

**COUNTY OF WESTCHESTER  
NEW YORK**

**DEPARTMENT OF PUBLIC WORKS  
AND TRANSPORTATION**

**ADDENDUM NO. 3**

**CONTRACT NO. 22-522**

**Domestic Water System Improvements  
Westchester County Airport  
Town of Harrison, North Castle and Village of Rye Brook, New York**

The attention of the bidders is directed to the following changes, additions, and/or substitutions affecting the above referenced contract.

**I. RE: GENERAL CONTRACT INFORMATION:**

**Item 1:** Bidder Questions and Responses  
Attached hereto.

**II. RE: THE PLANS**

**Item 2:** Drawing C-16 shall be deleted and the revised drawing C-16 is attached hereto.

ALL PROVISIONS OF THE CONTRACT NOT AFFECTED BY THE FOREGOING SHALL REMAIN IN FULL FORCE AND EFFECT.

COUNTY OF WESTCHESTER  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

By: Hugh J. Greechan, Jr., P.E.  
Commissioner

Dated: Thursday January 5, 2023  
WHITE PLAINS, NEW YORK

**COUNTY OF WESTCHESTER  
NEW YORK**

**DEPARTMENT OF PUBLIC WORKS  
AND TRANSPORTATION**

**ADDENDUM NO. 3**

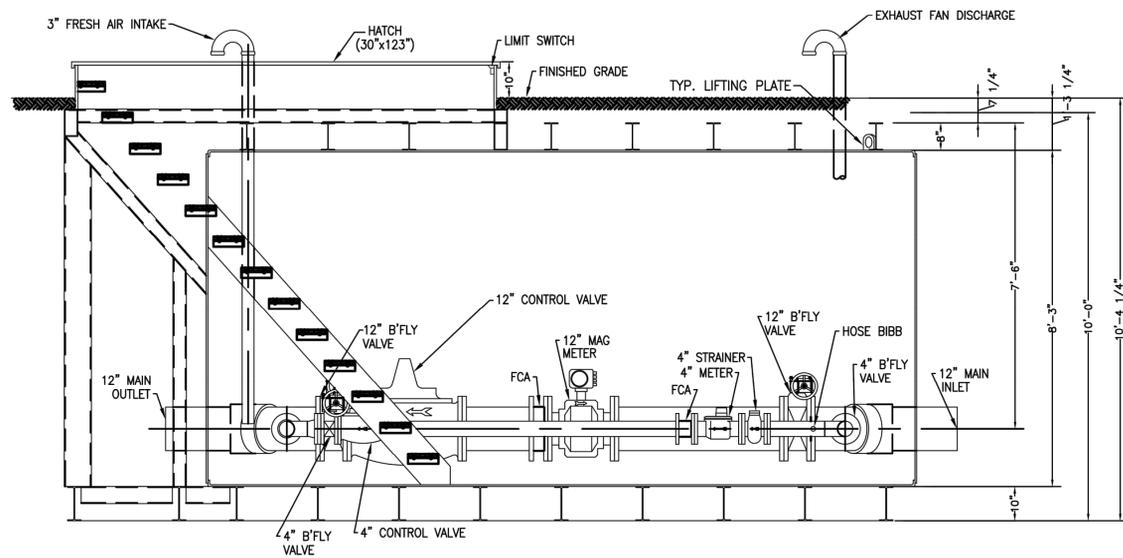
**CONTRACT NO. 22-522**

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Westchester County Airport  
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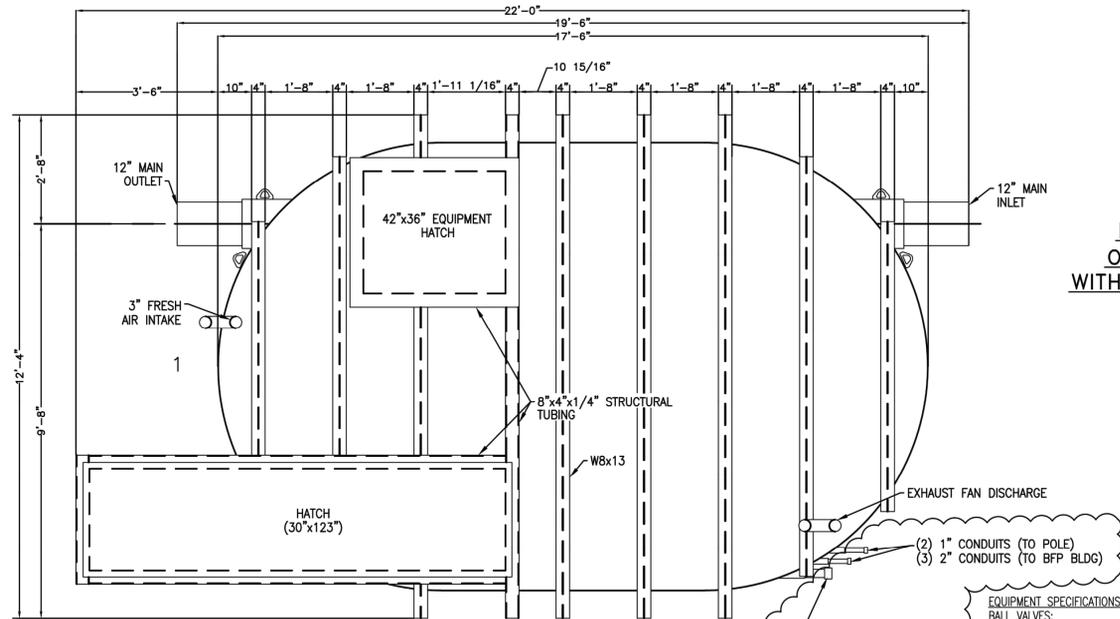
The attention of all bidders is directed to the following responses to questions with regards to the above referenced Contract. These responses are presented for information purposes only and are not intended to modify the Contract. All provisions of the Contract remain in full force and effect. Where modification is required, the bidder's attention is directed to the addenda.

<b>QUESTION NUMBER</b>	<b>QUESTION</b>	<b>RESPONSE</b>
