.9	\$2,359.50	0	\$0.00	471.9	\$2,359.50
9b	Additional heavy cleaning of 36" RC drain	125	lf	\$23.00	\$2,875.00	122	\$2,806.00	0	\$0.00	122	\$2,806.00
9c	Cleaning and CCTV inspection of 12" drain on Case Dr	325	lf	\$2.30	\$747.50	313.9	\$721.97	0	\$0.00	313.9	\$721.97
9d	Additional heavy cleaning of 12" drain	85	lf	\$9.25	\$786.25	84.6	\$782.55	0	\$0.00	84.6	\$782.55
10	Remove existing 8" CI water and replace with new 8" CLDI for temporary shut down including excavation and backfill	50	lf	\$234.00	\$11,700.00		\$0.00	0	\$0.00	0	\$0.00
11	Furnish and install fittings as identified on the plans	200	lbs	\$0.01	\$2.00		\$0.00	0	\$0.00	0	\$0.00
12a	Screened gravel for utility crossings and miscellaneous purposes	10	cy	\$50.00	\$500.00		\$0.00	0	\$0.00	0	\$0.00
12b	Crushed stone	130	cy	\$13.00	\$1,690.00	92.84	\$1,206.92	0	\$0.00	92.84	\$1,206.92
12c	Lightweight concrete for additional excavation	35	cy	\$135.00	\$4,725.00		\$0.00	0	\$0.00	0	\$0.00
12d	Select common fill for miscellaneous uses	10	cy	\$50.00	\$500.00		\$0.00	0	\$0.00	0	\$0.00
13a	Initial trench width hot mix asphalt in city streets, 4" thick	130	sy	\$53.00	\$6,890.00	80	\$4,240.00	0	\$0.00	80	\$4,240.00
13b	Permanent full width mill and overlay pavement in city streets, 1-1/2" thick	325	sy	\$35.00	\$11,375.00		\$0.00	0	\$0.00	0	\$0.00
14	Furnish and install new curb-hot mix asphalt	120	lf	\$15.00	\$1,800.00		\$0.00	0	\$0.00	0	\$0.00
15a	furnish hot mix asphalt driveway: 6" thick including excavation and subbase	150	sy	\$63.00	\$9,450.00		\$0.00	0	\$0.00	0	\$0.00
15b	Furnish hot mix asphalt sidewalk: 4" thick including excavation and subbase	75	sy	\$60.00	\$4,500.00	23	\$1,380.00	0	\$0.00	23	\$1,380.00
16	Test pits	50	cy	\$0.01	\$0.50	32	\$0.32	0	\$0.00	32	\$0.32
17	Removal and proper disposal of over excavated material beyond 4', including lightweight concrete fill, excavation support and dewatering	20	cy	\$200.00	\$4,000.00		\$0.00	0	\$0.00	0	\$0.00
18	Obtain the services of a professional drilling company; drill boring in location determined by engineer prior to removing sewer manhole S613	1	ls	\$5,000.00	\$5,000.00	1	\$5,000.00	0	\$0.00	1	\$5,000.00
19a	Rock and boulder excavation	50	cy	\$65.00	\$3,250.00	0	\$0.00	0	\$0.00	0	\$0.00
19b	Additional payment for rock and boulder excavation above the set price	50	cy	\$0.01	\$0.50	0	\$0.00	0	\$0.00	0	\$0.00
20	Maintenance of flow in existing sewers and drains (bypass pumping)	1	ls	\$34,000.00	\$34,000.00	1	\$34,000.00	0	\$0.00	1	\$34,000.00
21	Professional landscaping for houses: 28,29,38 and 39 Case dr	1	ls	\$5,000.00	\$5,000.00		\$0.00	0	\$0.00	0	\$0.00
22	Engineers field office	1	ls	\$15,000.00	\$15,000.00	0	\$0.00	0	\$0.00	0	\$0.00
23	Rodent control	1	ls	\$1,500.00	\$1,500.00	0.4388	\$658.20	0	\$0.00	0.4388	\$658.20
24	Miscellaneous work and cleanup, including bringing buried drain and sewer manholes to grade, and all items listed in Section 02301	1	ls	\$5,000.00	\$5,000.00	0.5	\$2,500.00	0	\$0.00	0.5	\$2,500.00
25	Mobilization (not to exceed 5% of subtotal bid price		ls	\$1,000.00	\$0.00	0.5	\$500.00	0	\$0.00	0.5	\$500.00
					\$297,719.25		\$140,611.39				\$140,611.39

Phase IV RBP DRAIN C.O.

