

TOWN OF YORKTOWN, NY

**CATSKILL WATER SUPPLY DRINKING WATER FLUORIDATION
CONTRACT 19-2**

ADDENDUM NO. 1 – OCTOBER 24, 2019

TO ALL PROSPECTIVE BIDDERS FOR CONSTRUCTION OF CATSKILL WATER SUPPLY DRINKING WATER FLUORIDATION, CONTRACT 19-2:

NOTE: Last day to submit questions regarding the Catskill Water Supply Drinking Water Fluoridation Project, Contract 19-2, is October 25, 2019.

This Addendum is intended to summarize the MANDATORY PRE-BID MEETING held at the Catherine Street Facility, Old Crompond Road & Garden Lane, Yorktown, NY at 11:00 a.m. on Wednesday October 16, 2019 and additional changes to the Contract Documents after that time. The Pre-Bid Meeting Report (below) and any items discussed during the meeting are not part of the Project Manual or Contract Documents. The Report is not binding and shall not be construed to have changed the Contract Documents. Any modifications to the Contract Documents are included in the Addendum section below.

1. PRE-BID MEETING REPORT – OCTOBER 16, 2019:

- A. All attendees signed in at the start of the meeting and the meeting agenda was distributed.
- B. Introductions were made. Representing the Engineer were: Vanessa McPherson and Lindsay McCarthy of Arcadis. Representing the Owner were: Michael Quinn, Ken Rundle and Mike Mills from the Town of Yorktown. Operator was noted as Northern Westchester Joint Water Works (NWJWW).
- C. Vanessa McPherson of Arcadis recited the contents of the Agenda.
- D. Contract 19-2 has two Parts: General and Electrical. Bid Forms are provided in the Contract Documents for the two Bids.
- E. It was noted that the Contract currently requires Substantial Completion by June 30, 2020. The Contract Duration will be updated to reflect 210 Consecutive Calendar Days to Substantial Completion in lieu of a date.
- F. Regarding permits and coordination, Arcadis noted that the project is being funded by a grant from the New York State Department of Health, which drives the Minority and Women Business Enterprise requirements included in the documents. Approval to construct the project is being sought from the Westchester County Department of Health. Additionally, an application for a modified Land Use Permit from the New York City Department of Environmental Protection for the site is in progress. The Town and Engineer are actively updating these entities on the status of the project and approvals. A Building Permit and Road Opening Permit must be obtained from the Town, but the fees will be waived.

- G. It was noted that the shutdown of the 24-inch Transmission Main must be coordinated with the upcoming NYCDEP Catskill Aqueduct shutdown. The 24-inch Transmission Main must be in service during the Catskill Shutdown. The timing of this is noted in the Contract Documents. Refer to Section 01 14 16. The NYCDEP currently has the Catskill Aqueduct shutdown scheduled for November 2019 through March 2020.
- H. Bidders were permitted to tour the Catherine Street Facility. The meeting and tour lasted approximately 30 minutes.
- I. Several questions were asked during the meeting and tour, and the Town/Arcadis provided the following responses:
- i. **Question:** Can the Hazardous Materials Report be emailed to the Bidders for review?
Response: Yes, the Report is available at Town Hall for review and will be made available on www.EmpireStateBidSystem.com.
 - ii. **Question:** It appears that a Road Closure will be required for the installation of the Flow Meter Vault. Is this a Town roadway and are any special permits required?
Response: Old Crompond Road and Garden Lane are Town Roads. A Road Opening Permit will be required from the Town for the work.
 - iii. **Question:** Who is responsible for the excavation required for buried Electrical work?
Response: The Electrical Contractor is responsible for excavation associated with buried electrical work.
 - iv. **Question:** Is there any concrete encasement for the underground Electrical work?
Response: There is no concrete encasement for the underground Electrical work as shown on the Drawings.
 - v. **Question:** What is the project budget?
Response: The Town has been awarded a grant in the amount of \$901,000 which includes construction and engineering.
 - vi. **Question:** Regarding the removal of the suction piping from the Catskill Aqueduct, please clarify the extent and whether any work is in the Aqueduct itself.
Response: This work is included as a Bid Alternate at the request of the NYCDEP. No work is within the Aqueduct. Piping shall be removed to the crown of the Aqueduct (refer to 'Modifications to Contract Drawings' below).
 - vii. **Question:** What is the location of the instruments shown in the Flow Meter Vault?
Response: The instruments will be located on the Sump side of the Flow Meter Vault.
 - viii. **Question:** Approximately how long is the piping to connect the Grinder Pump discharge to the Low Pressure Force Main?
Response: The pipe is approximately 400 feet long as shown on the Drawings.

