

ADDENDUM NO. 1

CITY OF BELEN WASTEWATER TREATMENT PLANT BLOWER ADDITION RFP NO. 2013-2

TO: All Offerors

RE: City of Belen Wastewater Treatment Blower Addition

The following Addendum shall be incorporated into the Contract Documents for the referenced project.

A. DRAWINGS

1. Sheet W01-301:
 - a. Keyed Note No. 19 and 20: U-Tube manometer has been deleted; An Owner-supplied digital manometer replaces this equipment and will be installed under this Contract. All other references in the Drawings to the U-Tube manometer are also deleted.
 - b. Keyed Note No. 4: Provide EBBA EZ-FLANGE (OEA equal) at 10" LR base ell (at inlet filter).
2. Sheet W01-401 - Blower Installation by Contractor:
 - a. Note 1.1 - Requirements for coordination during shipment and unloading of blower have been met under a separate contract and are no longer included under this contract. All other requirements for blower installation remain unchanged.
 - b. Coordination with blower supplier for startup activities is included in this contract. Contractor to contact blower supplier prior to startup with sufficient lead time as required by manufacturer for scheduling its representative for on-site start-up assistance, installation check, equipment run test and training. Manufacturer requires three weeks prior notification. Contractor and electrical subcontractor to be on site with manufacturer's representative for start-up and training.
3. Sheet E-101 and Sheet E-201; A revised Sheets E-101 and E-201 are attached herein, replacing the original sheets.
4. Sheet E-101; Keyed Notes 5 and 6: All exposed conduit to be IMC minimum.
5. Sheet E-101; Keyed Note No. 23: Provide gray epoxy polyamide coating to match existing floor coating for new concrete maintenance pad at new stand-alone starter (Sheet E-101; Keyed Note No. 23).

B. SPECIFICATIONS

1. Bid Form

- a. ARTICLE 5 - BASIS OF BID - BID SCHEDULE - An amended Bid Schedule is attached herein replacing the original. This amended Bid Schedule is to be attached to Bid Form for submittal with Contractor's Proposal.

2. Agreement Between Owner and Contractor for Construction Contract

- a. Article 4 - CONTRACT TIMES; Paragraph 4.02; Times for Substantial Completion and Final Payment to be changed to the following:

Substantial Completion: 90 calendar days
Final Completion: 120 calendars days

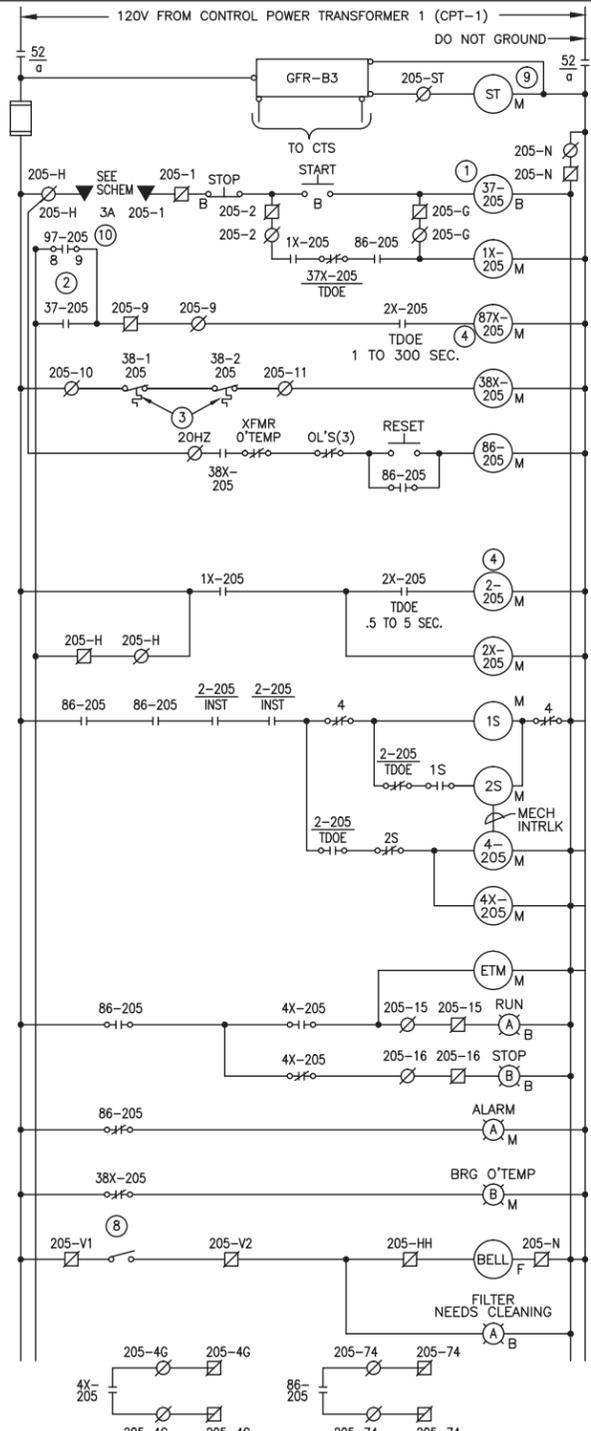
- C. All other provisions of the Contract Documents shall remain unchanged. This addendum is hereby made a part of the Contract Documents to the same extent as those contained in the original documents and all itemized listings thereof.
- D. Each Bidder shall acknowledge receipt of this Addendum on the Bid Proposal form in the space provided.

TRUMM ENGINEERING

Joe Trumm, P.E.



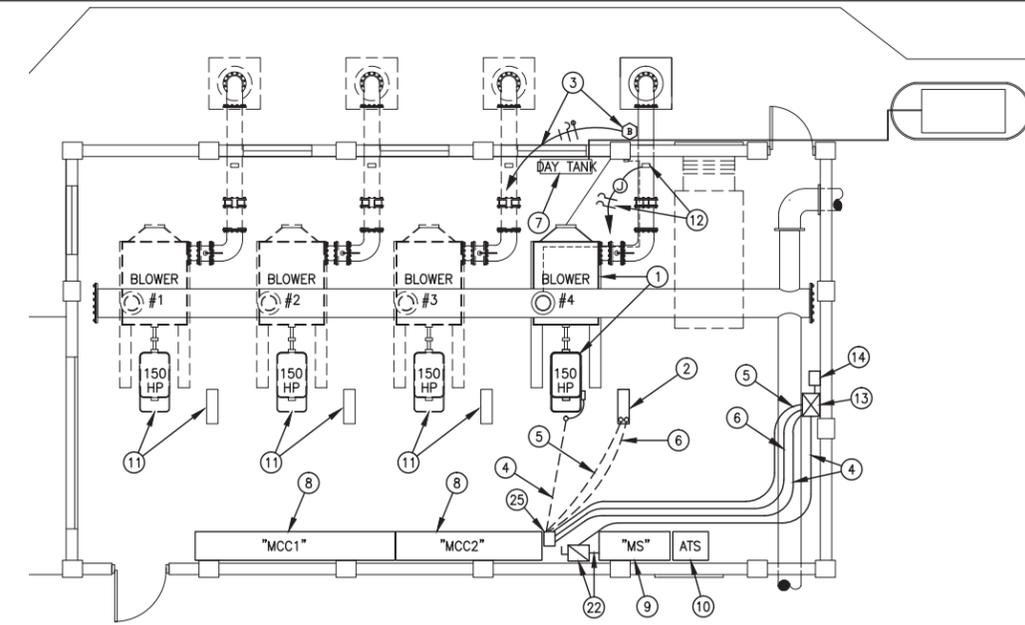
1-8-13



BLOWER NO. 4 (MOTOR 205) SCHEMATIC
SCALE: NONE

KEYED NOTES (BLOWER NO. 4 SCHEMATIC)

