

Town of Ayer, Massachusetts
1 Main Street
Ayer, MA 01432

TO: Prospective Bidders

RE: Contract Documents
Town of Ayer, Massachusetts
Ayer Wastewater Treatment Facility – FY2019 Improvements
Contract No. 20DPW02

FILED SUB-BID

OPENING: November 13, 2019 at 2:30 p.m.
Ayer Department of Public Works
25 Brook Street
Ayer, MA 01432

GENERAL BID

OPENING: December 4, 2019 at 2:30 p.m.
Ayer Department of Public Works
25 Brook Street
Ayer, MA 01432

ADDENDUM NO. 1

This Addendum No. 1 to the above referenced project modifies, corrects and/or supplements the original Contract Documents date October 2019 and shall become a part of the Contract Documents.

Acknowledge receipt of the Addendum by inserting its number in the space provided on page 004113-1 of the Bid Form or page 004213-1 of the Filed Sub-Bid Form. Failure to do so may subject the bidder or sub-bidder to disqualification.

Attached to this addendum is the Pre-Bid Conference Minutes and Attendees List (3 pages), a sketch SK-E-1 (1 page), and written questions submitted along with associated answers (1 page).

CHANGES TO THE SPECIFICATIONS

A. SECTION 055313 – BAR GRATINGS

1. Page 055313-1, DELETE Paragraph 1.1 in its entirety and replace with REPLACE with “NOT USED”.

B. SECTION 014000 – QUALITY REQUIREMENTS

1. 014000-2, Paragraph DI, DELETE “DI.” and REPLACE with “E.”
2. 014000-2, Paragraph DII, DELETE “DII.” and REPLACE with “F.”
3. 014000-2, Paragraph DIII, DELETE “DIII.” and REPLACE with “G.”
4. 014000-2, Paragraph DIV, DELETE “DIV.” and REPLACE with “H.”
5. 014000-2, Paragraph DV, DELETE “DV.” and REPLACE with “I.”
6. 014000-2, Paragraph DVI, DELETE “DVI.” and REPLACE with “J.”

CHANGES TO THE DRAWINGS

A. SHEET A-7

1. Location A2, DELETE “8” GF CMU” and REPLACE with “4” GF CMU”.”
2. Location B2 and C2, DELETE “8” GF CMU” and REPLACE with “4” GF CMU”.”

B. SHEET E-14

1. Location F1, INSERT note number 5:
“5. SEE SHEET E-17 FOR LIGHTING PANEL LP-3 DETAIL.”

C. SHEET E-15

1. Location F1, INSERT note number 6:
“6. SEE SHEET E-17 FOR LIGHTING PANEL LP-3 DETAIL.”

D. SHEET E-17

1. Location 2D, INSERT contents of Sketch SK-E-1.

Town of Ayer, Massachusetts
Ayer Wastewater Treatment Facility - FY2019 Improvements

Contract No. 20DPW02

PRE-BID CONFERENCE AGENDA
November 6, 2019 - 10:00 a.m.

I. Facility History

The Ayer Wastewater Treatment Facility (WWTF) was constructed in 1982. Miscellaneous upgrades have been implemented since, including:

- 1994 - ceramic fine bubble diffusers and blower building added
- 2007 - process improvements including grit, tertiary, anoxic tanks, tank conversion, addition of ultraviolet (UV) disinfection and disk filters; electrical and controls upgrades
- 2011 - UV system replacement, energy upgrade
- 2018 - Misc. safety and architectural, building mechanical, and electrical improvements

II. Project Overview

The primary focus of the FY2019 Improvements is to create separate spaces for grit and future solids handling areas in the Process and Maintenance Building, structural improvements and relocation of doors and windows, as well as new walls, and HVAC, plumbing, and electrical improvements. The project also includes demolition of an existing belt conveyor system, modifications to the existing grit classifier, and, site improvements. A detailed discussion of the project was not included given the wide variety of work to be done.

The FY2019 Improvements project is a standalone project. It is anticipated that FY2020 Improvements, including solids handling improvements including pumps, gravity belt thickener, plant water and polymer systems, will be advertised and bid in the summer or fall of 2020.