The following changes are hereby made part of and must be attached to the Project Manual and Contract Drawings:

2. MODIFICATIONS TO THE PROJECT MANUAL:

A. Section 00 21 13, Instructions to Bidders:

- i. Article 19 – Evaluation of Bids and Award of Contract. Add New Paragraph 19.01.F as follows:

- F. Award is subject to acceptance of the Contractor’s Qualifications by New York State Department of Health in accordance with the terms of the Owners Agreement for Grant Funding.

B. Section 00 52 13, Agreement:

- i. Replace Paragraph 4.02.A in its entirety with the following:
 - A. *Substantial Completion and Completed and Ready for Final Payment:* The Work shall be substantially completed within 210 days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 240 days from the date when the Contract Times commence to run.

3. MODIFICATIONS TO CONTRACT DRAWINGS:

- A. Sheet G-04. For Note 5), delete the following sentence: “Piping located over the Catskill Aqueduct shall not be removed”.
- B. Sheet G-10. Replace referenced Specification Section with, “Section 33 05 13, Manholes and Structures”.
- C. Sheet E-01. Add the following notes:
 - a. Utility Pole Note: Contractor to verify location in field. No additional cost to Owner for difference in distance.
 - b. Existing Utility Service Note: Contractor shall return existing CTs and meter to utility company.
- D. Sheet E-02. Add the following notes:
 - a. Demolition Note: Remove all electrical equipment even if not shown on drawings. Patch and seal all openings. Provide temporary power, wire and raceway as required for construction for all trades.
 - b. General Note: Drawing sourced from Town as-built drawings. Any discrepancies shall be the responsibility of the contractor to remove and patch.
- E. Sheet E-03. Replace in its entirety with the Attached.

4. ATTACHMENTS:

- A. Mandatory Pre-Bid Meeting Agenda (2 Pages).
- B. Sign In Sheet from Mandatory Pre-Bid Meeting (1 Page).
- C. Bidder Request for Information and Clarification (1 Page).
- D. Sheet E-03 of the Contract Drawings.

5. REQUESTS FOR INFORMATION/ CLARIFICATION:

See attachment 'Bidder Request for Information and Clarification' for questions received and corresponding responses.

Town of Yorktown
Catskill Water Supply Drinking Water Fluoridation
Contract 19-2

Mandatory Pre-Bid Meeting Agenda

Date: October 16, 2019
Time: 11:00 AM
Location: Catherine Street Facility (Old Crompond Road & Garden Lane)