10000000000054753097POLDETL01071700000400000000040000VC60002266771

INVOICE		Customer Name		Page 1
Remit to:		NATIONAL WATER MAIN CLEANING		
MASSACHUSETTS DEPARTMENT OF STATE POLICE		Customer Number	Invoice Number	Notice Date
COMMONWEALTH MASTER LOCKBOX		VC6000226677	RE129916A16120844800	12-08-16
PO BOX 417638		E-Payment ID	AR Dept BPRO	Due Date
BOSTON MA 02241-7638		0054753097	POL:DETL	01-07-17
		Amount Due	Amount Enclosed	
		\$400.00		

Bill to:

NATIONAL WATER MAIN CLEANING
 ATTN: Dennis Sullivan
 25 MARSHALL ST
 CANTON MA 02021-2479

Payment Method: Check ☐ Money Order ☐

☐ Please check if address has changed. Write correct address on back of stub and attach with payment

Please write Invoice No on front of check or Money Order. DO NOT MAIL CASH

Please detach the above stub and return with your remittance payable to COMMONWEALTH OF MASSACHUSETTS



Commonwealth of Massachusetts
 DEPARTMENT OF STATE POLICE
ORIGINAL

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DEC 14 2016

Page : 1

Customer Name		Invoice Number		Notice Date	Due Date	
NATIONAL WATER MAIN CLEANING		RE129916A16120844800		12-08-16	01-07-17	
Invoice Charges						
Ref Line No.	DESCRIPTION	Invoice Date	No. of Units	Unit of Measure	Unit Price	Charges/Credit
1	10% Administrative Processing Fee	12-08-16				\$0.00
2	11/27/16 - cronin rink 870 rbpkwy revere - henry, d - 8 hrs	12-08-16				\$400.00
Credit Payments Applied						\$0.00
Total Amount Due By						\$400.00

The Department of the State Police provides this invoice for a Private Detail delivered to your company through the Troop A Detail Office. This invoice will advance through a 120 day billing cycle - 1 invoice and 3 late Dunning notices - before an aggressive collection process will be enforced (Intercept and Debt Collection). Minimum of 4 hours pay; Over 4 hours, 8 hours minimum pay; Over 8 hours, time and one-half; \$44/HR REG, \$66/HR OT. If you have questions related to officers and the dollar amount on this invoice, please contact the Troop Detail Officer at 978-538-6030.

EFFECTIVE 10/23/2016, DETAIL RATES HAVE CHANGED TO \$50/HR REG, \$75/HR OT (OVER 8 HRS).

Instructions

Please check this bill for accuracy. If you have recently made a payment that is not appearing on this bill, the payment will be reflected in your next bill. If you have any questions concerning this bill, please call the contact listed below. Thank you.

CONTACT: The Receivable Unit 508-820-2145

Phase IV RBP Drain C.O.

10000000000054753202POLDETLO1071700000400000000040000VC60002266776

INVOICE
Remit to:
MASSACHUSETTS DEPARTMENT OF STATE POLICE
COMMONWEALTH MASTER LOCKBOX
PO BOX 417638
BOSTON MA 02241-7638

Customer Name		Page 1
NATIONAL WATER MAIN CLEANING		
Customer Number	Invoice Number	Notice Date
VC6000226677	RE129916A16120844980	12-08-16
E-Payment ID	AR Dept BPRO	Due Date
0054753202	POL:DETL	01-07-17
Amount Due		Amount Enclosed
\$400.00		

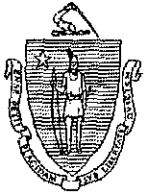
Bill to:
NATIONAL WATER MAIN CLEANING
ATTN: Dennis Sullivan
25 MARSHALL ST
CANTON MA 02021-2479

Payment Method: Check ☐ Money Order ☐

☐ Please check if address has changed. Write correct address on back of stub and attach with payment

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Commonwealth of Massachusetts
DEPARTMENT OF STATE POLICE
ORIGINAL

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DEC 14 2016

Page : 1

Customer Number VC600226677						
Customer Name NATIONAL WATER MAIN CLEANING	Invoice Number RE129916A16120844980	Notice Date 12-08-16	Due Date 01-07-17			
Invoice Charges						
Ref Line No.	DESCRIPTION	Invoice Date	No. of Units	Unit of Measure	Unit Price	Charges/ Credit
1	10% Administrative Processing Fee	12-08-16				\$0.00
2	11/28/16 - rt 107 @ cronin rink - revere- mandfacchia, s - 4 hrs	12-08-16				\$200.00
3	11/28/16 - rt 107 @ cronin rink - revere- smith, a - 4 hrs	12-08-16				\$200.00
Credit Payments Applied						\$0.00
Total Amount Due By 01-07-17						\$400.00

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Instructions

Phase IV RBP DRAIN CO.

