

FORM 9
CERTIFICATE OF SUBSTANTIAL PERFORMANCE OF THE
CONTRACT UNDER SECTION 32 OF THE ACT

Construction Act

City of Sault Ste Marie

(County/District/Regional Municipality/Town/City in which premises are situated)

55 Allen's Side Road, Sault Ste Marie, ON

(street address and city, town, etc., or, if there is no street address, the location of the premises)

This is to certify that the contract for the following improvement:

Contract No. 2019-13E - West End Wastewater Treatment Plant - Phase 1 Upgrades - Partial Substantial of work completed as of November 30, 2022 (refer to Appendix A)

(short description of the improvement)

to the above premises was substantially performed on **November 30, 2022**

(date substantially performed)

Date certificate signed: **December 15, 2022**



(payment certifier where there is one)

(owner and contractor, where there is no payment certifier)

Name of owner: **City of Sault Ste Marie**

Address for service: **99 Foster Drive, Sault Ste Marie, ON P6A 5N1**

Name of contractor: **Maple Reinders Constructors Ltd**

Address for service: **1921 91 Street SW, Suite 201, Edmonton, AB, T6X 0W8**

Name of payment certifier (where applicable): **AECOM Canada Ltd.**

Address: **523 Wellington Street East, Sault Ste Marie, ON P6A 2M4**

(Use A or B, whichever is appropriate)

A. Identification of premises for preservation of liens:

(if a lien attaches to the premises, a legal description of the premises, including all property identifier numbers and addresses for the premises)

B. Office to which claim for lien must be given to preserve lien:

City of Sault Ste Marie

(if the lien does not attach to the premises, a concise description of the premises, including addresses, and the name and address of the person or body to whom the claim for lien must be given)

Contact No. 2019-13E - West End Wastewater Treatment Plant - Phase 1 Upgrades
 Certificate of Substantial Performance
 APPENDIX A - List of Partial Substantial Work Completed as of Nov 30-2022

Substantially Complete as of November 30th, 2022	
Item	Description
1.5	Bypass Pumping
3	Site Works (Div 2)
3.1	Demo & Removals
3.2	Site Preparation
3.3	Site Clearing, Excavation, Back Filling, Grading for Structures
3.4	Headworks Piles
3.5	WAS Piles
3.6	Asphalt
3.7	Concrete Walks & Curbs
3.8	Electrical Trenching
3.9	Yard Piping
3.10	Manholes/ Precast S&I
3.11	Lead Abatement
3.12	Landscaping
4	Concrete (Div 3)
4.1	Septage Building
4.2	Storage Shed
4.3	Main Sewage Pumping Station
4.4	Headworks B
4.5	Headworks A
4.6	Inlet Channel Wall
4.7	Dewatering Complex
4.8	AHU & Odour Control Foundations
4.9	WAS Tank
4.10	Misc Concrete
5	Masonry (Div 4)
5.1	Septage Unloading Station
5.2	Main Sewage Pumping Station
5.3	Headworks Building B
5.4	Headworks Building A
5.5	Admin/ Dewatering
6	Metal Work (Div 5)
6.1	Structural & Misc Metals
6.2	Screening Bin Supply
7	Wood & Plastics (Div 6)
7.1	Rough Carpentry
7.2	Timber Trusses
8	Thermal & Moisture Protection (Div 7)
8.1	Waterproofing & Dampproofing
8.2	Roof System
8.3	SBS Membrane Roofing
8.4	Sealants/ Fire Stopping/ Cladding Repairs