1. Introductions
 - a. Owner (Town of Yorktown), Engineer (Arcadis), Operator (NWJWW)
2. Bid Information
 - a. Bids are due Friday November 1, 2019 at 11 AM local time in the Office of the Town Clerk of the Town of Yorktown – Town Hall, 363 Underhill Avenue, Yorktown Heights, NY.
 - b. Bid will be received for:
 - i. Contract No. 19-2 Part 1 – General Construction
 - ii. Contract No. 19-2 Part 2 – Electrical Work
 - c. Submit the Following with the Bid Proposal:
 - i. A certified check or bid bond in the amount of 10% of the total bid amount
 - ii. Bid Proposal Form
 - iii. Non-Collusive Bidding Certificate
 - iv. Qualifications Statement
 - v. MWBE Utilization Plan
 - d. All questions shall be directed to: the Town Clerk dquast@yorktownny.org with the subject heading provided. All questions must be submitted in writing by October 25, 2019. Responses to questions will be provided via Addenda.
 - e. The “Instructions to Bidders” must be followed in all respects.
 - f. Substantial Completion shall be within 210 consecutive calendar days. Liquidated damages shall be enforced.
 - g. Permits and Coordination.
 - h. Contract documents are available from Town Hall and the Empire State Bid site [www.EmpireStateBidSystem.com].
 - i. Hazardous Materials Report is available to review at Town Hall.
 - j. All local codes shall be followed.
 - k. Prevailing Wage Rates apply.
 - l. Project Bonding is required.
3. Scope of Work
 - a. Constructing a new fluoride storage and feed system for the Catskill Drinking Water Supply to the Town of Yorktown, including:
 - i. Day Tank, Transfer Pump, Metering Pump, piping, valves, and appurtenances, including injection quill and sample probe.
 - ii. Containment Area and Equipment Pads.
 - iii. Emergency Eyewash and Shower, sink and water heater.

- iv. Heating and ventilation improvements.
 - v. Instrumentation and Control System. Fluoride analyzer to be provided by Owner.
 - vi. Grinder Pump Station, piping, and connection to Low Pressure Force Main.
 - b. Building Improvements including new roof.
 - c. New electrical service, lighting and power systems.
 - d. Bid Alternates:
 - i. Flow Meter and Vault.
 - ii. Repaving Driveway.
 - iii. Removal of Catskill Aqueduct Suction piping.
- 4. Project Highlights:
 - a. Scheduling and MOPO.
 - b. Site Constraints.
- 5. Walk Through

SIGN IN SHEET

**TOWN OF YORKTOWN
CATSKILL WATER SUPPLY DRINKING WATER FLUORIDATION PROJECT
CONTRACT 19-2 PRE-BID MEETING**

Arcadis of New York, Inc.
44 South Broadway
15th Floor
White Plains
New York 10601
Tel 914 694 2100
Fax 914 694 9286

October 16, 2019

11:00 am

Catherine Street Facility
(Old Crompond Rd. & Garden Ln.)