10000000000054753211POLDETLO1071700000400000000040000VC6000226677

INVOICE		Customer Name		Page 1
Remit to:		NATIONAL WATER MAIN CLEANING		
MASSACHUSETTS DEPARTMENT OF STATE POLICE COMMONWEALTH MASTER LOCKBOX PO BOX 417638 BOSTON MA 02241-7638		Customer Number	Invoice Number	Notice Date
		VC6000226677	RE129916A16120845000	12-08-16
		E-Payment ID	AR Dept BPRO	Due Date
		0054753211	POL:DETL	01-07-17
		Amount Due		Amount Enclosed
		\$400.00		

Bill to:

NATIONAL WATER MAIN CLEANING
ATTN: Dennis Sullivan
25 MARSHALL ST
CANTON MA 02021-2479

Payment Method: Check ☐ Money Order ☐

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Commonwealth of Massachusetts
DEPARTMENT OF STATE POLICE
ORIGINAL

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DEC 14 2016

Page : 1

Customer Name		Invoice Number		Notice Date	Due Date
NATIONAL WATER MAIN CLEANING		RE129916A16120845000		12-08-16	01-07-17
Invoice Charges					
Ref Line No.	DESCRIPTION	Invoice Date	No. of Units	Unit of Measure	Charges/Credit
1	10% Administrative Processing Fee	12-08-16			\$0.00
2	11/27/16 - cronin rink revere -higgins, m - 8 hrs	12-08-16			\$400.00
Credit Payments Applied					\$0.00
Total Amount Due By 01-07-17					\$400.00

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CONTACT: The Receivable Unit 508-820-2145

Phase IV RBP DRAIN CO.

10000000000054777348POLDETLO1151700001350000000135000VC60002266778

INVOICE		Customer Name		Page 1
Remit to:		NATIONAL WATER MAIN CLEANING		
MASSACHUSETTS DEPARTMENT OF STATE POLICE		Customer Number	Invoice Number	Notice Date
COMMONWEALTH MASTER LOCKBOX		VC6000226677	RE129916A16120846110	12-17-16
PO BOX 417638		E-Payment ID	AR Dept BPRO	Due Date
BOSTON MA 02241-7638		0054777348	POL:DETL	01-15-17
		Amount Due	Amount Enclosed	
		\$1,350.00		

Bill to:

NATIONAL WATER MAIN CLEANING
ATTN: Dennis Sullivan
25 MARSHALL ST
CANTON MA 02021-2479

RECEIVED

DEC 27 2016

Payment Method: Check ☐ Money Order ☐

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Commonwealth of Massachusetts
DEPARTMENT OF STATE POLICE
ORIGINAL

Page : 1

Customer Name		Invoice Number		Notice Date	Due Date
NATIONAL WATER MAIN CLEANING		RE129916A16120846110		12-17-16	01-15-17

Invoice Charges						
Ref Line No.	DESCRIPTION	Invoice Date	No. of Units	Unit of Measure	Unit Price	Charges/Credit
1	10% Administrative Processing Fee	12-16-16				\$0.00
2	12/05/16 - cronin rink, revere - benedetto, t - 9 hrs	12-16-16				\$475.00
3	12/05/16 - cronin rink, revere - sullivan, s - 9 hrs	12-16-16				\$475.00
4	12/06/16 - cronin rink, revere - sova, t - 8 hrs	12-16-16				\$400.00

Credit Payments Applied		\$0.00
Total Amount Due By	01-15-17	\$1,350.00

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Phase IV RBP DRAW C.O.