1	Bid Items D, E, F, G, H, I, J, K, L, M, N, Line 3 States that the item of work includes backfilling.... However, the bid documents also include Bid Items T, U, V, X & Z which are the "backfill" materials for the aforementioned bid items. The notes for the water main trench detail on plan sheet C-18 specify which material is to be placed. If the "backfill" material is to be included in the Pipe line Item; what is the need for the Line items T, U, V, X, & Z?	<p>The bid price for items D, E, F, G, I, J, K, L, M, and N, shall not include the cost to furnish and place backfill materials.</p> <p>Where in-situ soil is used as backfill, no additional cost will be paid for backfilling.</p>
2	Bid Items EE & FF – Where are we to be paid for the backfill?	The price bid for Bid Items EE and FF shall include the cost for all work related to these two items including but not limited to backfill materials.
3	Bid Item Y includes the cost for excavation; however, all other bid items include the cost for excavation. Where does the excavation get paid?	Bid item Y will not include the cost for excavation. Excavation will be included in the other items bid.
4	Bid Item D, E, F, G, H, K, N, CC, DD, EE, FF – States Excavation to be included, Where the disposal will be paid? if Bid Item Y also states Excavation to be included?	Disposal of surplus soil resulting from the work associated with items D, E, F, G, I, J, K, L, M, N will be paid for under Bid Item Y. Disposal of surplus soil associated with Bid Items CC, DD, EE and FF, shall be included in each respective Bid Item.

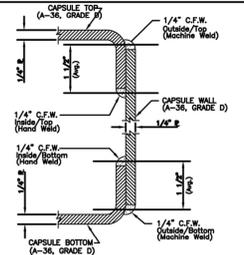
5	Based on the attached specs, would you be able to confirm whether the MJ pipe fittings are to be C110 full body fittings?	Mechanical joint pipe fittings shall be compact fittings that meet the requirements of AWWA C153.
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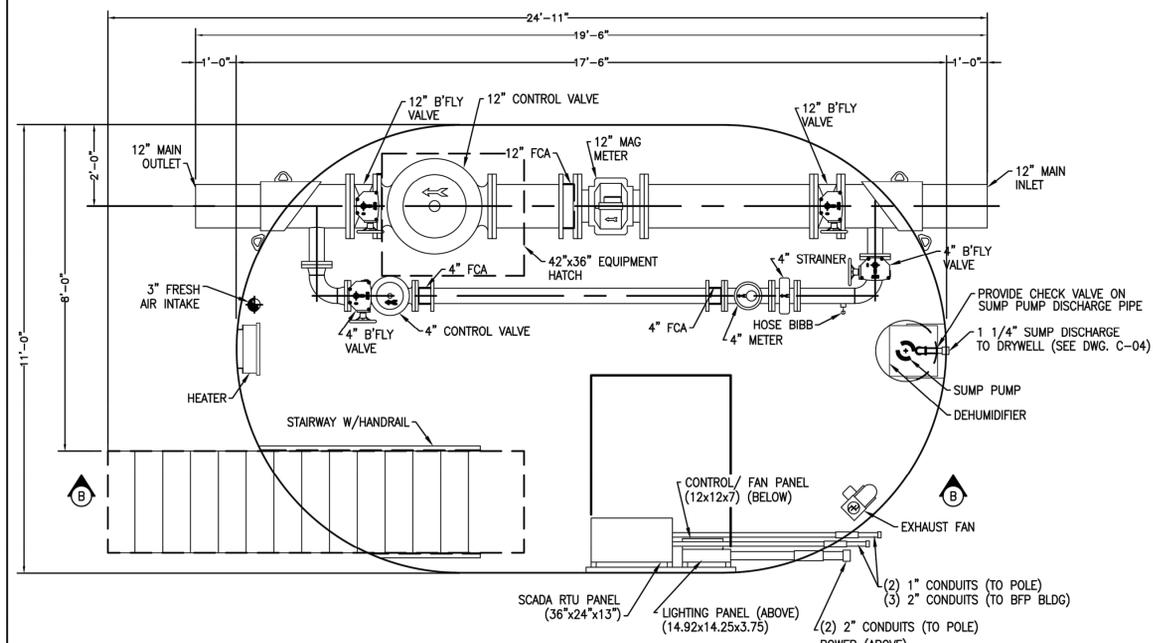
SECTION B-B