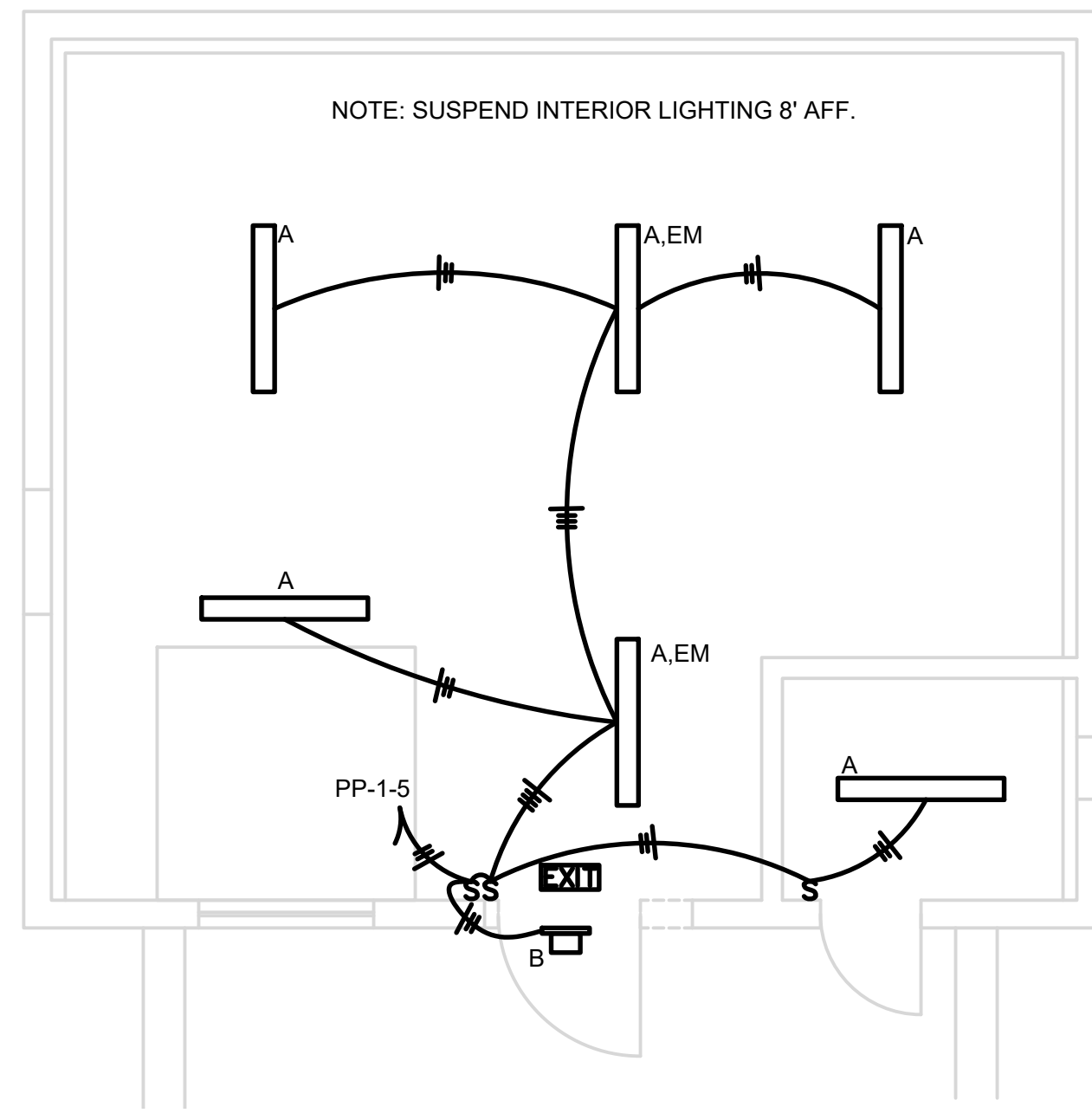
Name	Company/Title	Email	Phone
Vanessa McPherson	Arcadis	vanessa.mcpherson@arcadis.com	914-641-2418
Frank Toto	OCS Industries, Inc	Ftoto@OCSindustries.com	845-479-2490
Ken Rundle	Yorktown W.D.	KRundle@YorktownNY	245-6111
Erich Haefner	ELQ Industries	ehaefner@elqindustries.com	914-727-2753
FRED FERGUSON	EVENTUS	FHF-EVENTUS@OPTONLINE.NET	914-245-2400
GABE STERIAN	DEM ELECTRICAL	GSTERIAN@DMELECTRICAL.com	914-498-2546
MANNY FOTO	ECCO III	mfoto@eccoiii.com	914-963-3600
DAVE STACK	ABE	dstack@abestelectric.com	845-388-1200
MATT MASI	ACORN Electric	Matt.Masi@AcornElectric.net	203 948-2276
John Alronzetti	Eventus Consi	JohnA@EVENTUSCO.COM	914-245-2400
CHRIS FRACASSA	MONTESANO BROS, INC	CMF@MONTESANOBROS.COM	914 235-4800
Michael Quirk	Yorktown - Town Engineer	mquirk@YorktownNY.org	914-962-1568
Nicola Rivera	Mace Contracting Corp.	N.Rivera@macecontracting.com	914-576-0606
MIKE MILL	T/O YORKTOWN	MMILL@YORKTOWNNY.ORG	914-490-0237
Lindsay McCarthy	Arcadis	Lindsay.mccarthy@arcadis.com	914-641-2462

**Bidder Request for Information and Clarification
Catskill Water Supply Drinking Water Fluoridation Project
Contract 19-2; Part 1 & 2**