10000000000054777599P0LDETL01151700000800000000080000V60002266771

INVOICE		Customer Name		Page 1
Remit to:		NATIONAL WATER MAIN CLEANING		
MASSACHUSETTS DEPARTMENT OF STATE POLICE		Customer Number	Invoice Number	Notice Date
COMMONWEALTH MASTER LOCKBOX		VC6000226677	RE129916A16120846690	12-17-16
PO BOX 417638		E-Payment ID	AR Dept BPRO	Due Date
BOSTON MA 02241-7638		0054777599	POL:DETL	01-15-17
		Amount Due	Amount Enclosed	
		\$800.00		

Bill to:

NATIONAL WATER MAIN CLEANING
ATTN: Dennis Sullivan
25 MARSHALL ST
CANTON MA 02021-2479

RECEIVED

DEC 27 2016

Payment Method: Check ☐ Money Order ☐

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Commonwealth of Massachusetts
DEPARTMENT OF STATE POLICE
ORIGINAL

Page : 1

Customer Name		Invoice Number		Notice Date	Due Date
NATIONAL WATER MAIN CLEANING		RE129916A16120846690		12-17-16	01-15-17
Invoice Charges					
Ref Line No.	DESCRIPTION	Invoice Date	No. of Units	Unit of Measure	Unit Price
1	10% Administrative Processing Fee	12-16-16			\$0.00
2	12/09/16 - cronin rink - revere - fiore, n - 8 hrs	12-16-16			\$400.00
3	12/09/16 - cronin rink - revere - surian, d - 8 hrs	12-16-16			\$400.00
Credit Payments Applied					\$0.00
Total Amount Due By 01-15-17					\$800.00

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EFFECTIVE 10/23/2016, DETAIL RATES HAVE CHANGED TO \$50/HR REG, \$75/HR OT (OVER 8 HRS).

Instructions

Phase IV

WW-001

FROM: REVERE POLICE DEPARTMENT
400 REVERE BEACH PARKWAY
REVERE, MA 02151-4050

12/12/16

60

TO: NATIONAL WATER MAIN 4-1
CDM SMITH
50 HAMPSHIRE STREET
CAMBRIDGE, MA 02139

*** DETAIL INVOICE ***

date	inv#	hours	officer	total	paid	bal
12/05/16	161124	4.00	297 SGT COVINO	176.00		176.00
			RTE 16 8PM-12AM			
12/06/16	161083	4.00	822 AUX GORDON	176.00		176.00
			RTE 16 8PM-4AM			
12/06/16	161084	4.00	822 AUX GORDON	264.00		264.00
12/06/16	161106	5.00	341 PTL ALFARO	330.00		330.00
			RELIEF/REVERE BEACH PKWY 12AM			
12/07/16	161149	4.00	291 PLT INTERNICOLA	176.00		176.00
			RTE 16 8PM-4AM			
12/07/16	161150	4.00	291 PLT INTERNICOLA	264.00		264.00
12/07/16	161157	4.00	822 AUX GORDON	176.00		176.00
			REVERE BEACH PKWY 8PM-4AM			
12/07/16	161158	4.00	822 AUX GORDON	264.00		264.00

TOTAL: 1826.00

PLEASE MAKE CHECK PAYABLE TO THE "CITY OF REVERE".
INQUIRY CONTACT THE DETAIL OFFICE, (781) 286-8333, 8 AM TO 4 PM
MONDAY THROUGH FRIDAY.

***** PLEASE RETURN COPY OF INVOICE WITH PAYMENT *****

THANK YOU,
CAPTAIN JAMES GUIDO

PHASE IV

CASE DRIVE SOWER

FROM: REVERE POLICE DEPARTMENT
400 REVERE BEACH PARKWAY
REVERE, MA 02151-4050

12/12/16

1360

TO: COMMONWEALTH CONSTRUCTION
P.O. BOX 972
WATERTOWN, MA 02472

WW-005

*** DETAIL INVOICE ***

date	inv#	hours	officer	total	paid	bal
12/05/16	161135	8.00	354 PTL SILVESTRO	352.00		352.00
			CASE DRIVE 7AM-3PM			
12/06/16	161089	8.00	289 SGT ROSE	352.00		352.00
			CASE DRIVE 7AM-3:30PM			
12/06/16	161090	1.00	289 SGT ROSE	66.00		66.00
12/06/16	161107	8.00	258 SGT COLANNINO, K	352.00		352.00
			4PM TO 12AM CASE DR			
12/07/16	161155	8.00	354 PTL SILVESTRO	528.00		528.00
			CASE DRIVE 12-8AM			
12/07/16	161161	8.00	192 PTL SERINO	352.00		352.00
			CASE DRIVE 8AM-4:30PM			
12/07/16	161162	1.00	192 PTL SERINO	66.00		66.00
12/08/16	161188	8.00	150 PTL LAURIA	352.00		352.00
			7:00AM TO 3:30PM CASE DR			
12/08/16	161189	1.00	150 PTL LAURIA	66.00		66.00
12/09/16	161232	8.00	345 PTL DERCOLO	352.00		352.00
			7AM TO 3PM CASE DR			