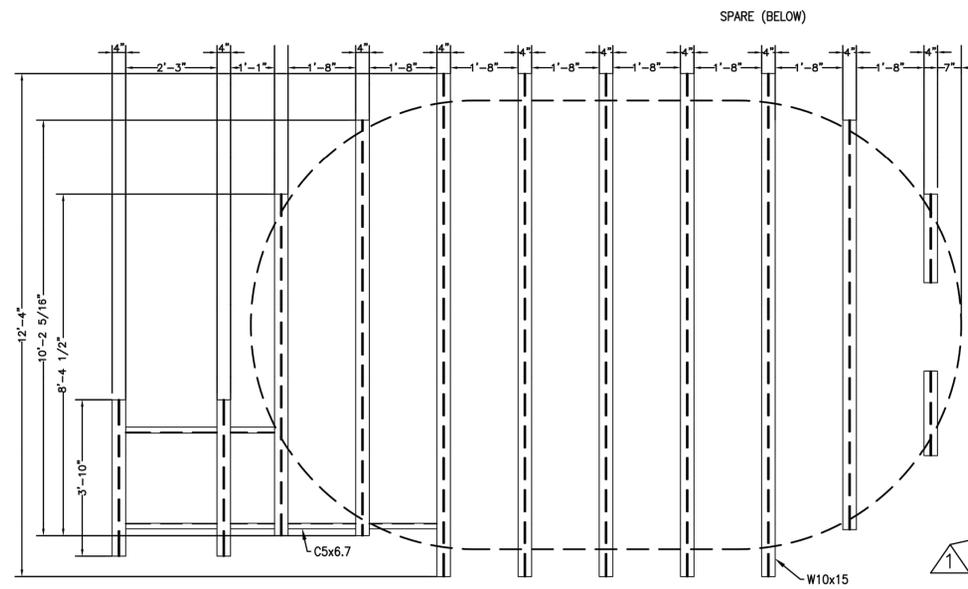
EXTERIOR PLAN



LAP JOINT CONNECTION OF CAPSULE WALL PLATE WITH FLANGE TOP AND BOTTOM



INTERIOR PLAN



SKID PLAN

**EQUIPMENT SPECIFICATIONS:**  
**BALL VALVES:**  
 THE BALL VALVES WILL BE 2-PIECE, FULL-PORT DESIGN WITH BLOW-OUT PROOF STEM. THE SEATS, PACKING AND SEAL SHALL BE PTFE. BALL VALVES SHALL BE PROVIDED WITH AN ADJUSTABLE STEM PACKING NUT. THE BODY AND RETAINER SHALL BE LEAD FREE BRASS (LFB). THE BALL SHALL BE LEAD FREE BRASS (LFB), CHROME PLATED FOR SIZES 1/2"-1" AND 316SS FOR SIZES 1-1/4"-4". THE HANDLE SHALL HAVE A DISTINCTIVE WHITE "LEAD FREE" HANDLE GRIP AND BLUE "LEAD FREE" HANGING TAG. THE VALVES WILL BE NPTXNPT THREADED PATTERN. MAXIMUM WORKING PRESSURE SHALL BE 600 PSI UP TO 2" AND 400 PSI FOR SIZES 2-1/2" TO 4".

