



CITY OF TACOMA

Public Works Department, Facilities Management Division

ADDENDUM NO. 2

DATE: October 30, 2020

REVISIONS TO:

Request for Bids Specification No. PW20-0061F

Fire Pump, Domestic Water and Automatic Transfer Switch Projects

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

- Submittal Deadline has been extended to 11:00 am Pacific Time, Tuesday, November 10, 2020

REVISIONS TO THE GENERAL INFORMATION AND REQUIREMENTS:

- NONE

REVISIONS TO THE SPECIFICATIONS:

- NONE

REVISIONS TO THE PLANS:

- Replace Sheet P0.02 in its entirety

QUESTIONS AND ANSWERS:

Question1: On Sheet ED1.01 Demolition Note 10 states that the Control Contractor is to demolish pump monitoring/controls, please verify this is in regard to the existing Fire Pump.

1. I did not see any notes regarding re-establishing a connection to the new fire pump, although on the cover sheet Scope item 1 calls for the removal and replacement of the fire pump along with the associated controllers; please confirm that controls is not responsible for re-establishing any monitoring/control for the new fire pump.

Answer 1:

Demolition note 10 on ED1.01 refers to the domestic booster pumps, not the fire pump. The DDC controls are to connect to the new booster pump package via a BACNet interface per the mechanical drawings. The DDC controls do not need to connect to the fire pump controller.

Question 2: Per the electrical drawings there is an automatic transfer switch. Per NFPA 20 this switch is required to be listed for use with the fire pump controller and required to be dedicated to the fire pump. Will the ATS shown on the drawings and specification section 263623 meet these requirements.

Answer 2: TPU has approved the power supply and ATS configuration to remain similar to existing conditions. Please provide as designed.

Question 3: After reaching out to ASCO to quote the ATS, they informed me that they are unable to quote the switch due to a possible flaw in the design, as it is upstream of a fire pump controller.

Answer 3: TPU has approved the power supply and ATS configuration to remain similar to existing conditions. Please provide as designed.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the proposal page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8139 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW20-0061F Addendum No. 2. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Stephen Kruger, Facilities Management

HYDRO PNEUMATIC EXPANSION TANK SCHEDULE									
UNIT NO	MFR.	MODEL	TANK VOLUME (GAL)	DESIGN PRESSURE (PSI)	MAX PRESSURE (PSI)	TANK CONFIGURATION	DRY WEIGHT (LBS)	WET WEIGHT (LBS)	REMARKS
PT-1	AMTROL	FXA-300	79	35	125	VERTICAL	475	2300	①②③④⑤

NOTES FOR WATER HEATER SCHEDULE

- ① ASME TANK CONSTRUCTION.
- ② INSTALL DRAIN VALVE BETWEEN SHUT-OFF VALVE AND TANK FOR CHECKING AND ADJUSTING TANK AIR CHARGE.
- ③ PROVIDE BALL-TYPE ISOLATION VALVE WITH LOCKABLE HANDLE, VALVE TO BE LOCKED OPEN FOR OPERATION.
- ④ ADJUST TANK PRE-CHARGE TO EQUAL THE INCOMING WATER PRESSURE SETPOINT.
- ⑤ PROVIDE WITH ACCESSORY PACKAGE INCLUDING PRESSURE TRANSDUCER FOR COMMUNICATION TO BP-1 CONTROLS.

DOMESTIC WATER BOOSTER PUMP SCHEDULE															
UNIT NO	MFR.	MODEL	PUMP							ELECTRICAL			STARTER FURN. BY	DISCONNECT FURN. BY	REMARKS
			MFR.	MODEL	QTY.	GPM	HEAT (FT)	RPM	HP	FLA	VOLTS	Ø			
BP-1	FLOWTHERM	FMV-3.1	GOULDS	10SV9G	3	210	490	3500	7.5	57	208	3	(2)	(2)	(1)(2)(3)(4)(5)
						1									

NOTES FOR CIRCULATION PUMP SCHEDULE

- ① SYSTEM TO BE PROVIDED AS A SKID-MOUNTED PACKAGE, PREPARED FOR FIELD DISSASSEMBLY AND REASSEMBLY DUE TO CONSTRAINTS IN ACCESS TO MECHANICAL ROOM . FIELD ASSEMBLY SHALL NOT VOID UL LISTING OF THE SYSTEM.
- ② PROVIDE 3" 304 STAINLESS STEEL HEADERS AND FLANGED CONNECTIONS.
- ③ PROVIDE WITH ONE CHECK VALVE AND TWO ISOLATION VALVES PER PUMP.
- ④ PACKAGE PUMP MOTORS TO BE RATED FOR VFD APPLICATION. PROVIDE ONE VFD PER PUMP COMPLETE WITH PACKAGED CONTROL SYSTEM.
- ⑤ PROVIDE WITH BACnet OR APPROVED EQUAL COMMUNICATION PROTOCOL CAPABILITY. CONNECTION, PROGRAMMING, AND INTEGRATION TO EXISTING ENERGY MANAGEMENT CONTROL SYSTEM BY CC.

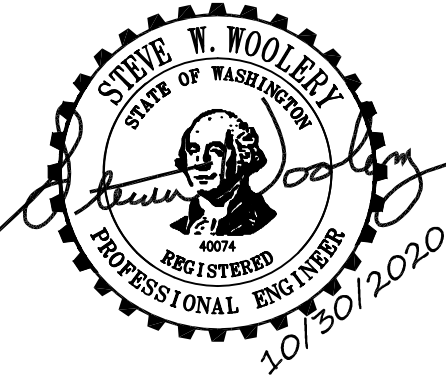
WATER HEATER SCHEDULE															
UNIT NO	MFR.	MODEL	LOCATION	TANK SIZE (GAL)	INPUT KW	EFFICIENCY	RECOVERY (GPH) @ 90° F RISE	WET WEIGHT (LB)	ELECTRICAL				STARTER FURN. BY	DISCONNECT FURN. BY	REMARKS
									MCA	MOP	VOLTS	Ø			
WH-1	RHEEM	MRG85245C	17TH FLOOR	85	4.5	0.92	21	900	-	-	240	1	MFR	EC	① ②

NOTES FOR WATER HEATER SCHEDULE

- ① SINGLE POINT POWER CONNECTION, EC TO PROVIDE DISCONNECT.
- ② SET TEMPERATURE AT 140° F.

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TACOMA MUNICIPAL BLDG
FIRE PUMP, DOMESTIC
PUMP AND ATS

747 MARKET STREET
TACOMA, WA 98402

MECHANICAL EQUIPMENT
SCHEDULES

REVISIONS		
NO.	DESCRIPTION	DATE
△	ADDENDUM 1	10/30/20

DRAWN BY: FM

CHECKED BY: JH

PROJECT MANAGER: SW

DRAWING No. 3 of TOTAL 13

P0.02

DATE: 03/20/2020
SUBMITTAL: IFC
PROJECT No. 218-245