TOTAL: 2838.00

PLEASE MAKE CHECK PAYABLE TO THE "CITY OF REVERE".
INQUIRIES, CONTACT THE DETAIL OFFICE, (781) 286-8333, 8 AM TO 4 PM
MONDAY THRU FRIDAY.

***** PLEASE RETURN COPY OF INVOICE WITH PAYMENT *****

THANK YOU,
CAPTAIN JAMES GUIDO

Phase IV

FROM: REVERE POLICE DEPARTMENT
400 REVERE BEACH PARKWAY
REVERE, MA 02151-4050

12/12/16

117

TO: MORIARTY AND SONS
P.O. BOX 1167
HAMPTON, NH 03843

Buy pay 1B

*** DETAIL INVOICE ***

date	inv#	hours	officer	total	paid	bal
12/07/16	161141	4.00	350 PTL DELLOIACONO MOUNTAIN AVE. 10AM-12PM	176.00		176.00
12/08/16	161197	8.00	258 SGT COLANNINO, K 7AM TO 3:30PM 127 MOUNTAIN AVE	352.00		352.00
12/09/16	161230	8.00	334 PTL HERRERA 7AM TO 3PM 123 MOUNTAIN AVE	352.00		352.00

TOTAL: 880.00

PLEASE MAKE CHECK PAYABLE TO THE "CITY OF REVERE".
INQUIRIES, CONTACT THE DETAIL OFFICE, (781) 286-8333, 8 AM TO 4 PM
MONDAY THRU FRIDAY.

***** PLEASE RETURN COPY OF INVOICE WITH PAYMENT *****

THANK YOU,
CAPTAIN JAMES GUIDO



THE CITY OF
REVERE MASSACHUSETTS

CITY HALL
281 BROADWAY
REVERE, MA 02151

GEORGE M. ANZUONI

Director of Finance - City Collector and City Treasurer

January 17, 2017

Mr. Robert Bourque
Mass DEP
Bureau of Water Resources/Division of Municipal Services
One Winter Street, 5th Floor
Boston, MA 02108

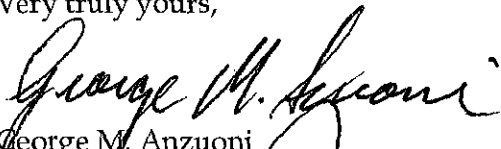
Subject: Revere, Massachusetts
SRF Loan Drawdown No. 28
Project No. CWSRF-3832 (CWP-13-16 & 16 (A))
Construction Phase
Sewer System Rehabilitation - Phase IV (WW-001)
Revere Beach Pkwy/Dix St PS Improvements (WW-002)
House Sump Pump Removal Program -Contract 1A & 1B (WW-004)
Case Drive Sewer Improvements (WW-005)

Dear Mr. Bourque:

Enclosed please find the completed SRF Drawdown Requisition No. 28 dated January 17, 2017 for the City of Revere's ongoing Sewer Improvements Project (CY-2014 CWSRF Project No. 3832). The requisition includes payment request # 12 for National Water Main Cleaning Co (WW-001), payment request # 8 for Moriarty & Sons, Inc (WW-002), payment request # 4 for Moriarty & Sons, Inc (WW-004 (1A)), payment request # 6 for Moriarty & Sons, Inc (WW-004 (1B)), payment request # 1 for Commonwealth Construction & Utilities (WW-005), as well as police invoices.

If you have any questions regarding the enclosed SRF Drawdown Requisition No. 28, please do not hesitate to call me at (781) 286-8136 or Steven Callahan of CDM Smith at (617) 452-6719.

Very truly yours,


George M. Anzuoni
Director of Finance, Collector & Treasurer

cc: Laurie Giardella-Revere City Auditor, Steven Callahan, CDM Smith