



**HUBBELL, ROTH & CLARK, INC**  
Consulting Engineers

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**ADDENDUM NO. 1 TO  
SPECIFICATIONS AND PLANS  
FOR THE CITY OF WIXOM  
WASTEWATER TREATMENT PLANT  
PRELIMINARY TREATMENT SYSTEM IMPROVEMENTS**

**ISSUED:** August 17, 2010

HRC Job No. 20090463

This Addendum is issued prior to receipt of bids to provide for certain changes and clarifications to the specifications and/or the plans, as herein specified, and is hereby made a part of the Contract Documents and shall be taken into consideration in preparing the Proposal. All other conditions remain the same.

The Bidder shall acknowledge the receipt of this Addendum on Page 00300/2 of the Proposal.

Notes for the pre-bid meeting held on August 10, 2010 are included with this addendum for Reference.

**ITEMS INCLUDED**

**CONTRACT SPECIFICATIONS**

**SECTION 00300 – Proposal (Pages 00300/3 and 00300/4 Issued)**

1. Delete Pages 00300/3 and 00300/4 issued with the bidding documents and substitute therefore the revised pages issued with this Addendum.

**SECTION 01590 – Field Offices and Sheds (Not Issued)**

1. On Page 01590/2, delete paragraph 2.4 in its entirety.

**SECTION 01950 – Sequence of Construction and Special Project Requirements (Not Issued)**

1. Delete the second sentence of paragraph 3.02 B and substitute therefore the following:

“During a shutdown period, the Contractor shall provide temporary pumping from the existing pumping station wet well to the three existing emergency storage tanks located on the east side of the plant entrance road and adjacent to the pump station. (Refer to Drawing C-1 for the location of Treatment Tanks No. 1 through No. 3 to be used for emergency storage.) The Contractors temporary pumping system shall discharge to one of the storage tanks or the Contractor can connect the

temporary pump discharge to the existing emergency pump discharge connection located at the fence immediately east of the influent manhole. The three storage tanks are interconnected with 18” diameter tank to tank overflow connections.”

2. On Page 01950/5, delete the second sentence of paragraph 3.03 B and substitute therefore the following:

“The Contractor shall also modify the existing grit tank effluent weir wall for connection to the new grit tank effluent trough (Section No. 3, Drawing P-1) and install a temporary bulkhead in the new wall opening.”

3. On Page 01950/6, delete paragraph 3.03 E in its entirety and substitute therefore the following:

“E. After the new grit removal system is ready for start-up and testing the Contractor shall redirect raw sewage flow to temporary discharge location No. 2, remove the temporary bar screen and install an existing stop plate to replace the screen. The Contractor shall then remove the temporary bulkhead for the grit tank effluent trough. After the temporary bulkhead is removed, the Contractor shall remove the effluent channel isolation plate, open valve W-103 and close valve W-102 to direct raw sewage flow to the influent screen and grit removal systems. The temporary raw sewage piping between the discharge chamber and the grit tank effluent channel shall be removed after the new grit system has been accepted by the City.”

#### **SECTION 07531 – Single Ply Roofing-Fully Adhered-Conventional (Not Issued)**

1. On Page 07531/5, paragraph 2.5 C, revise the insulation thickness in the first sentence from “2.0” minimum” to “1.0” minimum”.

#### **SECTION 11282 – Gates and Stop Plates (Not Issued)**

1. On Page 11282/2, paragraph 2.1 E, first sentence, add “Orbinox Model MU” as an acceptable manufacturer.
2. On Page 11282/2, paragraph 2.3 C, add “Orbinox” as an acceptable manufacturer.

#### **SECTION 11332 – Screenings Washer/Compactor (Not Issued)**

1. On Page 11332/4, delete paragraph 2.4 E and substitute therefore the following:

“E. A 14 gauge, type 304 stainless steel discharge pipe shall be fitted to the washer/compactor unit to convey compacted screenings to a vertical discharge chute as indicated on the Drawings. The screenings chute shall be of 14 gauge, type 304 stainless steel construction with suitable brackets for support of the chute from the concrete floor slab.”

### **SECTION 11357 – Compressed Air Dryer (Not Issued)**

1. On Page 11357/3, delete the first item under paragraph 2.3 G and substitute therefore the following:

“1. Main On-Off Switch.”

### **SECTION 11471 – Air Compressors (Not Issued)**

1. On Page 11471/2, delete paragraph 2.1 E and substitute therefore the following:

“E. Each air compressor shall be as manufactured by Atlas Copco Model GA5-AP or Sullair Model ES-6 7.5H with direct drive in lieu of belt drive, no substitutions.”