- METER RELAY SUPPLIED BY BLOWER MFR. SHALL BE CALIBRATED IN AMPS AND STANDARD CUBIC FEET PER MINUTE OF AIR FLOW. CONNECTIONS SHOWN HERE ARE FOR 120V CONTROL POWER TO METER ELECTRONICS.
- CONTACT OF METER RELAY. CONTACT SHALL CLOSE FOR "LOW SURGE" AND OPEN FOR NORMAL MOTOR LOADING & ON POWER LOSS CONTACT SHALL BE SET IN THE FIELD BY FACTORY REP. OF AERATION SYSTEM SUPPLIER.
- BEARING TEMP. SENSORS, PART OF BLOWER BEARINGS, ARE SUPPLIED BY BLOWER MANUFACTURER. CONTACT SHALL OPEN ON EXCESSIVE BEARING TEMP.
- TIME DELAY SHALL BE AS RECOMMENDED BY AERATION SYSTEM SUPPLIER.
- DELETED.
- DELETED.
- DELETED.
- VACUUM OPERATED SWITCH ON INLET PIPE.
- SHUNT TRIP ON MOTOR CIRCUIT BREAKER OR MCP.
- CONTACT SHALL CLOSE FOR A "MOTOR UNDERLOAD" CONDITION.
- CONTACT SHALL OPEN FOR A "MOTOR OVERLOAD" CONDITION.
- TIME DELAY RANGE SHALL COVER 1 TO 2 COMPLETE CYCLES OF OPERATION RANGE.

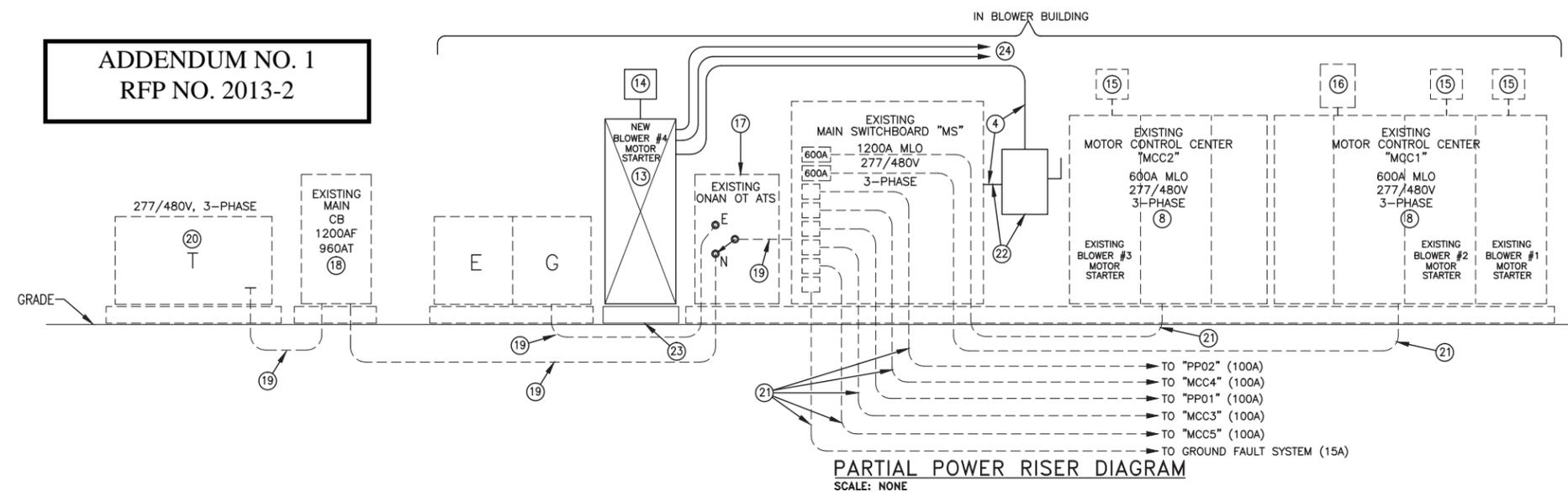


POWER PLAN
SCALE: 3/16"=1'-0"

"MCC2" MOTOR CONTROL CENTER SCHEDULE																		
DESIGNATION: "MCC2" (EXISTING)		MODEL: SQUARE D MODEL 4		ENCLOSURE: NEMA 1		600A MAIN BUSS		300A VERTICAL BUSS		MCC AIC: 22,000								
LOCATION: BLOWER BUILDING		DEVICE FAMILY: BOLT-ON		MOUNTING: SURFACE		VOLTAGE: 277/480V, 3-PHASE, 4-WIRE		OVERCURRENT DEVICES AIC: 18,000										
UNIT NO.	MOTOR REF. NO.	UNIT NAMEPLATE		HP	FLA	STARTER	CB/MCP/SW	AUX. MS CONTACTS	CONTROL IN FIELD									
		FIRST LINE	SECOND LINE			SIZE TYPE	FRAME TRIP	STOP PB	START PB	HOA	RED	GREEN	AMBER	ETM	N.O.	N.C.		
1A	201	BLOWER NO. 3	STARTER	150	180	5 RVNR	BLUE PILOT 400A MCP 2000	-	-	-	-	-	-	1	1	2	1	BEARING O'TEMP. BLOWER CONTROL PNL
2AL		PANEL BOARD LP01	TRANSFORMER FEEDER				60A SW 60 2P											
2AR		PANEL BOARD LP02	TRANSFORMER FEEDER				60A SW 60 2P											
2C		PANEL BOARD LP02	TRANSFORMER FEEDER				60A SW 60 2P											
2D			NO ENGRAVING															
3A	202	SPRAY PUMP	STARTER	7.5	1		7A MCP 43	-	-	-	1	1	1	-	2	1		OFF-ON
3B	203	CLARIFIER NO. 2	STARTER	0.5	1		3A MCP 16	-	-	-	1	1	1	-	2	1		OFF-ON, O'TORQ CONTACTS WITH TEST & RESET PB
3C	204	CHLORINATION	BOOSTER PUMP 2 STARTER	5	1		OFF-REMOTE 7A MCP 43	-	-	-	1	1	1	-	2	1		OFF-ON
3D			NO ENGRAVING															
3E			INCOMING LINE															
*4A	205	BLOWER NO. 4	STARTER	150	180	5 RVNR	BLUE PILOT 400A MCP 2000											BEARING O'TEMP. BLOWER CONTROL PNL

NOTES:
 1.) EXISTING MOTOR CONTROL CENTER. NEW EQUIPMENT DENOTED BY BOLD TEXT.
 2.) IF POSSIBLE TO LOCATE VINTAGE SQ D GEAR: USE MCC2 EXPANSION PROVISIONS TO INSTALL MODEL 4 SECTION TO MCC2 TO ALLOW INSTALLATION OF BLOWER #4 STARTER.
 3.) IF STAND-ALONE MOTOR STARTER IS USED FOR BLOWER #4 MOTOR, STARTER SHALL HAVE SAME FUNCTIONALITY AS UNIT 4A NOTED ABOVE.

