

DIVISION 1
 DIVISION 2
 UNCLASSIFIED

NFPA BOUNDARY CLASSIFICATION
N.T.S.

LEGEND:

- A: NO VENTILATION OR VENTILATED LESS THAN 12 AIR CHANGES/HOUR
- B: CONTINUOUSLY VENTILATED AT 12 AIR CHANGES/HOUR
- C: CONTINUOUSLY VENTILATED AT 6 AIR CHANGES/HOUR
- D: NO VENTILATION OR VENTILATED LESS THAN 6 AIR CHANGES/HOUR
- NNV: NOT NORMALLY VENTILATED



MM/DD/YYYY
Xxxx Xxxx
Miami-Dade Water & Sewer Department

Re: Pump Station No. XXXX

Dear XXXX XXXX

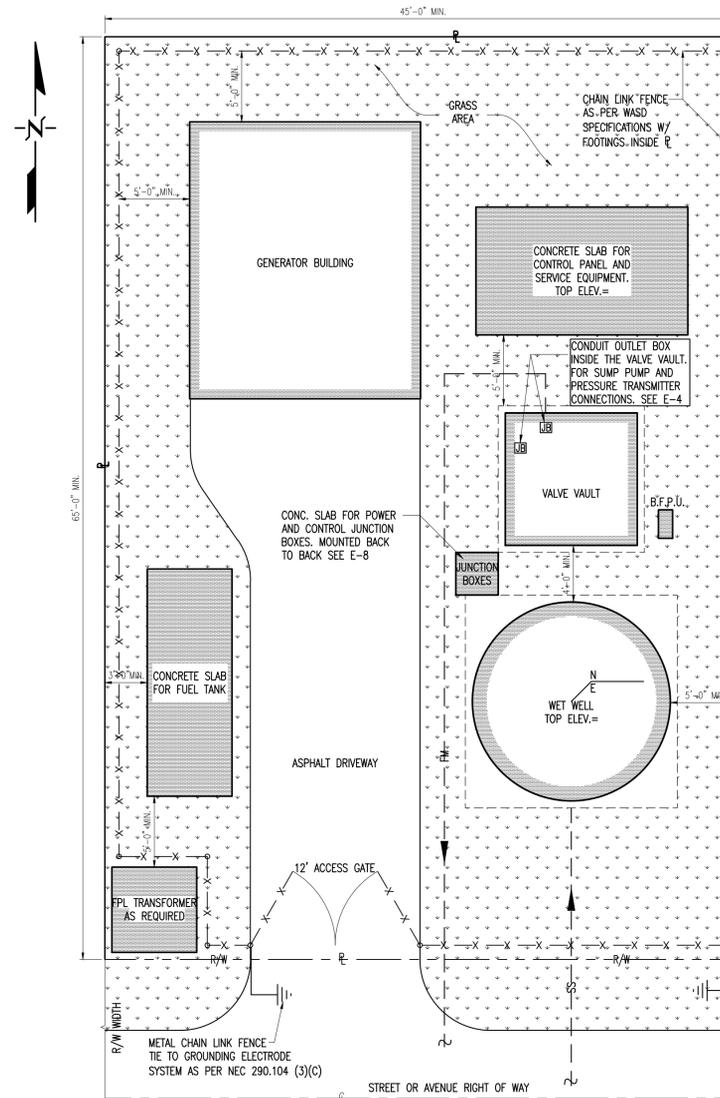
Thank you for contacting FPL about the available fault current at Pump Station No. XXXX. Based on the plans you have provided dated Month DD YYYY, the maximum available fault current at the transformer secondary terminals is estimated to be XXXX symmetrical amperes at XXX volts. The protective device on the line side of the transformer currently in place or to be installed and serving your property located at the subject location is a Xamp type "KS" fuse. The primary service voltage is XX kV L-L. The calculated symmetrical fault current is not intended for use as the basis for motor starting calculations and does not include:

- Consideration for any motor contribution or
- Fault current asymmetry.