Question/Request	Date Submitted	Arcadis Reponse	Date Responded
Please provide type or spec for MFR cable (drawing E01 & E03)	10/17/2019	For the flow meter, a standard multi-conductor instrumentation cable is anticipated. For the grinder pump, it will be a standard pump cord.	10/24/2019
Note on Drawing E03 mention about P&ID for additional details. There is no P & ID drawings. Please clarify.	10/17/2019	Refer to Sheet G-13 (Instrumentation P&ID and Network Architecture.	10/24/2019
Please provide location for "Fill Station".	10/23/2019	The Fill Station has been eliminated. Please refer to updated Sheet E-03.	10/24/2019
Please specify who provide & install the Unit heaters, water heater & Fan.	10/23/2019	General Contract (Part 1) to provide and install the unit heaters, water heater and fan.	10/24/2019
Please provide wiring "size" & type for PB. The control schematic diagram doesn't show.	10/23/2019	Clarification: the "PB" is an integral alarm reset pushbutton on the eyewash/shower.	10/24/2019

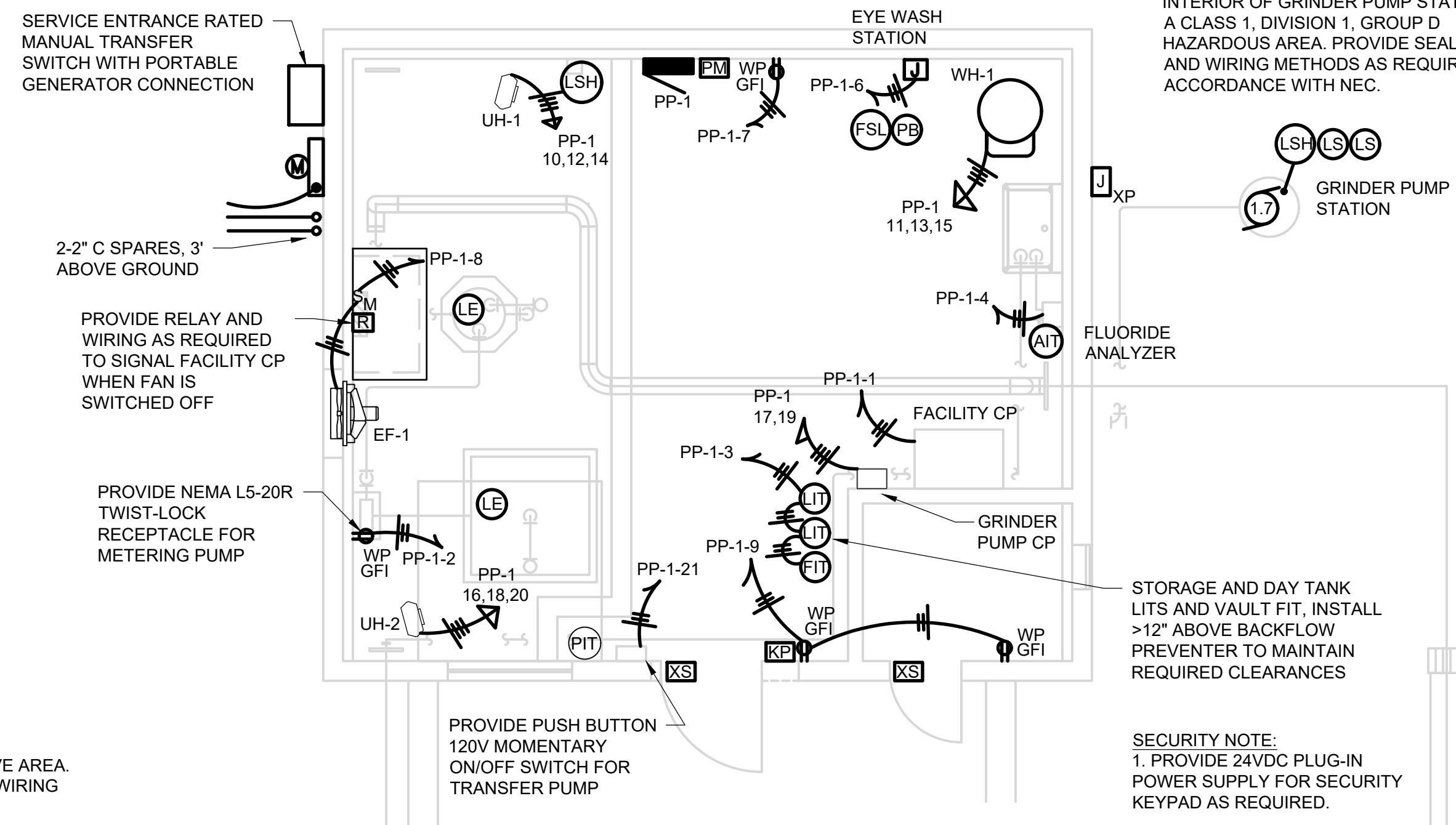
LIGHTING REFLECTED CEILING PLAN

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

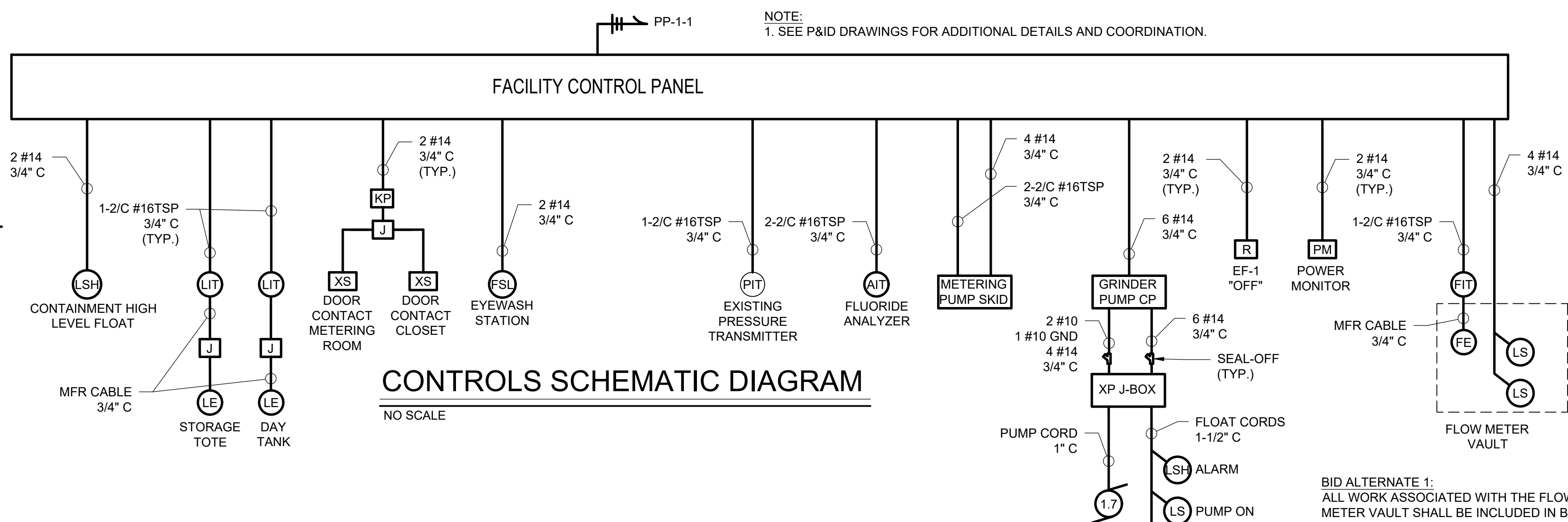


POWER FLOOR PLAN

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



FACILITY CONTROL PANEL



CONTROLS SCHEMATIC DIAGRAM

NO SCALE

PANELBOARD PP-1 SCHEDULE

MAIN BUS RATINGS: 200A, 120/208 VOLTS, 3 PHASE, 4 WIRE
MINIMUM SHORTCIRCUIT INTERRUPTION RATING: 22,000 AIC
MAIN BREAKER TRIP: 200A
ESTIMATED CONNECTED LOAD: 26.5 KW