ADDENDUM NO. 1
RFP NO. 2013-2



PARTIAL POWER RISER DIAGRAM
SCALE: NONE

GENERAL NOTES

- ALL WIRING SHALL BE COPPER, #12 AWG MINIMUM.
- THE SCOPE OF WORK FOR THIS PROJECT INCLUDES THE INSTALLATION OF AN ADDITIONAL BLOWER SYSTEM (BLOWER #4) IN THE EXISTING BLOWER BUILDING. BLOWER #4 HAS A 150 HP, 480V, 3-PHASE BLOWER MOTOR. EXISTING CONDUIT STUB-OUTS WERE PROVIDED AS PART OF THE ORIGINAL CONSTRUCTION IN ANTICIPATION OF THE FUTURE INSTALLATION OF THIS BLOWER #4 SYSTEM. CONTRACTOR SHALL INSTALL BLOWER MOTOR #4 IN SIMILAR FASHION TO EXISTING BLOWER MOTORS. PROVIDE A NEW, STAND-ALONE MOTOR STARTER IN BLOWER BUILDING AS INDICATED, FIELD VERIFY EXACT LOCATION. "MCC2" WAS ORIGINALLY DESIGNED TO ACCEPT A MOTOR CONTROL CENTER EXPANSION SECTION, (MODEL 4 TYPE, WHICH IS NO LONGER MANUFACTURED) TO FEED BLOWER MOTOR #4. PROVIDE ALL POWER, CONTROL AND GROUND FAULT SYSTEM CONNECTIONS REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM. CONNECT NEW MOTOR STARTER TO SWITCHBOARD "MS" AS INDICATED, FIELD COORDINATE EXACT CONDUIT ROUTING. (THE CONTRACTOR IS GIVEN THE OPTION TO LOCATE AND INSTALL A VINTAGE SQ D MODEL 4 EXPANSION UNIT WITH APPROPRIATE STARTER PER ORIGINAL DESIGN). COORDINATE POWER OUTAGE REQUIRED TO PROVIDE POWER TAP TO MAIN SWITCHBOARD "MS" 5 DAYS IN ADVANCE WITH OWNER.
- EXISTING AS-BUILT RECORD ELECTRICAL DRAWINGS WILL BE MADE AVAILABLE TO THE CONTRACTOR TO ASSIST IN ENSURING THE INSTALLATION OF BLOWER #4 MATCHES THE QUALITY AND FUNCTION OF EXISTING BLOWERS #1, #2 AND #3.
- THE ORIGINAL GRAPHIC PANEL SYSTEM AT THIS FACILITY IS NON-FUNCTIONAL AND WILL NOT BE REPAIRED OR CONNECTED TO AS PART OF THIS WORK. ANY CONTROLS EQUIPMENT INSTALLED IN EXISTING BLOWERS #1, #2 AND #3 STARTER CUBICLES REQUIRED FOR THE DEFUNCT GRAPHIC SYSTEM ONLY SHALL BE OMITTED IN THE NEW STARTER CUBICLE FOR NEW BLOWER #4.
- THE EXISTING DIESEL FUEL TANK SHALL BE RELOCATED TO LOCATION SHOWN ON THIS DRAWING, EXTEND AND RECONNECT ALL CONTROLS WIRING AT REQUIRED FOR COMPLETELY OPERATIONAL SYSTEMS AS BEFORE.
- ELECTRICAL INFORMATION (SCHEMATICS, ETC.) FROM THE FACTORY WILL BE REQUIRED TO ENSURE PROPER WIRE SIZES FOR THE BLOWER AND RELATED EQUIPMENT.