### **SECTION 15060 – Pipe and Pipe Fittings (Not Issued)**

1. On page 15060/6, delete the “Screenings Chute” from the piping schedule.

### **SECTION 15500 – Heating and Ventilation (Not Issued)**

1. On Page 15500/12, paragraph 2.14 C.2, change Dampers D-1, D-2 and D-3 to Dampers D-A, D-B, and D-C, respectively, to coordinate with Drawing M-1.

2. Add the following after paragraph 2.14 C.2.d:

“e. The temperature controls Contractor shall furnish and install a damper control panel for each air compressor. The panel shall be of NEMA 12 construction, rack mounted and suitable for 120 volt power supply. Include a power supply disconnect switch in each panel. All necessary relays, controllers, temperature probes, etc. and field wiring/conduit (except for the 120 volt power supply to be furnished by the electrical contractor) shall be furnished and installed by the temperature controls contractor.”

## **CONTRACT DRAWINGS**

### **DRAWING C-1 (Not Issued)**

1. Revise the label for the soil boring located northwest of the Aerobic Digesters from “SB-7” to SB-2”.

### **DRAWING M-1 (Not Issued)**

1. In the Damper Schedule, change the size of Damper D-C to 36” x 36”.

### **DRAWING E-4 (Not Issued)**

1. Revise the Treatment Building Partial Plan El. 921’-6” as indicated on Sketch SK-E4 issued with this addendum.

**DRAWING E-8 (Not Issued)**

1. Revise the Fan EF-4 Wiring Diagram as indicated on Sketch SK-E8 issued with this addendum.
2. Change the wire fill for MCC Circuit 3-11 to 3-#12+GRD.+4-#14 in the Revised Motor Control Center “MCC-3” Partial Schedule.
3. Change the wire fill for MCC Circuit 5-15 to 3-#12+GRD.+2-#14 in the Revised Motor Control Center “MCC-5” Partial Schedule.
4. Change the wire fill for MCC Circuit 6-17 to 3-#12+GRD+4-#14 in the Revised Motor Control Center “MCC-6” Partial Schedule.



**LIQUIDATED DAMAGES**

Time is of the essence for completion of this project in order to have the Project ready for its intended use. The Contractor guarantees that he/she can and will complete the work within the time limit stated hereinbefore or within the time as extended as provided elsewhere in the Specifications. Inasmuch as the damage and loss to the Owner which will result from the failure of the Contractor to complete the work within the stipulated time, will be most difficult or impossible to accurately determine, it is mutually agreed that the damages to the Owner for such delay and failure on the part of the Contractor shall be liquidated in the amount of Five Hundred Dollars (\$500.00), for each and every calendar day by which the Contractor shall fail to complete the work or any part thereof within the provisions hereof, and such liquidated damages shall not be considered as a penalty.

The Owner will deduct and retain out of any money due or to become due hereunder the amount of the liquidated damages, and in case those amounts are less than the amount of actual liquidated damages, the Contractor shall pay the difference upon demand of the Owner.

We understand that liquidated damages may be assessed should we fail to meet the stipulated completion dates. Specifically, liquidated damages will be assessed daily beginning ~~October 1, 2014~~ on the substantial completion date until such a time that Substantial Completion is achieved and further if all work is not completed by the Final Completion Date.

**BIDS TO REMAIN FIRM**

The price stated in this Proposal shall be guaranteed for a period of not less than 90 days from the bid due date and if authorized to proceed within that period, the bidder agrees to complete the work covered by the Proposal at said price.

If this Proposal is accepted by the Owner and the undersigned shall fail to contract as aforesaid and to furnish the required surety bonds within fifteen (15) days after being notified of the acceptance of his/her/ her bid, then the undersigned shall be considered to have abandoned the contract, and the Certified Check, Cashier's Check or Bid Bond accompanying this Proposal shall be forfeited to the City of Wixom.

If the undersigned enters into the contract in accordance with his/her proposal, or if his/her proposal is not accepted, then the accompanying bid guarantee shall be returned to the undersigned.