FED FROM: MAIN CIRCUIT BREAKER
INCOMING FEED: 4 #3/0
ENCLOSURE: NEMA 12
SURGE PROTECTIVE DEVICE INCLUDED

DESCRIPTION	LOAD KW	CB TRIP/POLE	CIR. NO	A	B	C	CIR. NO	CB TRIP/POLE	LOAD KW	DESCRIPTION
FACILITY CP	1.2	20A/1P	1				2	20A/1P	0.1	METERING PUMP SKID
FIT & LITs	0.3	20A/1P	3				4	20A/1P	0.2	FLUORIDE ANALYZER
LIGHTING	0.2	20A/1P	5				6	20A/1P	0.1	EYE WASH STATION
RECEPTACLES	0.2	20A/1P	7				8	20A/1P	1.1	EF-1 FAN
RECEPTACLES	0.6	20A/1P	9				10			
HOT WATER HEATER	6	30A/3P	11				12	30A/3P	7.5	UH-1
			13				14			
			15				16			
GRINDER PUMP	1.3	35A/2P	17			18	30A/3P	7.5	UH-2	
TRANSFER PUMP	0.1	20A/1P	21			22	20A/1P	--	SPARE	
SPARE	--	20A/1P	23			24	20A/1P	--	SPARE	
SPARE	--	20A/1P	25			26				
SPARE	--	20A/1P	27			28	15A/3P	0.1	POWER MONITOR	
SPARE	--	20A/1P	29			30				

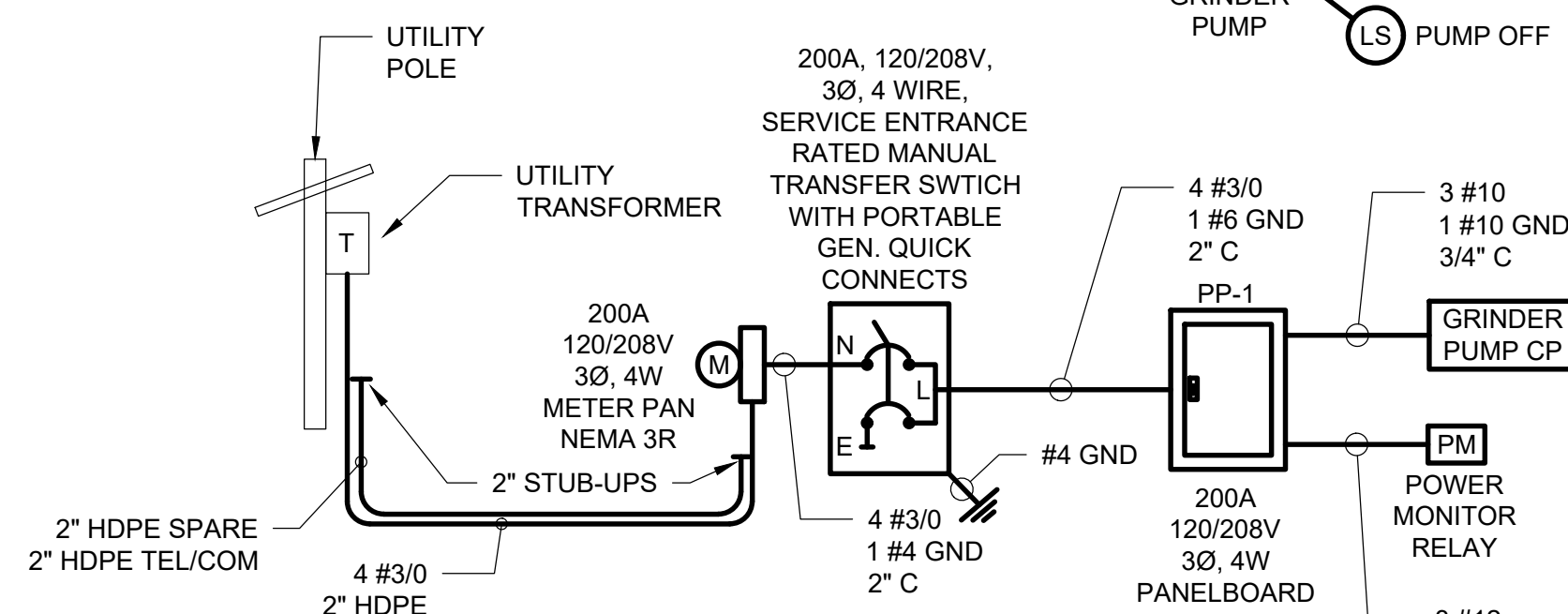
PANELBOARD NOTES:
1. PROVIDE 2 #12, 1 #12 GND, 3/4" C FOR ALL 20A/1P CIRCUITS AS REQUIRED.
2. PROVIDE 3 #10, 1 #10 GND FOR ALL 35A/2P AND 30A/3P CIRCUITS AS REQUIRED.