KEYED NOTES

- NEW BLOWER #4, WITH 150 HP, 180 FLA, 480V, 3-PHASE MOTOR.
- NEW BLOWER CONTROL PANEL 4 FOR BLOWER #4. FABRICATE CONTROL PANEL TO MATCH EXISTING IN FUNCTION AND DISPLAY.
- NEW BELL FOR BLOWER #4 FILTER. EXTEND CONTROL WIRING TO CONTROL PANEL 4.
- 3 #4/0 THW AND 1 #2 E.G.R. IN 2.5" CONDUIT. CONNECT TO NEW 150 HP MOTOR AND STAND-ALONE NEMA SIZE 5 RVNR MOTOR STARTER AS INDICATED.
- 2 #12 THW IN 1/2" CONDUIT. CONNECT TO MOTOR STARTER CONTROLS AS REQUIRED, REFER TO BLOWER NO. 4 (MOTOR 205) SCHEMATIC.
- 12 #12 THW IN 1" CONDUIT. CONNECT TO MOTOR STARTER CONTROLS AS REQUIRED, REFER TO BLOWER NO. 4 (MOTOR 205) SCHEMATIC.
- RELOCATED DAY TANK EQUIPMENT. EXTEND AND REUSE EXISTING CONDUIT AND WIRING, RECONNECT AS REQUIRED FOR COMPLETE OPERATION AS BEFORE.
- EXISTING SQUARE D MODEL 4 MOTOR CONTROL CENTER TO REMAIN.
- EXISTING SQUARE D POWER-STYLE MAIN SWITCHBOARD TO REMAIN.
- EXISTING AUTOMATIC TRANSFER SWITCH TO REMAIN.
- EXISTING BLOWER MOTOR AND ASSOCIATED CONTROL PANEL TO REMAIN.
- VACUUM SENSOR TO DETECT VACUUM IN PIPE BETWEEN BLOWER INLET BVF AND ITS FILTER. EXTEND CONTROL WIRING TO CONTROL PANEL #4.
- PROVIDE NEW STAND-ALONE MOTOR STARTER FOR NEW 150 HP BLOWER #4 MOTOR. MOTOR STARTER SHALL BE NEMA SIZE 5 RVNR WITH AUTOTRANSFORMER GE MODEL #CR331GM411 OR APPROVED EQUAL, COMPLETE WITH HEATERS AND ALL CONTROLS, GROUND FAULT SENSING SYSTEM, 1-PHASE PROTECTION, AND ACCESSORIES REQUIRED TO MATCH THE EXISTING STARTER UNIT FUNCTIONS FOR EXISTING BLOWERS #1, #2 AND #3. REFER TO "MCC2" MOTOR CONTROL CENTER SCHEDULE. (NOTE: CONTRACTOR HAS OPTION TO INSTALL VINTAGE SQUARE D MODEL 4 MCC EXPANSION UNIT WITH COMPARABLE MOTOR STARTER, IF ONE CAN BE FOUND, AS MODEL 4 UNITS ARE NO LONGER MANUFACTURED AND MODEL 5 UNITS ARE TOO WIDE TO FIT IN AVAILABLE SPACE).
- PROVIDE NEW 30 KVAR, 480V, 3-PHASE CAPACITOR BANK AND CONNECT TO NEW MOTOR STARTER AS REQUIRED, MATCH EXISTING CAPACITOR BANK CONNECTIONS FOR BLOWER STARTERS #1, #2 AND #3.
- EXISTING 30 KVAR CAPACITOR BANK TO REMAIN.
- EXISTING AUTOMATIC TRANSFER SWITCH (ATS) TO REMAIN.
- EXISTING PLANT MAIN CIRCUIT BREAKER TO REMAIN. VERIFY TRIP SETTING IS ADEQUATE TO ACCOMMODATE ADDITIONAL LOAD OF 180A.
- EXISTING 1140A SERVICE FEEDER TO REMAIN (PARALLEL (3) 3.5" CONDUITS EACH WITH 4 #500KCMIL AND 1 #3/0 E.G.R.).
- EXISTING PNM-OWNED SERVICE TRANSFORMER WITH 277/480V SECONDARY TO REMAIN.
- EXISTING FEEDER TO REMAIN.
- 400A, 480V, 3P+GB, FUSIBLE, HD, NEMA 1 DISCONNECT SWITCH. EXTEND 225A FEEDER TO SWITCHBOARD "MS" AND CONNECT TO MAIN BUSS, PROVIDE LUGS AS REQUIRED. ENSURE REQUIREMENTS OF 10-FOOT TAP RULE (NEC 240.21(B)(1)) ARE MET. FUSE SWITCH WITH 225A BUSS FR5-R FUSES.
- PROVIDE 6" THICK CONCRETE MAINTENANCE PAD.
- EXTEND POWER AND CONTROLS TO BLOWER MOTOR #4, INTERCEPT AND EXTEND EXISTING CONDUIT STUB-OUTS AS SHOWN ON POWER PLAN.
- INTERCEPT AND EXTEND EXISTING POWER AND CONTROL CONDUITS STUBBED-OUT AT THIS LOCATION (2.5", 1/2", AND 1" CONDUITS), PROVIDE PULL-BOXES AS REQUIRED.

TE
 TRUMM ENGINEERING
 MBI, Inc.
 416 BRYN MAWR DR. SE
 ALBUQUERQUE, NM 87106
 505.247.0089

JCE
 INTERNATIONAL INC.
 512 CHAMA ST. NE, ALBUQUERQUE, NM 87109
 PH: (505) 255-0328 FAX: (505) 255-0329

NORMAN D. ESTANISLAO
 NEW MEXICO
 LICENSED PROFESSIONAL ENGINEER
 01/09/13

REVNO	DATE	DESCRIPTION
1	11/29/2012	ADDENDUM #1
2	01/03/2013	RE-BID

PROJECT NUMBER: 1226
 DESIGNED BY: HDN/RVM
 DRAWN BY: MEF/GAJ
 CHECKED BY: JCE
 PROJ. ENG.: NORMAN D. ESTANISLAO
 DATE: DECEMBER 20, 2012

BLOWER ADDITION POWER PLAN

WASTEWATER TREATMENT PLANT - BLOWER ADDITION

CITY OF BELEN

GRANT COUNTY, NEW MEXICO

NOTE: UPON EXTENDED PAYMENT PROVISION, THIS CONTRACTOR SHALL BE ALLOWED TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

ELECTRICAL SPECIFICATIONS

- B. FOR DRY LOCATIONS PROVIDE GALVANIZED STEEL OUTLET BOXES THAT COMPLY WITH UL STANDARD 514-A - METALLIC OUTLET BOXES AND ANSI/NEMA DS1 - SHEET-STEEL OUTLET BOXES, DEVICE BOXES, COVERS, AND BOX SUPPORTS.
C. FOR DAMP OR WET LOCATIONS AND FOR SURFACE-MOUNTED RMC OR IMC RACEWAY SYSTEMS, PROVIDE OUTLET BOXES THAT COMPLY WITH UL STANDARD 488 AND ANSI 514.

2.7 PULL AND JUNCTION BOXES

- A. FOR DRY LOCATIONS IN CLEAN, NON-CONTAMINATION ENVIRONMENTS USE GALVANIZED SHEET STEEL PULL AND JUNCTION BOXES THAT COMPLY WITH UL STANDARD 50 TYPE I AND THE NEC AS TO SIZE AND CONSTRUCTION, USE BOXES NOT LESS THAN 4 INCHES SQUARE X 1-1/2 INCHES DEEP WITH SCREW-SECURED COVERS, PROVIDE LARGER BOXES AS REQUIRED BY THE NUMBER AND SIZE OF CONDUITS AND CONDUCTORS.
B. FOR DAMP OR WET, NON-CORROSIVE LOCATIONS, IN CONDUIT RUNS 1 INCH TRADE SIZE AND LARGER, PROVIDE GALVANIZED SHEET-STEEL PULL AND JUNCTION BOXES AND COVERS THAT COMPLY WITH UL 50 TYPE 3R.

PART 3 - EXECUTION

3.1 EXISTING WORK

- A. REMOVE ALL EXPOSED ABANDONED RACEWAYS, INCLUDING ABANDONED RACEWAYS ABOVE ACCESSIBLE CEILING FINISHES, TO THE POINT THAT NON-REMOVABLE BUILDING CONSTRUCTION (E.G. CONCRETE OR MASONRY) COVERS THE RACEWAY. CUT RACEWAYS FLUSH WITH NON-REMOVABLE BUILDING CONSTRUCTION.
B. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES, REMOVE ABANDONED OUTLETS WHEN RACEWAY IS ABANDONED AND REMOVED. INSTALL BLANK COVER FOR ABANDONED OUTLETS NOT REMOVED.

3.2 EXAMINATION

- A. EXAMINE SURFACES TO RECEIVE RACEWAYS AND BOXES FOR COMPLIANCE WITH INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE RACEWAY SYSTEM. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.3 GENERAL

- A. INSTALL COMPLETE SYSTEMS OF RACEWAYS AND BOXES FOR WIRING SYSTEMS.
B. INSTALL RACEWAYS AND BOXES ACCORDING TO NECA I STANDARD PRACTICES FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.
C. RACEWAY TERMINATION POINTS AND BOX LOCATIONS SHOWN ON THE DRAWINGS ARE IN APPROXIMATE LOCATIONS UNLESS DIMENSIONED. VERIFY LOCATIONS BEFORE ROUGH IN. RACEWAY ROUTING IS SHOWN ON THE DRAWINGS IN APPROXIMATE LOCATIONS UNLESS DIMENSIONED. COORDINATE ROUTING WITH STRUCTURE AND WITH WORK OF OTHER TRADES, ROUTE AS REQUIRED FOR A COMPLETE WIRING SYSTEM.
E. GROUND AND BOND RACEWAYS AND BOXES AS REQUIRED IN SECTION 26 0526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS.
F. SUPPORT RACEWAYS AND BOXES IN ACCORDANCE WITH THE NEC.
G. ARRANGE RACEWAY AND BOXES TO MAINTAIN HEADROOM AND PRESENT NEAT APPEARANCE.