9	Doors & Windows (Div 8)
9.1	Doors & Frames
9.2	Finish Hardware
9.3	Floor Hatches
9.4	Manway Hatches
9.5	Coiling Doors
9.6	Glass & Glazing
9.7	Room 939 Partition
10	Painting (Div 9)
10.2	Special Coatings
10.3	Painting
11	Equipment (Div 11)
11	Major Process Equipment (See below Items 11.2-11.22)
11.2	Process Demo
11.3	SS Piping System
11.4	Valve Package
11.5	SS Slide Gates
11.7	Inline Macerators
11.8	Rotary Lobe Pumps
11.9	Self Priming Centrifugal Pumps
11.10	Effluent Water Booster Pumps
11.11	Non Potable Water Booster Pumps
11.12	Grit Classifier and Equipment
11.13	Positive Displacement Blower
11.14	Coarse Bubble Aeration Equipment
11.16	Polymer System
11.17	Was Tank/ Piping and Mixing System
11.18	Sludge Conveyance System
11.20	Misc Process / Equipment
11.21	Cutting & Coring
11.22	Insulation
11.23	Screening System
11.24	Centrifuges
11.25	Rotary Drum Thickeners
12	Furnishings (Div 12)
12.1	Furnishing
13	Instrumentation & Control (Div 13)
13.1	Cabling
13.2	Headworks Instrument supply
13.3	Other Instrument supply
13.4	Calibration
14	Conveying Equipment (Div 14)
14.1	Dewatering 4 Ton
14.2	Dewatering & Polymer 1 Ton

14.3	HW 2 Ton
14.4	HW 1 Ton
15	Mechanical (Div 15)
15.1	Demolition & Removals
15.2	Plumbing Piping & Fixtures
15.3	Insulation
15.5	Air Conditioning
15.6	Ductwork & Accessories
15.7	Gas Fired Equipment
15.8	Electric Heaters
15.9	Fans & Controls
15.10	Automatic Controls
16	Electrical (Div 16)
16.1	Duct Banks/ Civil
16.2	Tray
16.3	Cabling
16.4	Equipment Connections
16.5	Distribution
16.7	Generator
17	Network (Div 17)
17.1	Network
17.2	Co-ordination With System Programmer
18	Commissioning & O&M's
18.1	Commissioning & Training

CO #	Change Orders Substantially Completed by November 30th
1	Non-Potable Water Piping Replacement
2	New Roofing System
3	WAS Tank Helical Piles
4	Crane Removal
5	Drain Pipe Replacement
6	Channel Wall Elevation-Interference With Slab
7	Parapet rotten wood replacment (Pump Station)
8	T&M Topping removal
9	Omit the Electrical Handholes - alternate cable route options.
10	Removal of Cast in Place Concrete
11	Headworks Building A Ductbank
12	Ductbank E Changes
13	Admin Elect Room Change
	Generator Duct Trench
	Ground System Credit
15	Flexible Cable
16	Centrifugal Flush-less seals
17	HVAC Controls Alternate

18	Time Delay Relay
19	Test Holes for Potential Change
20	MCC-E Relocation
21	Topping Removal
22	Gas Detection System
23	Dewatering Build Cleanout Removal
24	MMC-B Feeders
25	Wall Cavity Repair (Pumping Station, HW-B, Admin/dewatering)
26	Yard Lighting
27	Removeable Grating
28	Centrifuge Walkway Support Conflict
29	Burst Indicator Voltage
30	Dewatering Building Roof Drain
31	Sludge Conveyance Control Changes
32	UPS in Septage Receiving Station
33	AHU-2 Structural Framing Modifications
34	Ductbank F alternate routing
35	AHU-2 Remote Touchscreen PC
36	Roof Drains Above Centrifuges & RDT's
37	Headworks A-Extra Emergency Lighting
38	MCC-D Parallel Feeders
39	Topping Replacement in Polymer Room 938
40	Natural Gas Line at AHU-3 Odour Control Fans
41	Exterior Pad Floor Drains
42	Effluent Water Line and Yard Hydrant Install
43	Backflow Preventer at Main Pump Water Service
44	Add Insulation at AHU-3 Foundation
45	Remote Head Classification
46	Dewatering Basement Floor Drains
47	Heat Trace Electrical Information
48	Admin Return Air
49	Revise Glazing at HW-A
50	Misc. Framing and Exterior
	Glazing Install- Cladding conflict
	Remove Cladding for Glazing Install (Main Pump Station T&M)
52	Trailer Bay Hatch Replacement
53	Unit Heater Replacement
54	ISR Wiring
55	HW-B Return Air Duct
56	Strainer Control Panel Breaker
57	Dechlorination System Relocation
58	Potable Water Line to NE Corner Headworks B
59	Ductbank F Clarifications
60	Trailer Bay Drainpipe Replacement