SCHEDULE OF LIGHTING FIXTURES

TYPE	LAMPS WATTS	MOUNTING	VOLTAGE	FIXTURE MANUFACTURER AND CATALOG NUMBER	REMARKS
A	33W	SUSPENDED	120V	LITHONIA LIGHTING VAP LED SERIES	4000 LUMENS, FROSTED LENS, MEDIUM, 4000 K, 90 CRI, "EM" PROVIDE BATTERY PACK
B	45W	WALL MOUNT	120V	LITHONIA LIGHTING TWP LED SERIES	4000K, TYPE 3 MEDIUM, PHOTOELECTRIC CELL DARK BRONZE
EXIT				LITHONIA SELF-LUMINOUS EXITS D-TRITUM SERIES, 20 YEAR LIFE, SINGLE FACE, RED LETTERS	

POWER SINGLE LINE DIAGRAM

NO SCALE



- POWER SINGLE LINE NOTES:**
- ALL UTILITY WORK SHALL COMPLY WITH CON ED APPROVED SERVICE LAYOUT AND ANY OTHER UTILITY REQUIREMENTS. CONTRACTOR TO PROVIDE AND INSTALL ENOUGH #3/0 CABLE AND CONDUIT TO REACH THE TOP OF THE UTILITY POLE. VERIFY LENGTH REQUIRED IN FIELD.
 - ALL CONDUIT BETWEEN UTILITY POLE AND METER SHALL BE SCHED. 40 HDPE.
 - ELECTRIC UTILITY SERVICE WIRING BETWEEN UTILITY POLE AND METER SHALL BE COPPER, TYPE USE-2 INSULATION. SECONDARY SERVICE CONNECTIONS AT UTILITY POLE WILL BE BY THE UTILITY COMPANY. PROVIDE SPLICE KITS. PROVIDE ALL DEVICES, ACCESSORIES, ETC. AS REQUIRED BY THE UTILITY COMPANY.
 - OWNER TO PAY ALL UTILITY FEES DIRECTLY.
 - PROVIDE #4 SERVICE GROUND, BOND TO GROUND ROD AND WATER SERVICE.
 - MANUAL TRANSFER SWITCH SHALL BE SERVICE ENTRANCE RATED, BREAK-BEFORE-MAKE TYPE, APPROVED BY UTILITY.
 - POWER MONITOR RELAY SHALL BE TIME-MARK 158B SERIES, 3-PHASE POWER MONITOR RELAY, PROVIDE NEMA 12 ENCLOSURE AS REQUIRED.
 - CONTRACTOR TO FULLY COORDINATE WITH UTILITY COMPANY TO NOT DELAY JOB. IF NEED BE CONTRACTOR TO PAY UTILITY AND WILL BE REIMBURSED. ALL PERMITS BY CONTRACTOR.