3.4 CONDUIT INSTALLATION

- A. FOR LOW-VOLTAGE WIRING SYSTEMS (LESS THAN 1000 VOLTS) USE CONDUIT MATERIALS ACCORDING TO THE NEC.
B. USE 3/4-INCH OR LARGER CONDUIT TO ENCLOSE MULTIPLE CONDUCTORS LARGER THAN 1/2 AWG.
C. CONCEAL CONDUITS, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, WITH FINISHED WALLS, FLOORS AND CEILINGS.
D. INSTALL INSULATING BUSHINGS OR CONNECTORS WITH AN INSULATED THROAT TO PROTECT CONDUCTORS OR CABLES AT CONDUIT TERMINATIONS.
E. JOIN NONMETALLIC CONDUIT USING CEMENT AS RECOMMENDED BY MANUFACTURER.
F. INSTALL PLASTIC-COATED RMC AND FITTINGS ACCORDING TO THE NEC AND MANUFACTURER'S INSTRUCTIONS. USE ONLY FITTINGS APPROVED FOR USE WITH THAT MATERIAL. PATCH ALL NICKS AND SCRAPES IN PVC COATING AFTER INSTALLING CONDUITS.
G. DO NOT USE RMC 90 DEGREE ELBOWS LARGER THAN 3 INCH TRADE SIZE; USE PLASTIC-COATED RMC, TAPE-WRAPPED RMC, OR TAPE-WRAPPED IMC FOR 3-1/2 INCH TRADE SIZE AND LARGER 90 DEGREE ELBOWS.
H. MAINTAIN THE FOLLOWING MINIMUM CLEARANCES BETWEEN CONDUIT AND SURFACES WITH TEMPERATURES EXCEEDING 104 DEGREES F (40 DEGREES C):
1. 6" AT PERPENDICULAR CROSSINGS.
2. 12" BETWEEN PARALLEL RUNS.

3.5 OUTLET BOX INSTALLATION

- A. INSTALL OUTLET BOXES WITH CENTERS AT THE FOLLOWING HEIGHTS UNLESS NOTED OTHERWISE ON THE DRAWINGS:
1. RECEPTACLES, GENERAL USE DUPLEX TYPE: 18 INCHES ABOVE FINISHED FLOOR.
2. LIGHT SWITCHES: CENTER 44 INCHES ABOVE FINISHED FLOOR AND WITHIN 6 INCHES OF DOOR FRAME.
3. THERMOSTATS: CENTER 44 INCHES ABOVE FINISHED FLOOR.
4. FIRE ALARM AUDIBLE/VISIBLE ALARM DEVICES: CENTER OF STROBE LIGHT 80 INCHES ABOVE FINISHED FLOOR OR 6 INCHES BELOW THE CEILING, WHICHEVER IS LOWER.
5. FIRE ALARM PULL STATIONS: CENTER 44 INCHES ABOVE FINISHED FLOOR.
B. INSTALL A MULTI-GANG BOX WHERE MORE THAN ONE DEVICE IS MOUNTED TOGETHER. DO NOT USE SECTIONAL TYPE BOXES.
C. INSTALL BOX WITH PLASTER RING FOR SINGLE OR MULTIPLE DEVICE OUTLETS.
D. USE FLUSH MOUNTED OUTLET BOXES IN FINISHED AREAS.
E. SUPPORT BOXES INDEPENDENTLY OF CONDUIT.
F. INSTALL A BLANK COVER PLATE ON EACH OUTLET BOX IN WHICH NO DEVICE IS INSTALLED.

3.6 CLEANING

- A. CLEAN INTERIOR OF BOXES TO REMOVE DUST, DEBRIS, AND OTHER MATERIAL.
B. REPAIR DAMAGE TO GALVANIZED FINISHES WITH ZINC-RICH PAINT RECOMMENDED BY MANUFACTURER.
C. REPAIR DAMAGE TO PAINT FINISHES WITH MATCHING TOUCH-UP COATING RECOMMENDED BY THE MANUFACTURER.

END OF SECTION 26 0533

ADDENDUM NO. 1
RFP NO. 2013-2

ELECTRICAL SPECIFICATIONS

- H. PROVIDE AUXILIARY ELECTRICAL INTERLOCK SWITCHES WITH SAFETY SWITCHES AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE APPLICATION.
I. MANUFACTURER: SQUARE D "CLASS 310".

2.2 FUSES

- A. PROVIDE NRTL-LISTED, NEMA FU I CLASS R FUSES FOR FUSIBLE SAFETY SWITCHES AS INDICATED ON THE DRAWINGS, REQUIRED BY THE NEC, OR REQUIRED BY THE MANUFACTURER OF SERVED EQUIPMENT.

2.3 ENCLOSED CIRCUIT BREAKERS

- A. PROVIDE NRTL-LISTED, NEMA AB I ENCLOSED MOLDED-CASE CIRCUIT BREAKERS WITH RATINGS AND NUMBER OF POLES AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE NEC.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. EXAMINE SURFACES TO RECEIVE SAFETY SWITCHES AND ENCLOSED CIRCUIT BREAKERS FOR COMPLIANCE WITH INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE PRODUCT. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.2 INSTALLATION

- A. INSTALL SAFETY SWITCHES AND ENCLOSED CIRCUIT BREAKERS WHERE INDICATED ON THE DRAWINGS AND ACCORDING TO MANUFACTURER'S INSTRUCTIONS, NECA I, AND THE NEC. HAVE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AVAILABLE AT THE CONSTRUCTION SITE.
B. INSTALL EACH SAFETY SWITCH AND ENCLOSED CIRCUIT BREAKER SO THE INTERLOCK BYPASS WILL BE ACCESSIBLE.
C. PROVIDE SUPPORTS AND SEISMIC ANCHORAGE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
D. GROUND AND BOND SAFETY SWITCHES AND ENCLOSED CIRCUIT BREAKERS AS REQUIRED BY NEC.
E. INSTALL CONDUITS AS REQUIRED IN SECTION 26 0533 RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS.
F. INSTALL CONDUCTORS AS REQUIRED IN SECTION 26 0519, LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES.