Company Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: \_\_\_\_\_

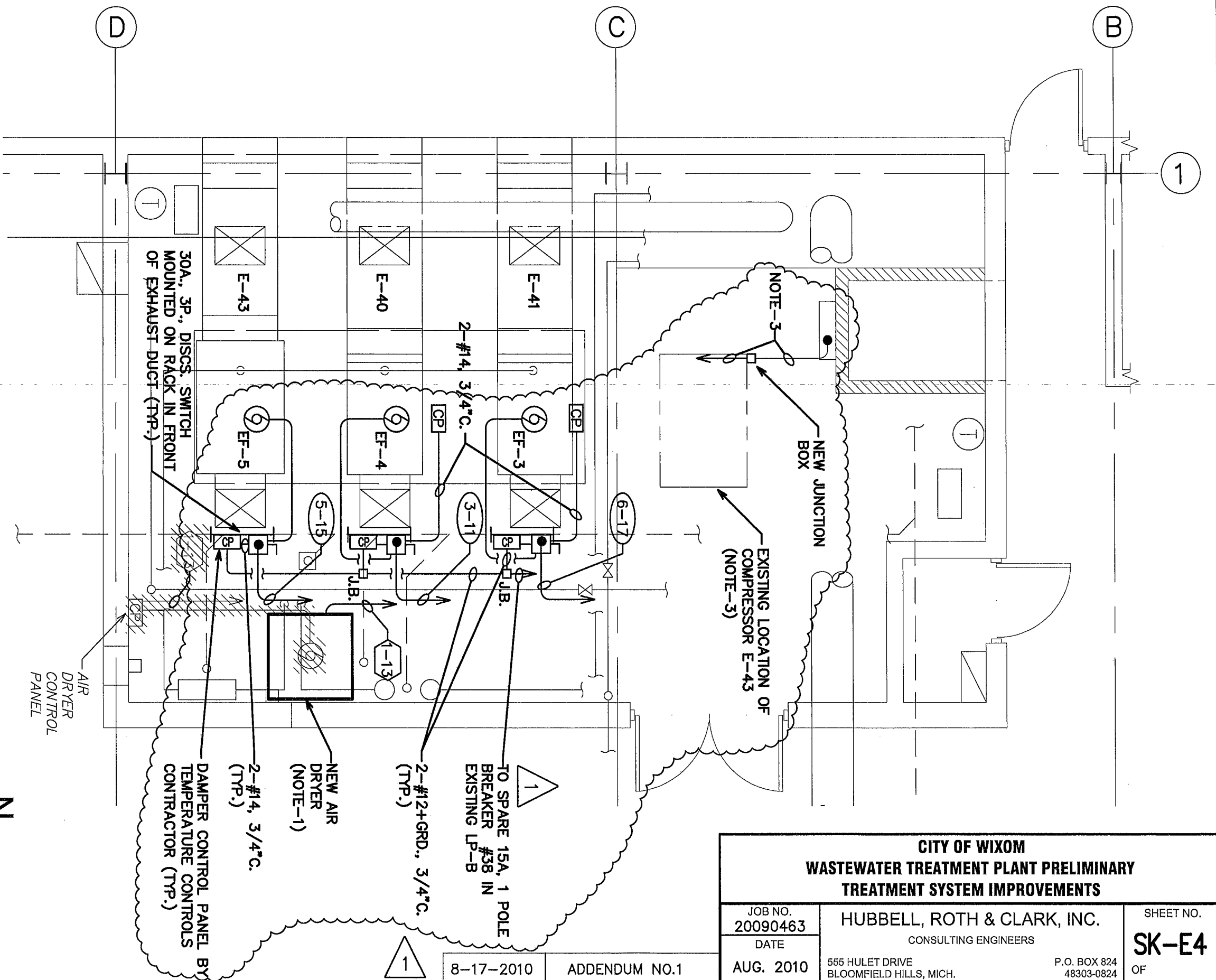
Address: \_\_\_\_\_

County: \_\_\_\_\_ State: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

Email Address: \_\_\_\_\_

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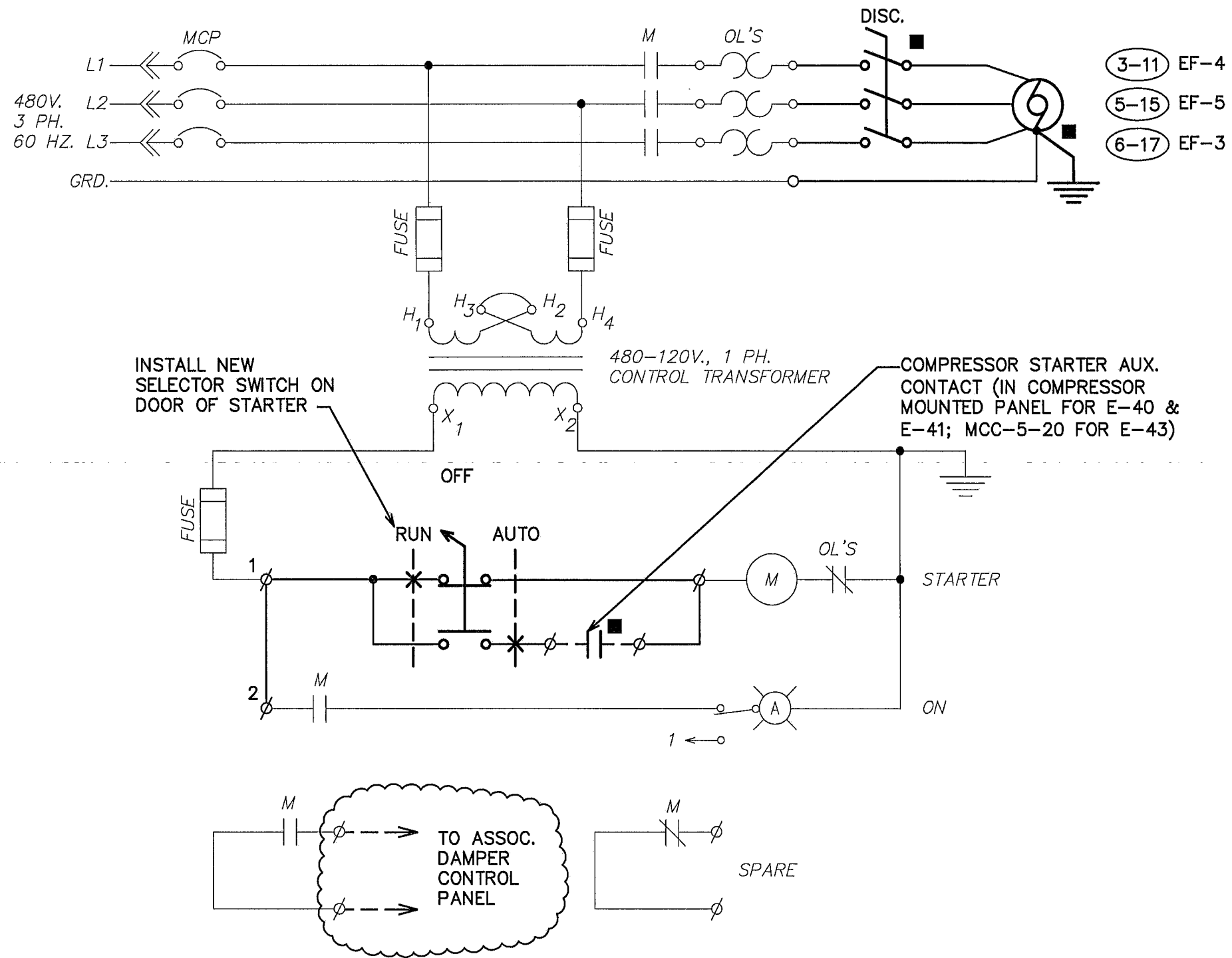
**TREATMENT BLDG. PARTIAL PLAN EL. 921'-6"**

SCALE: 1/4" = 1'-0"

**NOTES:**

1. REMOVE EXISTING AIR DRYER AND ASSOCIATED, WALL-MOUNTED CONTROL PANEL, CONDUIT, AND WIRING. CONNECT NEW AIR DRYER TO EXISTING CIRCUIT, DP-1-13; EXISTING CONDUIT AND WIRING MAY BE REUSED, WHERE PRACTICAL.
2. MOUNT SINGLE RECEPTACLE ON SUPPORT RACK LEG FOR THE COMPRESSOR AUTO-DRAIN. CONNECT BOTH RECEPTACLES TO SPARE 20A, 1 POLE CIRCUIT BREAKER #33 IN EXISTING LP-B.