62	OH Coiling Door Panel Classification
63	Connection to Existing NPW Line at Septage Receiving
64	Extra Work On Rigid Insulation
66	Valve and Rupture Disc Size Discrepancy
67	Re-Install Cladding at MPS for Glazing Install
68	Removal and Reinstallation of Siding at Admin/Dewatering and HW-B
69	4T and 1T Crane and Runway in Dewatering Area
70	Grit Vortex Chamber Repairs
71	Ex Channel Gate Location
72	Macerator Control Panel
73	Brick Repair DW Boiler Room East Wall
75	Credit for Removal of the Blower Intake Piping
76	Boiler System Controls
77	Generator Fence Credit
78	AHU-3 Duct Support
79	Counterbalanced Stacker
80	WAS Mixer Pump
81	AHU-4 Siding - Offset Relocate AC Compressor
82	AHU - 4 - Lintel Conflict Relocate Plumbing Vent
84	Trailer Bay Bollard Replacement
85	Sludge Trailer Jack Stand
86	PLC Chassis - Supply
87	AHU 5, 6 Distribution Side
88	Supply Alternate Spill Unit (Credit)
89	AC-3 Drip Shields
91	Concrete Sealer in Polymer Room
92	Repairs Needed at #2 Grit Vortex Tanks
93	Additional Heat Trace Scope - Process Lines at HW-A & B
94	Odour Control Duct Engineering Design - Existing Structure
95	Trailer Present Inputs
96	Screen Channel Covers
98	Supply and Install Shelving Units for Spare Parts
99	City COVID Vaccination Policy
	SCADA Terminal
	SCADA Change Increase
101	Peeling Lead Paint Removal
102	Dewatering Polymer Platform Modifications
103	Existing Utility Conduits
104	Additional Gas Detection Beacons at HW-A
105	Existing Wiring Conditions - New Panel DP-BBA
106	Back End Covers for Trailer Conveyors
107	RDT Access Platforms
108	Terminate Yard Hydrant
109	HVAC Alarms

110	Door Frame Install
111	Bridge Collectors
112	Rig Mat Removal
113	Door 425 (Cost Sharing)
114	Septage Receiving HVAC Modifications
115	Maintain Existing Curb at Back Up Generator
116	Hub Drain Strainer Covers
117	Contract Completion Extension
118	Asphalt Removal and Replacement
120	Gas Detection Location
	Dewatering West Odour Duct Support/Changes Cost to Date
	Odour Control Duct Between RDT's
122	Windows Server CAL - Additional/ SI -055 Supply and Install Breakers
123	Remove Cladding from Contract Scope
124	Additional Spare Parts Shelving
125	MPS Louvre Insulated Panel Install
126	Replace Sediment Hose Bib & Relocate Hydronic Unit Heater UL DW
127	Sludge Pump Drain Connections
128	Dewatering Polymer Tank Outlet Valves
129	MCC-C2 Relay Station
130	HW - A Bin Relocation
131	Centrifuge Sludge Cake Sample Port
132	Effluent Water Hose Station at Centrifuge
133	Sludge Pipe and Valve Deletion
134	July and August Contract Extension
135	Paved Road to Generators Conflict
136	Retaining Walls
138	Countersunk Anchors for Floor Plates
139	Centrifuge Platform Guardrail Ladder
140	Sump Control - High Level Alarms
141	Additional Mobilization and Travel Costs for 1T Crane Install
142	Chlorine Building Access Widening
143	Coring at Septage Receiving
144	Main Road Asphalt Restoration over Ductbank F
145	Sidewalk Construction
146	Unit Heaters - HW - A
148	Recycled Asphalt Road Thickness Credit
149	Concrete Mix Design Credit
150	September OH Costs
153	MPS-ICP - Sewage Pump Investigation Work
154	Provide Drain to Bisulphate Tanks at Dechlorination Shed
155	Cut, Chip and Patch Existing Pipe Drip Damage
156	Macerator Drain Valves
157	EPMS Cabling

158	Insulate Existing Water Line in Admin Dewatering Building
159	R & R Collapsed Conduit at MPS
160	WAS Tank Barrier Blocks
161	Drain Line Flush Email, Manual Eff. Check Valve Email
163	Plant Bypass Flow Meter
164	Liquid Polymer Testing
165	Capacitor Relocation
166	October OH Costs
28	Centrifuge Platform Modifications