- 1. USE COMPRESSION TYPE LUGS TO CONNECT ALL SERVICE, FEEDER, AND BRANCH CIRCUIT CABLES TO ENCLOSED CIRCUIT BREAKERS RATED GREATER THAN 100 AMPERES.
2. TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS TO THE MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES. WHERE MANUFACTURER'S TORQUE VALUES ARE NOT INDICATED, USE THOSE SPECIFIED IN UL 486A.

- G. INSTALL FUSES IN FUSIBLE SAFETY SWITCHES AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO MATCH INSTALLED MOTOR OR LOAD CHARACTERISTICS.

3.3 IDENTIFICATION

- A. IDENTIFY SAFETY SWITCHES AND ENCLOSED CIRCUIT BREAKERS WITH UNIT NAME AND CIRCUIT NUMBER.

3.4 FIELD QUALITY CONTROL

- A. CLEAN INTERIOR AND EXTERIOR OF SAFETY SWITCHES AND ENCLOSED CIRCUIT BREAKERS.
B. VERIFY THAT RATINGS FOR SAFETY SWITCHES AND ENCLOSED CIRCUIT BREAKERS MATCH VALUES INDICATED ON THE DRAWINGS.

END OF SECTION 26 2816

SECTION 26 0533: RACEWAYS AND BOXES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. CONDUITS AND FITTINGS
B. OUTLET BOXES

1.2 QUALITY ASSURANCE

- A. COMPLY WITH THE 2011 NATIONAL ELECTRICAL CODE (NEC) FOR INSTALLATION.

PART 2 - PRODUCTS

2.1 COATINGS

- A. PROVIDE PRODUCTS WITH ZINC COATING OR WITH TREATMENT OF EQUIVALENT CORROSION RESISTANCE.

2.2 INTERMEDIATE METAL CONDUIT AND FITTINGS (IMC)

- A. FURNISH INTERMEDIATE METAL CONDUIT (IMC) THAT MEETS THE REQUIREMENTS OF UL1242 - INTERMEDIATE METAL CONDUIT, ANSI C80.6 - ELECTRICAL INTERMEDIATE METAL CONDUIT (IMC).
B. FURNISH ZINC-PLATED, THREADED, MALLEABLE IRON FITTINGS AND CONDUIT BODIES THAT MEET THE REQUIREMENTS OF UL514B - FITTINGS FOR CONDUIT AND OUTLET BOXES, AND ANSI/NEMA FB1 - FITTINGS, CAST METAL BOXES, AND CONDUIT BODIES FOR CONDUIT AND CABLE ASSEMBLIES.

2.3 ELECTRICAL METALLIC TUBING AND FITTINGS (EMT)

- A. FURNISH GALVANIZED ELECTRICAL METALLIC TUBING (EMT) THAT MEETS THE REQUIREMENTS OF UL797 - ELECTRICAL METALLIC TUBING, NEMA C80.3 - STEEL ELECTRICAL METALLIC TUBING (EMT).
B. FURNISH COMPRESSION OR SET-SCREW TYPE FITTINGS THAT MEET THE REQUIREMENTS OF UL514B - FITTINGS FOR CONDUIT AND OUTLET BOXES, AND ANSI/NEMA FB1 - FITTINGS, CAST METAL BOXES, AND CONDUIT BODIES FOR CONDUIT AND CABLE ASSEMBLIES. FURNISH INSULATED THROAT CONNECTORS.

2.4 FLEXIBLE METAL CONDUIT AND FITTINGS

- A. FURNISH GALVANIZED STEEL FLEXIBLE METAL CONDUIT THAT MEETS THE REQUIREMENTS OF UL1 - FLEXIBLE METAL ELECTRICAL CONDUIT.

2.5 LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND FITTINGS

- A. FURNISH LIQUID-TIGHT FLEXIBLE METAL CONDUIT THAT MEETS THE REQUIREMENTS OF UL360 - LIQUID-TIGHT FLEXIBLE STEEL CONDUIT, ELECTRICAL.

2.6 OUTLET BOXES

- A. PROVIDE OUTLET BOXES SELECTED FOR SPECIFIC INSTALLATIONS USING THE GUIDANCE IN NEMA OS 3, SELECTION AND INSTALLATION GUIDELINES FOR ELECTRICAL OUTLET BOXES, AND THE REQUIREMENTS OF THIS SECTION.

ELECTRICAL SPECIFICATIONS

PART 3 - EXECUTION

3.1 EQUIPMENT INSTALLATION REQUIREMENTS

- A. WHERE COMPONENTS AND EQUIPMENT ARE INDICATED TO BE INSTALLED, THE TERM "INSTALL" INCLUDES ALL WORK, MATERIALS, AND ASSOCIATED ACCESSORIES NECESSARY TO OBTAIN A COMPLETELY OPERATIONAL SYSTEM.
B. INSTALL ITEMS LEVEL, PLUMB, AND PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS, EXCEPT WHERE OTHERWISE INDICATED.

3.2 WIRING METHODS

- A. FEEDERS: TYPE THHN/THWN, COPPER CONDUCTOR, IN RACEWAY, EXCEPT AS OTHERWISE INDICATED.
B. BRANCH CIRCUITS: TYPE THHN/THWN, IN RACEWAY.

3.3 ELECTRICAL SUPPORTING METHODS

- A. DAMP LOCATIONS AND OUTDOORS: HOT-DIP GALVANIZED MATERIALS.
B. DRY LOCATIONS: STEEL MATERIALS.
C. STRENGTH OF SUPPORTS: ADEQUATE TO CARRY ALL PRESENT AND FUTURE LOADS, TIMES A SAFETY FACTOR OF AT LEAST 4: 200-LB-MINIMUM DESIGN LOAD.

3.4 INSTALLATION

- A. INSTALL WIRES IN RACEWAY ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND NECA'S "STANDARD OF INSTALLATION."
B. CONDUCTOR SPLICES: KEEP TO THE MINIMUM POSSIBLE.
C. INSTALL DEVICES TO SECURELY AND PERMANENTLY FASTEN AND SUPPORT ELECTRICAL COMPONENTS.
D. RACEWAY SUPPORTS: COMPLY WITH NFPA 70 AND THE FOLLOWING REQUIREMENTS:
I. CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR SELECTING AND INSTALLING SUPPORTS.
E. FIRESTOPPING: APPLY TO CABLE AND RACEWAY PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES. PERFORM FIRESTOPPING TO REESTABLISH THE ORIGINAL FIRE-RESISTANCE RATING OF THE ASSEMBLY AT THE PENETRATION. FASTENING: UNLESS OTHERWISE INDICATED, SECURELY FASTEN ELECTRICAL ITEMS AND THEIR SUPPORTING HARDWARE TO THE BUILDING STRUCTURE.
F. INSTALL IDENTIFICATION DEVICES WHERE REQUIRED.
I. INSTALL LABELS WHERE INDICATED AND AT LOCATIONS FOR BEST CONVENIENCE OF VIEWING WITHOUT INTERFERENCE WITH OPERATION AND MAINTENANCE OF EQUIPMENT.

