



REQUEST FOR PROPOSAL

Generator Fuel System Installation

For

Rochelle Municipal Utilities

700 West Second Avenue

Rochelle, IL 61068

By

BHMG Engineers, Inc.

March 18, 2016



Overview:

BHMG Engineers, Inc. is requesting proposals for the Rochelle Municipal Utilities, (RMU), for the installation of a diesel fuel storage and supply system for their new containerized generator system located at 1515 Caron Road, Rochelle, IL 61068.

The project includes the installation of a liquid fuel storage and distribution system to supply fuel to three containerized diesel generators. The client purchased a new fuel storage tank, to be relocated and installed at the proposed site.

General Requirements:

- The project is a prevailing wage project, and requires certified payroll to be submitted.
- The project requires contractor to be insured and provide certificates of insurance prior to starting work.

Scope of Work

- RMU will provide the following items for the project:
 - New fuel storage tank.
 - New fuel tank concrete foundation.
 - New concrete secondary containment dike.
 - Diesel fuel.
- Fuel System Contractor to provide:
 - All fuel piping as shown on drawings.
 - All restraints, supports, brackets and anchors for piping and hardware.
 - All construction permits, including Illinois Fire Marshall.

Liquid Fuel Piping Requirements

- Pipe Materials:
 - Design Pressure: 50 PSIG.
 - Design Temperature: 350 degrees F.
 - Above Grade: Schedule 80, ERW carbon steel, Grade ASTM A-53, Grade B.
 - Fittings: 3000#, socket weld, forged steel.
 - Joints: Welded, flanged, 150#, slip-on, ASME B16.5.
 - Below Grade: Schedule 80, ERW carbon steel, Grade ASTM A-53, Grade B, with fusion bond epoxy coating, with field applied liquids and patch compounds for all fittings and welds; or Schedule 80 304L Stainless Steel, Grade ASTM A-314, ERW, with 3000# socket weld fittings.
- Valves:
 - Ball Valves:
 - Manufacturers: Apollo, Morrison Brother, equivalent.



- Carbon steel, two-piece body, stainless trim, 150# flanged, full port, RTFE seats, lever type, lockable.
 - Gate Valves:
 - Manufacturers: Morrison Brother, or equivalent.
 - Ductile iron body/bonnet, 150# flanged, rising stem, lockable, handwheel, solid wedge disc, 200 psig (WOG) with expansion compensation relief.
 - Check Valves:
 - Manufacturers: Morrison Brother, or equivalent.
 - Ductile iron body, swing type Y-pattern, stainless disc, 150# flanged ends, with expansion compensation relief.
- Installation:
 - Install in accordance with manufacturer’s instruction.
 - Provide non-conducting dielectric connections wherever jointing dissimilar metals.
 - Route piping in orderly manner, plumb and parallel to building structure, maintain gradient.
 - Install unions or flanges, downstream of valves and at equipment or apparatus connections.
- Painting:
 - Contractor shall paint all above ground piping, fittings, and accessories, installed or adjusted with two coats of client selected color paint.
- Underground Corrosion Protection:
 - Contractor shall provide and install sacrificial anodes at both ends of underground pipe system and connect to pipe and provide corrosion protection.
- Testing:
 - All piping shall be pressure tested to a minimum of 30% above its working pressure for a minimum of two hours. Any piping component with a leak shall be fixed at the contractor’s expense.

RFP Schedule:

RFP Issued	March 18, 2016
RFP Questions Due	March 25, 2016
Proposals Due	March 29, 2016

Project Schedule:

- Below is the current proposed project schedule.
 - Fuel System Piping Installation: 04/11/16 to 04/22/16

Attachments:

- BHM fuel system drawings
- Photos of existing equipment available upon request.



Proposal Breakdown:

The fuel system contractor is to propose a contract amount based on the following breakdown:

Labor and Materials:	\$ 45,067.00
Tax:	\$ None
Total:	\$ 45,067.00

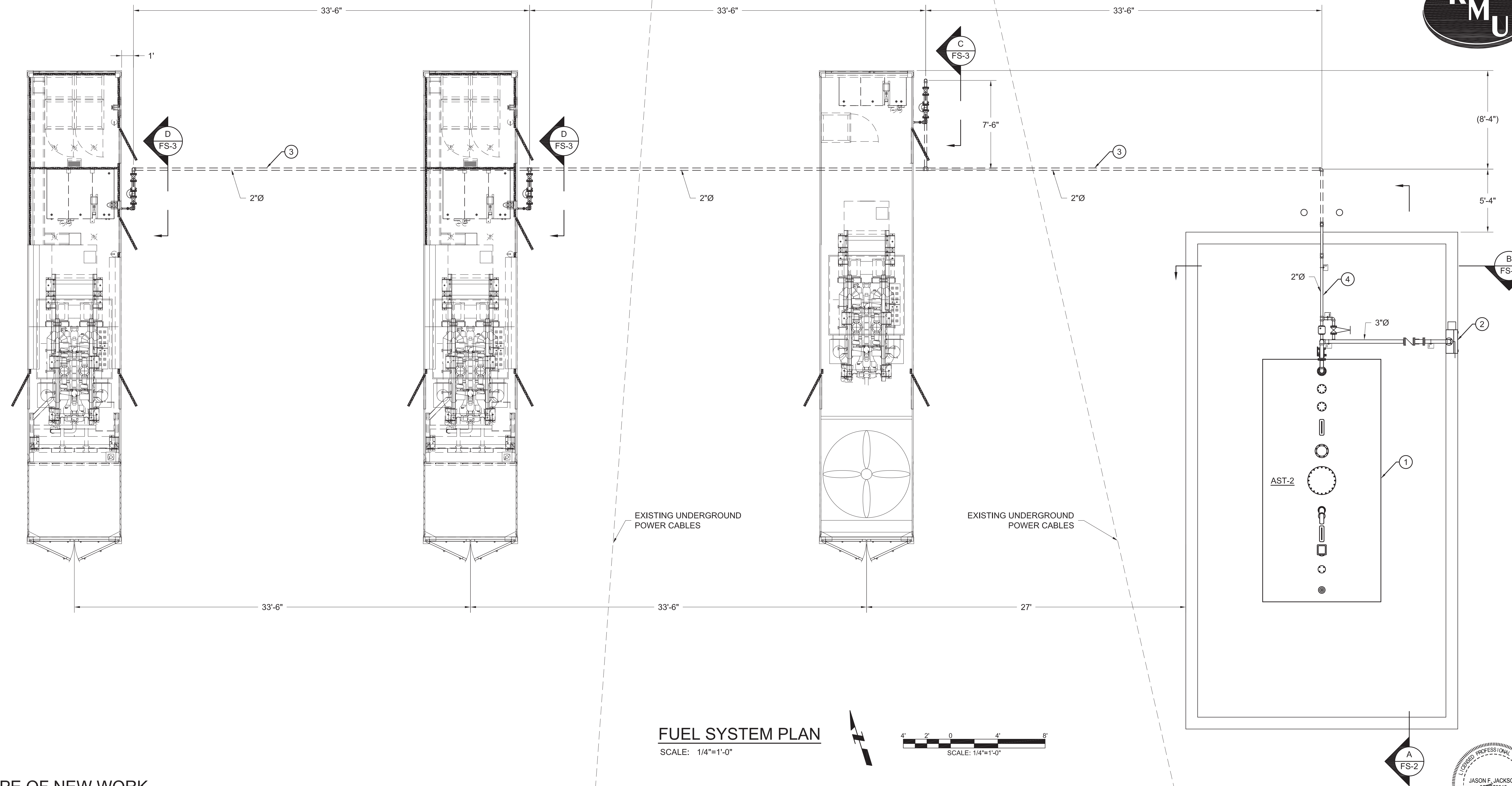
This Bid submitted by:

Company Name: **INDEPENDENT MECHANICAL INDUSTRIES, Inc.**

Name (typed or printed): **Domingo Moreno - (773) 447-3623**

Date: **March 28, 2016**

All RFP correspondence and proposals shall be sent electronically to Jason Jackson at jjackson@bhmg.com per the scheduled dates above. Hard copies of the proposal are *not* required.



FUEL SYSTEM PLAN
SCALE: 1/4"=1'-0"



SCOPE OF NEW WORK

INSTALLATION OF, BUT NOT NECESSARILY LIMITED TO THE FOLLOWING:

- ① NEW ABOVE GROUND HORIZONTAL STORAGE TANK COMPLETE, INCLUDING ALL VENTS, CONNECTIONS AND ACCESSORIES BY CONTRACTOR. TANK WILL BE PURCHASED, SET, ANCHORED, AND GROUNDED BY OWNER.
- ② NEW REMOTE FILL STATION COMPLETE, INCLUDING PIPING, VALVES, AND ACCESSORIES.
- ③ NEW UNDERGROUND FUEL SUPPLY LINES COMPLETE, INCLUDING TRACER WIRE. RUN BOTTOM OF PIPE AT 72-INCH BELOW GRADE MINIMUM. LINES SHALL BE BEDDED IN SAND OR PEA GRAVEL. PIPE SHALL BE ERW A53,GR B, OR API-5L WITH FUSION BOND EPOXY, AND MASTIC WRAP FITTINGS, AND CONNECTIONS.
- ④ NEW SUPPLY LINE PIPING COMPLETE, INCLUDING VALVES, SUPPORTS, TRANSITIONS, SUMPS AND ACCESSORIES.

GENERAL NOTES

- 1. CONTRACTOR SHALL ACQUIRE INSTALLATION PERMIT FROM ILLINOIS FIRE MARSHALL FOR INSTALLATION OF NEW SYSTEM PRIOR TO INSTALLATION.
- 2. CONTRACTOR SHALL CLEAN AND VERIFY PIPES ARE CLEAN PRIOR TO INSTALLATION. PIPE PLUGS SHALL BE USED.
- 3. PROVIDE TRACER WIRE ON ALL UNDERGROUND PIPE.
- 4. CONTRACTOR SHALL KEEP TANKS AND PIPING SEALED DURING CONSTRUCTION TO AVOID DEBRIS AND WATER FROM ENTERING SYSTEM.
- 5. CONTRACTOR SHALL PROVIDE AND INSTALL CAUTION/WARNING LABELS AS REQUIRED.



REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
0	03/18/16	JFJ	ISSUED FOR BIDS				

NOTES	
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SCALE AS NOTED		ROCHELLE MUNICIPAL UTILITIES GENERATOR #16-18 INSTALLATION FUEL SYSTEM PLAN <small>BHMG ENGINEERS INC. 630 JEFFCO BOULEVARD ARNOLD, MISSOURI 63010</small>	JOB NO.	REV.
DRAWN JFJ			1620	0
DATE 03/17/16			REFERENCE	DRAWING NO.
CHECKED JFJ				FS-1
APPROVED LCP				

PLOT DATE: 03/18/16

TELE: (636) 296-8600 FAX: (636) 296-8611