III. Maintenance of Plant Operations (MOPO)

Due to the scope of the contract, no service interruptions at the WWTF are anticipated. Specification Section 013513.53 should be carefully reviewed. Coordination of timing and duration of grit classifier relocation will be needed.

The Contractor is responsible for coordinating snow removal efforts in construction and staging areas with WWTF staff.

IV. Schedule

- Pre-bid Meeting: November 6, 2019, 10:00 a.m. - Ayer WWTF
- Filed Sub-bid Opening: November 13, 2019, 2:30 p.m. - Ayer Department of Public Works

- Filed sub-bid categories include masonry work, painting, plumbing, HVAC, and electrical.
- General Bid Opening: December 4, 2019, 2:30 p.m. - Ayer Department of Public Works
- Contract Duration: 220 calendar days commencing 20 day following Effective Date of Agreement (190 calendar days to substantial completion).
- Liquidated Damages will be assessed for work beyond the contract duration.

V. Funding

Project is funded locally (not CWSRF). Bidding and Award of this Contract will be under provisions of M.G.L. Chapter 149, Section 44A-44J. All bidders (general bidders and filed sub-bidders) must have current certificate of eligibility issued by the Division of Capital Asset Management and Maintenance (DCAMM). The General Contractor DCAMM category is Sewage and Water Treatment Plants.

VI. Miscellaneous Issues

1. **Staging Areas and Temporary Facilities** -The Town requires constant accessibility to all facilities at the site. The designated staging area is shown on the drawings. Engineer's temporary field office is already on site; Contractor is responsible for providing supplies and furnishings in accordance with Section 015000.
2. **Submittals** - Independent hosted web-based electronic system shall be by Submittal Exchange or equal. Contractor is responsible for obtaining.
3. **Questions and Attendee List** - It was noted that only questions submitted in writing and responded to by Addenda will be binding. Oral responses should not be considered binding. Bidders were advised to submit questions in writing to Matthew Pitta (PittaMD@cdmsmith.com). Attendees to the pre-bid conference were requested to sign the attendee list available at the pre-bid conference; the list is attached.
4. **Addenda** - No addenda have been issued to date. It was noted that notes from the pre-bid conference meeting and attendee list will be distributed via addenda.

VII. Questions and Answers

A brief question and answer session was held.

VIII. Site Visit

Following the Q&A session, a tour of the WWTF was held.

TOWN OF AYER, MASSACHUSETTS
 WASTEWATER TREATMENT FACILITY - FY2019 IMPROVEMENTS
 CONTRACT NO. 20DPW02
 PRE-BID CONFERENCE MEETING
 WEDNESDAY, NOVEMBER 6, 2019 AT 10:00 AM

ATTENDANCE LIST

<u>NAME</u>	<u>AGENCY / COMPANY</u>	<u>PHONE</u>	<u>EMAIL</u>
Anthony Caruso	Waterline Ind	603-918-0792	acaruso@waterlineind.com
Suzanne Natale	Elm Electrical	413-568-0905	snatale@elmelec.com
Nicholas Brecken	Winston Builders	508-366-1767	Nick.Winston@Aol.com
Graham Hines	Weston+Sampson	978-977-0110	hinesg@wseinc.com CMREstimating@wseinc.com
LARRY HARRIS	LAFLEUR ELECTRIC	505-832-9333	lharris@lafleurelectric.com
Jay Dolep	ROYAL STEAM HEATER	978-632-0330	mcloves@royalsteamheater.com
Mark Wetzel	Ayer DPW	978-772-8240	mwetzel@ayer.ma.us
Dan VanSchalkwyk	Ayer DPW	978-772-8240	dvanschalkwyk@ayer.ma.us
Tom Casey	CDM Smith	617-452-6736	caseytm@cdmsmith.com
Bill Lengyel	CDM Smith	860-808-2272	lengyelw@cdmsmith.com