- I. INSTALL LABELS WHERE INDICATED AND AT LOCATIONS FOR BEST CONVENIENCE OF VIEWING WITHOUT INTERFERENCE WITH OPERATION AND MAINTENANCE OF EQUIPMENT.

3.5 DEMOLITION

- A. WHERE ELECTRICAL WORK TO REMAIN IS DAMAGED OR DISTURBED IN THE COURSE OF THE WORK, REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL CAPACITY, QUALITY, AND FUNCTIONALITY.

3.6 CUTTING AND PATCHING

- A. CUT, CHANNEL, CHASE, AND DRILL FLOORS, WALLS, PARTITIONS, CEILINGS, AND OTHER SURFACES NECESSARY FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING BY SKILLED MECHANICS OF THE TRADES INVOLVED.
B. REPAIR DISTURBED SURFACES TO MATCH ADJACENT UNDISTURBED SURFACES.

3.7 TOUCH-UP PAINTING

- A. THOROUGHLY CLEAN DAMAGED AREAS AND PROVIDE PRIMER, INTERMEDIATE, AND FINISH COATS TO SUIT THE DEGREE OF DAMAGE AT EACH LOCATION.

END OF SECTION 26 0500

SECTION 26 2816: ENCLOSED SWITCHES AND CIRCUIT BREAKERS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. SAFETY SWITCHES
B. FUSES
C. ENCLOSED CIRCUIT BREAKERS

1.2 SUBMITTALS

- A. SUBMIT THE FOLLOWING:
I. PRODUCT DATA: SUBMIT MANUFACTURER'S TECHNICAL DATA FOR EACH TYPE OF SAFETY SWITCH AND ENCLOSED CIRCUIT BREAKER. PROVIDE CATALOG SHEETS SHOWING VOLTAGE, CURRENT RATINGS, SHORT CIRCUIT RATINGS, DIMENSIONS, AND ENCLOSURE DETAILS.

1.3 QUALITY ASSURANCE

- A. COMPLY WITH THE 2011 NATIONAL ELECTRICAL CODE (NEC) FOR COMPONENTS AND INSTALLATION.
B. PROVIDE SAFETY SWITCHES AND CIRCUIT BREAKERS THAT ARE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) FOR THE APPLICATION, INSTALLATION CONDITION, AND THE ENVIRONMENT IN WHICH INSTALLED.
C. COMPLY WITH THE FOLLOWING STANDARDS AS APPLICABLE:

- 1. NEMA AB 1 (UL 489) MOLDED CASE CIRCUIT BREAKERS, MOLDED CASE SWITCHES, AND CIRCUIT BREAKER ENCLOSURES.
2. UL 50 - ENCLOSURES FOR ELECTRICAL EQUIPMENT.

PART 2 - PRODUCTS

2.1 SAFETY SWITCHES

- A. PROVIDE NRTL-LISTED, NEMA KS I TYPE HD SAFETY SWITCHES WITH RATINGS AND NUMBER OF POLES AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE NEC. PROVIDE SAFETY SWITCHES FOR USE AS SERVICE EQUIPMENT THAT ARE NRTL LABELED FOR THE APPLICATION.
B. PROVIDE ENCLOSURE TYPE IN ACCORDANCE WITH NEMA KS I AS REQUIRED BY THE CONDITIONS OF INSTALLATION AND USE.
C. FOR FUSIBLE SAFETY SWITCHES PROVIDE REJECTION CLIPS DESIGNED TO ACCOMMODATE NEMA FU I, CLASS R FUSES, PROVIDE FUSE PULLERS IN 30, 60, AND 100 AMPERE FUSIBLE SAFETY SWITCHES.
D. FURNISH EACH SAFETY SWITCH WITH AN EQUIPMENT GROUND BAR.
E. FURNISH A NEUTRAL BAR FOR EACH SAFETY SWITCH USED ON A CIRCUIT THAT INCLUDES A GROUNDED "NEUTRAL" CONDUCTOR.
F. PROVIDE EACH SAFETY SWITCH WITH A FACTORY-INSTALLED COVER-MOUNTED VIEWING WINDOW POSITIONED OVER THE BLADES TO ALLOW VISUAL VERIFICATION OF ON-OFF STATUS.

ELECTRICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS INDEX

- SECTION 26 0500 BASIC ELECTRICAL MATERIALS AND METHODS
SECTION 26 2816 ENCLOSED SWITCHES AND CIRCUIT BREAKERS
SECTION 26 0533 RACEWAYS AND BOXES

SECTION 26 0500: BASIC ELECTRICAL MATERIALS AND METHODS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. THE CONTRACTOR SHALL MAKE A THOROUGH FIELD INVESTIGATION OF ALL WORK DESCRIBED AND SHOWN ON THE CONTRACT DRAWINGS PRIOR TO SUBMITTING A BID ON THIS PROJECT TO ENSURE THE BID IS COMPLETE AND COMPREHENSIVE.

1.2 SUMMARY

- A. THIS SECTION INCLUDES THE FOLLOWING ELECTRICAL MATERIALS AND METHODS:
1. BUILDING WIRE, CONNECTORS, AND SPLICES FOR BRANCH CIRCUITS AND FEEDERS.
2. SUPPORTING DEVICES FOR ELECTRICAL COMPONENTS.
3. CUTTING, PATCHING AND PAINTING FOR ELECTRICAL CONSTRUCTION.
B. FURNISH ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE ELECTRICAL SERVICE TO ALL EQUIPMENT WHICH REQUIRES ELECTRIC CONNECTIONS INSTALLED AS PART OF THIS PROJECT.

1.3 SUBMITTALS

- A. GENERAL: ELECTRICAL SUBMITTALS SHALL BE PROVIDED. THE CONTRACTOR SHALL PROVIDE SUBMITTAL INFORMATION FOR:
1. MOTOR CONTROL CENTER EXPANSION MODULE.
2. STARTERS.
3. GROUND FAULT RELAYS.
B. PRODUCT DATA FOR EACH TYPE OF PRODUCT SPECIFIED.

1.4 SCOPE OF WORK:

- A. GENERAL: THE SCOPE OF ELECTRICAL WORK INCLUDES THE ADDITION OF BLOWER SYSTEM #4 TO THE EXISTING BELEN WASTE WATER TREATMENT FACILITY. PROVIDE ALL ELECTRICAL EQUIPMENT, STAND-ALONE NEMA SIZE 5 RVNR MOTOR STARTER, POWER CONNECTIONS, AND CONTROL CONNECTIONS REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM. THE NEW BLOWER MOTOR IS A 150 HP, 180 FLA, 480V, 3-PHASE MOTOR SIMILAR TO EXISTING BLOWER MOTORS #1, #2 AND #3. THE FINAL INSTALLATION OF BLOWER SYSTEM #4 SHALL MATCH THE EXISTING BLOWER SYSTEMS IN QUALITY OF EQUIPMENT, QUALITY OF INSTALLATION, AND SYSTEM FUNCTION.
B. OUTAGE COORDINATION: NECESSARY POWER OUTAGES SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE A MINIMUM OF 5 DAYS PRIOR TO SCHEDULED OUTAGE.