3. COMPRESSOR E-43 TO BE RELOCATED TO THE SOUTH END OF THE ROOM AS INDICATED. DISCONNECT AND EXTEND THE EXISTING CONDUIT & WIRE (1 1/4" C., 3-#4+1-#6 GRD., +6-#14) TO THE NEW LOCATION, AS REQUIRED.

<b>CITY OF WIXOM WASTEWATER TREATMENT PLANT PRELIMINARY TREATMENT SYSTEM IMPROVEMENTS</b>		
JOB NO. 20090463	HUBBELL, ROTH & CLARK, INC. CONSULTING ENGINEERS	SHEET NO. <b>SK-E4</b>
DATE AUG. 2010	555 HULET DRIVE BLOOMFIELD HILLS, MICH.	P.O. BOX 824 48303-0824
8-17-2010	ADDENDUM NO.1	OF



## COMPRESSOR E-40 VENT. FAN EF-4 WIRING DIAGRAM

NO SCALE  
(COMPRESSOR E-41 VENT. FAN EF-3 &  
COMPRESSOR E-43 VENT. FAN EF-5 SIMILAR)

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8-17-2010

ADDENDUM NO.1

CITY OF WIXOM WASTEWATER TREATMENT PLANT PRELIMINARY TREATMENT SYSTEM IMPROVEMENTS		
JOB NO. 20090463	HUBBELL, ROTH & CLARK, INC. CONSULTING ENGINEERS	SHEET NO. <b>SK-E8</b>
DATE AUG. 2010	555 HULET DRIVE BLOOMFIELD HILLS, MICH.	P.O. BOX 824 48303-0824 OF