**BUTTERFLY VALVES:**  
 THE BUTTERFLY VALVES SHALL BE PROVIDED IN ACCORDANCE WITH AWWA STANDARD AWWA C504, LATEST REVISION, AS CLASS 150B, 150 PSI WORKING PRESSURE. THE FLANGED BODY SHALL BE ASTM A125 CAST IRON FOR (150) PSI WORKING PRESSURE. THE FLANGED VALVES SHALL BE FULL FACED AND DRILLED IN ACCORDANCE WITH ANSI STANDARD B16.1, CLASS 125. THE VALVE DISK SHALL BE CLASS B CAST IRON OR DUCTILE IRON FOR 150B VALVES. VALVE SEALS SHALL BE EITHER SEAT-ON-BODY OR SEAT-ON-DISK. VALVE SHAFTS SHALL BE THROUGH SHAFTS AND BE OF THE STAINLESS STEEL. THE VALVE BODY SHALL BE COATED INTERNALLY WITH TWO-PART EPOXY CONFORMING TO NSF61. VALVES SHALL BE BY PRATT, CRISPIN, OR DEZURIK. ALL BUTTERFLY VALVES SHALL USE HANDWHEEL OPERATORS.

**MANUAL VALVE ACTUATORS:**  
 MANUALLY OPERATED BUTTERFLY VALVES SIZE 6" AND SMALLER SHALL BE EQUIPPED WITH LEVER STYLE OPERATORS CAPABLE OF WITHSTANDING 450 FT. LBS. OF INPUT TORQUE AND MOUNTED TO THE VALVE TRUNNION WITH 4 BOLTS. MANUALLY OPERATED BUTTERFLY VALVES SIZE 8" AND LARGER SHALL BE EQUIPPED WITH TRAVELLING NUT STYLE HANDWHEEL OPERATORS CAPABLE OF WITHSTANDING 450 FT. LBS. OF INPUT TORQUE AND MOUNTED TO THE VALVE TRUNNION WITH 4 BOLTS. ALL BUTTERFLY VALVES SHALL USE HANDWHEEL OPERATORS.

**HYDRAULIC ACTUATED CONTROL VALVES:**  
 4" Cla-Vol No. 131G-01KXHFHC, 150F, DSKC, VC-22, X1170, PT1/PT2  
 12" Cla-Vol No. 631G-01KXHFHC, 150F, DSKC, VC-22, X1170, PT1/PT2

**MAGNETIC FLOWMETER:**  
 THE 12" MAGNETIC FLOWMETER SHALL BE SENSUS HYDROVERSE MAG METER WITH INTEGRATED REGISTER & AC POWER, SENSUS & PULSE OUTPUT, 16' AMR/PULSE CABLE, READING IN 100 CF, TO COMPLY WITH WESTCHESTER JOINT WATER WORKS OPERATING STANDARDS WITH 510M WIRED SMARTPOINT RADIO TRANSMITTER, SCADAMETRICS UNIVERSAL DUPLEXER, MODEL UDA, NSF 61 APPROVED. THE MAGNETIC FLOWMETER SHALL CONSIST OF A FLOW TUBE, SIGNAL CABLE AND REMOTE MOUNTED TRANSMITTER TO MEASURE FLOW RATE AND TRANSMIT A PROPORTIONAL ELECTRIC SIGNAL TO THE TELEMETRY SYSTEM. THE FLOW TUBE SHALL BE SIZE TWELVE (12) INCH WITH ANSI B16.5 CLASS 15, FULLY RATED CARBON STEEL FLANGED END CONNECTIONS AND AN ELASTOMER LINING MATERIAL SUITABLE FOR POTABLE WATER SERVICE. THE FLOWMETER SHALL BE PROVIDED WITH 316 STAINLESS STEEL ELECTRODES AND A GENERAL PURPOSE SENSOR. TWO (2) GROUND RINGS SHALL BE INSTALLED ON BOTH ENDS OF THE METER. THE FLOWMETER SHALL INCLUDE A STANDARD 3-POINT PRESSURE TEST. THE FLOWMETER WILL BE PROVIDED WITH A REMOTE MOUNTED TRANSMITTER INCLUDING 11V TO 40V DC POWER SUPPLY, 3-LINE DISPLAY WITH KEYPAD, AND GENERAL PURPOSE ENCLOSURE. FLOWMETER SHALL INCLUDE DISPLAY THAT PROVIDES INSTANTANEOUS AND TOTALIZER READINGS. THE MAGNETIC FLOWMETER SHALL BE NSF-61, APPROVED.