AMP MAIN LUG ONLY 100 AMP BUS RATING 20 POLES 208/120 VOLTS 3 PHASE 4 WIRE 60 Hz.						EXISTING LIGHTING PANEL LP-7 (PROCESS BUILDING)						LOCATION: PROCESS BUILDING ELEC ROOM ENCLOSURE RATING: NEMA 1 , MOUNTING: SURFACE					
CIRCUIT NO.	DESCRIPTION	LOAD KVA			BREAKER AMPS/POLES	NOTES	CIRCUIT NO.	DESCRIPTION	LOAD KVA			BREAKER AMPS/POLES	NOTES				
		PHASE A	PHASE B	PHASE C					PHASE A	PHASE B	PHASE C						
1	NIGHT LIGHTS - 1ST FLOOR				20 /1		2	NIGHT LIGHTS - 1ST FLOOR				20 /1					
3	SPACE				/1		4	LTS - STAIR #2, BASEMENT EBU & EXIT				20 /1					
5	SPACE				/1		6	LTS - BOILER RM, STAIR #2, EBU & EXIT				20 /1					
7	BOILER FEED PUMP				20 /1		8	LIGHTING - HVAC MEZZANINE				20 /1					
9	EMER. SHOWER ALARM - LAB		0.1		20 /1		10	EMER. SHOWER ALARM - BASEMENT		0.1		20 /1	7				
11	EMER. SHOWER ALARM - GBT RM			0.1	20 /1	7	12	CIRCULATOR PUMP #1			0.1	20 /1					
13	BOILER NO. 1	1.18			20 /1		14	BOILER FEED PUMP	1.1			20 /1					
15	TEMP. CONTROL PANEL BOILER RM		0.3		20 /1		16	SPARE				20 /1					
17	SPARE				20 /1		18	TEPID WATER RECIRC PUMP-BOILER RM			0.7	20 /1	7				
19	SPARE				20 /1		20	SPARE				20 /1					
TOTAL PHASE KVA THIS SIDE		1.18	0.4	0.1			TOTAL PHASE KVA THIS SIDE		1.9	0.3	0.8						
								TOTAL KVA PER PHASE		3.08	0.7	0.9					
								TOTAL THREE PHASE KVA		4.68							
NOTES:						NOTES CONT.:											
1. PROVIDE LOCKING HARDWARE						2. 5 ma GROUND FAULT INTERRUPTER (GFI) CIRCUIT BREAKER											
3. 30 ma GFI CIRCUIT BREAKER FOR EQUIPMENT PROTECTION ONLY (HEAT TRACE)						4. PROVIDE LOCKING HARDWARE & PAINT BREAKER HANDLE RED (FACP)											
5. BRANCH CIRCUIT WIRING: 3/4"C, 3#12 & 1#12G						6. BRANCH CIRCUIT WIRING: 3/4"C, 3#10 & 1#12G											
7. BRANCH CIRCUIT WIRING: 3/4"C, 2#12 & 1#12G						8.											



AYER, MASSACHUSETTS
CONTRACT 20DPW02
AYER WASTEWATER
TREATMENT FACILITY
FY2019 IMPROVEMENTS

DATE NOV. 2019

SHEET NO. E-17

LOCATION 2D

ADDENDUM NO. 1

FIGURE NO. SK-E-1

Attachment to Addendum No. 1

Town of Ayer, Massachusetts Ayer Wastewater Treatment Facility – FY2019 Improvements

Contract No.: 20DPW02

Questions and Answers

Questions by: Lafleur Electrical Contractors

- Q1.** Specification 260001 1.17 – Is the intent of this specification that the Electrical Contractor provide a separate temporary electrical service and meter powered by the local Utility Company for the Contractors office trailer, construction area small power receptacles and lighting?
- A1.** Electrical Contractor shall provide temporary electrical service from the Process and Maintenance Building to the Contractor’s trailer. Meter is not required.
- Q2.** Who supplies the Emergency Shower Alarm Station and components shown on Drawing E-18, Detail “B”? The various components are not specified in the Division 26 specifications.
- A2.** The various components of the Emergency Shower Alarm Station are specified on Drawing E-18, Detail B, and are provided by Division 26. They are powered from LP-7. See SK-E-1 attached.
- Q3.** Where does the Tepid Water Recirculating Pump shown on P-5, Diagram 1 receive power from? How is it controlled?
- A3.** The Tepid Water Recirc Pump is powered from LP-7. See SK-E-1 attached. It is controlled by a timer as specified in Section 221119 “Domestic Water Piping Specialties”