1.5 QUALITY ASSURANCE

- A. COMPLY WITH THE 2011 EDITION OF NFPA 70 (NEC) FOR COMPONENTS AND INSTALLATION.

1.6 DRAWINGS

- A. ALL DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS ARE TO BE CONSIDERED AS PART OF THE WORK. ANY WORK SHOWN ON SHEETS OTHER THAN ELECTRICAL SHEETS THAT REQUIRE ELECTRICAL CONNECTIONS OR ELECTRICAL WORK SHALL BE INCLUDED IN THE BID AS NECESSARY TO OBTAIN COMPLETELY OPERATIONAL SYSTEMS. NO EXTRA COMPENSATION SHALL BE CLAIMED OR ALLOWED FOR FAILURE BY CONTRACTOR TO THOROUGHLY REVIEW ENTIRE CONTRACT DOCUMENT SET PRIOR TO BIDDING THE PROJECT.
B. AS-BUILT DRAWINGS: DURING PROJECT CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN AND ACCURATE RECORD OF THE INSTALLATION OF ALL ELECTRICAL WORK, CAREFULLY NOTING ANY DEVIATIONS FROM THE CONTRACT DRAWINGS. UPON PROJECT COMPLETION, THE CONTRACTOR SHALL TRANSFER ALL AS-BUILT INFORMATION TO A SINGLE NEAT AND LEGIBLE DRAWING SET.

PART 2 - PRODUCTS

2.1 EQUIPMENT REQUIREMENTS

- A. THE VARIOUS ELECTRICAL CONNECTIONS TO EQUIPMENT SHOWN ON THE DRAWINGS ARE BASED ON SPECIFIC EQUIPMENT MANUFACTURERS AND MODELS. ANY ADDITIONAL COSTS RESULTING FROM THE CHANGE IN EQUIPMENT FURNISHED WILL BE COMPLETELY THE RESPONSIBILITY OF THE DIVISION UNDER WHICH THE EQUIPMENT IS FURNISHED.

2.2 BUILDING WIRE

- A. DESCRIPTION: SINGLE CONDUCTOR, COPPER. SOLID CONDUCTOR FOR NO. 10 AWG AND SMALLER; STRANDED CONDUCTOR FOR LARGER THAN NO. 10 AWG.

2.3 SUPPORTING DEVICES

- A. CHANNEL AND ANGLE SUPPORT SYSTEMS, HANGERS, ANCHORS, SLEEVES, BRACKETS, FABRICATED ITEMS, AND FASTENERS ARE DESIGNED TO PROVIDE SECURE SUPPORT FROM THE BUILDING STRUCTURE FOR ELECTRICAL COMPONENTS.

- 1. MATERIAL: STEEL, EXCEPT AS OTHERWISE INDICATED, PROTECTED FROM CORROSION WITH ZINC COATING OR WITH TREATMENT OF EQUIVALENT CORROSION RESISTANCE USING APPROVED ALTERNATIVE FINISH OR INHERENT MATERIAL CHARACTERISTICS.
2. METAL ITEMS FOR USE OUTDOORS OR IN DAMP LOCATIONS: HOT-DIP GALVANIZED STEEL, EXCEPT AS OTHERWISE INDICATED.

- B. STEEL CHANNEL SUPPORTS HAVE 9/16-INCH DIAMETER HOLES AT A MAXIMUM OF 8 INCHES O.C., IN AT LEAST 1 SURFACE.

- 1. FITTINGS AND ACCESSORIES MATE AND MATCH WITH CHANNELS AND ARE FROM THE SAME MANUFACTURER.

- C. NONMETALLIC CHANNEL AND ANGLE SYSTEMS: STRUCTURAL-GRADE, FACTORY-FORMED, FIBERGLASS-RESIN CHANNELS AND ANGLES WITH 9/16-INCH DIAMETER HOLES AT A MAXIMUM OF 8 INCHES O.C., IN AT LEAST 1 SURFACE.

- 1. FITTINGS AND ACCESSORIES MATE AND MATCH WITH CHANNELS OR ANGLES AND ARE FROM THE SAME MANUFACTURER.
2. FITTING AND ACCESSORY MATERIAL: SAME AS CHANNELS AND ANGLES, EXCEPT METAL ITEMS MAY BE STAINLESS STEEL.

2.4 ELECTRICAL IDENTIFICATION

- A. CONFORM TO COLORS AND COLOR CODING PRESCRIBED BY ANSI A13.1 AND NFPA 70.

2.5 TOUCH-UP PAINT

- A. FOR EQUIPMENT: PROVIDED BY EQUIPMENT MANUFACTURER AND SELECTED TO MATCH EQUIPMENT FINISH.
B. FOR NONE-EQUIPMENT SURFACES: MATCHING TYPE AND COLOR OF UNDAMAGED, EXISTING ADJACENT FINISH.

TE TRUMM ENGINEERING MBI, Inc. 416 BRYN MAWR DR. SE ALBUQUERQUE, NM 87106 505.247.0089

JCE INTERNATIONAL INC 512 CHAMA ST. NE, ALBUQUERQUE, NM 87108 PH (505) 255-0368 FAX (505) 255-0329

NORMAN D. ESTANISLAO NEW MEXICO PROFESSIONAL ENGINEER 01/09/15

Table with columns: REV. NO, REV. DATE, DESCRIPTION, ADDENDUM #1, RE-BD. Includes project number 1226, designed by HDN/RVM, drawn by MEF/GAJ, checked by JCE, project engineer NORMAN D. ESTANISLAO, and date DECEMBER 20, 2012.

BLOWER ADDITION ELECTRICAL SPECIFICATIONS WASTEWATER TREATMENT PLANT - BLOWER ADDITION CITY OF BELEN GRANT COUNTY, NEW MEXICO

ADDENDUM NO. 1 - RFP NO. 2013-2

ARTICLE 5 - BASIS OF BID – BID SCHEDULE

Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Description	Unit	Unit Price	Quantity	Amount
1	General Requirements; Mobilization, Jobsite Overhead, Demobilization	ls		1	
2	Mechanical materials including all fittings, piping, supports, valves and miscellaneous items.	ls		1	
3	Mechanical labor	ls		1	
4	Miscellaneous concrete at filter support and electrical maintenance pad	ls		1	
5	Electrical Equipment; All switchgear, wiring, and miscellaneous items	ls		1	
6	Electrical Labor	ls		1	
7	Move and re-install diesel fuel day tank for generator in location indicated on the Drawings	ls		1	

TOTAL BASE BID AMOUNT

\$

Amounts shown are exclusive of New Mexico Gross Receipts Tax.

NOTE: All work as described in the Contract Documents is to be included in the Bid Schedule items whether specifically listed in the Bid Schedule or not. New Mexico Gross Receipts Tax will be added Contractor's invoices as required by state law.

Payments to the Contractor will not be based upon the Bid Schedule. Payments will be based on the Schedule of Values as approved by the Engineer – Section 01 21 00.