**TURBINE FLOW METER WITH STRAINER:**  
 THE CONTROL VALVE STATION SHALL INCLUDE ONE (1) 4" SENSUS OMN+ C2 READING IN 100 CF (WITH STRAINER), TO COMPLY WITH WESTCHESTER JOINT WATER WORKS OPERATING STANDARDS WITH 510M WIRED SMARTPOINT RADIO TRANSMITTER, SCADAMETRICS UNIVERSAL DUPLEXER, MODEL UDA, NSF 61 APPROVED, TURBINE TYPE METER WITH PROGRAMMABLE REGISTERS LOCATED AS SHOWN ON THE DRAWINGS. THE SIZE SHALL BE 4" WITH FLANGE MOUNTED STRAINERS DIRECTLY UPSTREAM OF THE FLOW METER BODIES. THE METER/STRAINER ASSEMBLY SHALL BE A SENSUS TURBINE METER AS MANUFACTURED BY XYLEM.

**ALARMS, CONDITION AND OUTPUTS:**  
 THE FOLLOWING ALARMS/STATUS POINTS SHALL BE INCLUDED WITHIN THE BOOSTER PUMP STATION AND WIRED BACK TO THE INTERFACE PANEL. ALL ALARM CONDITIONS WILL BE TRANSMITTED TO THE WJWW VIA THE STATION'S SCADA SYSTEM.  
 1. WATER WITHIN STATION - THE WATER ALARM SHALL BE A 120 VOLT AC CIRCUIT DRIVEN BY A FLOAT SWITCH WALL-MOUNTED WITHIN THE EQUIPMENT CAPSULE. THE FLOAT SWITCH SHALL BE OF THE MAGNETIC FLOAT TYPE WITH THE FLOAT MOVING UP AND DOWN A GUIDE TUBE. ONE HALF (1/2) INCH OF FLOAT MOVEMENT SHALL ACTUATE THE SPST REED TYPE SWITCH INSIDE THE GUIDE TUBE. THE SWITCH SHALL BE SO MOUNTED THAT WHEN WATER REACHES A POINT ONE (1) INCH ABOVE THE SUMP FLOAT SWITCH WILL ACTIVATE THE ALARM.  
 2. UNAUTHORIZED ENTRY ALARMS ON HATCHES AND DOORS - THE UNAUTHORIZED ENTRY ALARM SHALL BE DRIVEN BY A HATCH-MOUNTED LIMIT SWITCH. THE LIMIT SWITCH SHALL BE THE ADJUSTABLE ARM, ROLLER CONTACTOR TYPE WHICH MAKES AN INTERNAL SPST MICRO SWITCH. THE SWITCH WILL BE SO MOUNTED AS TO ACTIVE ANYTIME THE ENTRANCE MAN WAY HATCH IS OPENED.  
 3. HIGH DISCHARGE PRESSURE ALARM - THE HIGH DISCHARGE PRESSURE ALARM SHALL BE PROVIDED BY THE HIGH DISCHARGE LOCKOUT PRESSURE SWITCH AS DESCRIBED ELSEWHERE.  
 4. FIRE/SMOKE ALARM - THE FIRE/SMOKE ALARM SHALL BE PROVIDED BY A FIRE/SMOKE DETECTOR IN THE STATION AS AN INPUT TO THE LOGIC.  
 5. HIGH STATION TEMPERATURE ALARM - THE STATION HIGH TEMPERATURE ALARM SHALL BE PROVIDED BY A THERMOSTAT IN THE STATION.  
 6. LOW TEMPERATURE ALARM - THE STATION LOW TEMPERATURE ALARM SHALL BE PROVIDED BY A THERMOSTAT IN THE STATION.

- NOTES:**  
 1. REFER TO STRUCTURAL DRAWINGS FOR CONCRETE SUPPORT PAD PLAN AND DETAILS.  
 2. VAULT SHALL BE MANUFACTURED BY ENGINEERED FLUID, INC. (EFI), CENTRALIA, ILLINOIS.

<p>WHITE PLAINS, NEW YORK 10604 (914) 467-5300</p>	CONSULTANT SEAL	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.					RECORD DRAWING CERTIFICATION <input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES		<b>WESTCHESTER COUNTY, NEW YORK</b> <b>DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION</b> DIVISION OF ENGINEERING		CONTRACT NUMBER 22-522	SHEET NUMBER C-16
	IN CHARGE OF <b>WDM</b>	CHECKED BY <b>ALG</b>	MADE BY <b>JG</b>	1	1/5/23	JG	ALG	REVISED PER ADDENDUM 3	CONTRACTOR	PROJECT COORDINATOR	SHEET NO. 20 OF 61 SCALE: AS SHOWN DATE: 12/09/2022 DPW FILE NO. 48-17-C-145	

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