The FPL equipment currently serving or planned to serve your facility may change over time as a result of any number of factors, including but not limited to transformer replacements due to load growth, electrical grid changes or other activities. As a result, although we are providing you with this information for the sole purpose of assisting you in the completion of your study, you and your client should not design, build or operate your system in reliance upon any expectation that the specific size and type of equipment currently in place will remain so. If and when the size and type of the equipment changes, our employees are not always in a position to immediately notify customers.

As the construction project progresses, any questions or information you may need can be communicated through me. I have enclosed my business card for easy reference and look forward to hearing from you in the near future.

Name and signature of
FPL representative



PROPOSED SITE PLAN
SCALE: 1"=6'-0"

FLOOR PLAN:
SHOW/STATE ALL ELECTRICAL EQUIPMENT AND APPURTENANCES IN COMPLIANCE WITH NEC, 110-16.
PROVIDE CIRCUIT NUMBERS AS RELATING TO PANEL SCHEDULE. CONDUCTORS AND CONDUIT SIZE.
SPECIFY HAZARDOUS LOCATIONS.

SITE PLAN:
PROVIDE A SITE PLAN, SCALE: 1"=6'-0", DEPICTING LOCATION OF BUILDINGS, STRUCTURES, PUMP STATION, POWER SERVICE POINT OR TRANSFORMER LOCATION, SERVICE COMPONENTS AND CONDUCTORS. IN ADDITION PROVIDE PROPERTY LIMIT OR EASEMENT BOUNDARY ACCORDING TO LEGAL DESCRIPTION.

NOTE:
IN CASE THE EXISTING VOLTAGE SYSTEM IS 240V, 3ø, AND THE PROPOSED PUMPS RATED AT 15 HP OR HIGHER THE ENGINEER SHALL VERIFY WITH FPL AND MDWASD IF IT IS REQUIRED TO INCREASE THE VOLTAGE SYSTEM TO 480/277V, 3ø.

ELECTRICAL SCOPE OF WORK

- 1- COORDINATE THE ELECTRICAL SERVICE AND WORK WITH F.P.L PROJECT MANAGER MR. XXXX PHONE: (XXX) XXX-XXXX AND WITH PSP CONSTRUCTION MANAGEMENT PERSONNEL.
- 2- AVAILABLE ELECTRICAL SERVICE AT THE STATION TO REMAIN AT 120/240V, 3PH, 4W OR REQUIRES UPGRADE TO 480/277V, 3PH, 4W. CONTRACTOR TO INSTALL NEW UNDERGROUND STATION SERVICE TO TRANSFORMER TO BE CONNECTED BY FPL.
- 3- COORDINATE WITH FPL REPRESENTATIVE TO PROVIDE TEMPORARY POWER SERVICE FOR STATION BYPASS.
- 4- ONCE THE STATION IS ON BYPASS, DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENTS CURRENTLY SERVICING STATION. CONTACT FPL TO REQUEST SERVICE TO BE DISCONNECTED.
IF APPLICABLE, EXISTING RTU PANEL AND ANTENNA TO BE RELOCATED SEE SUPPORT DETAILS X ON SHEET E-X.
CONTRACTOR SHALL CONTACT MDWASD FOR REMOVAL OF SCADA RTU & ANTENNA. MDWASD WILL ISSUE THIS EQUIPMENT TO THE CONTRACTOR WHEN READY TO INSTALL. MDWASD PERSONNEL WILL CONNECT ALL WIRING TO AND FROM RTU AS WELL AS ANTENNA CABLING.
- 5- INSTALL ALL REQUIRED UNDERGROUND CONDUITS INCLUDING NEW GROUNDING SYSTEM, NEW ELECTRICAL SERVICE, NEW CONDUITS TO WET WELL AND VALVE PIT.
- 6- PROVIDE NEW ELECTRICAL CONCRETE AS SHOWN ON PROPOSED SITE PLAN. PROVIDE NEW METER SOCKET, NEW MAIN DISCONNECT, AND NEW CONTROL PANEL.
IF APPLICABLE, DISCONNECT AND REMOVE EXISTING DRY WELL PRESSURE TRANSDUCER CABLE, ABANDON CONDUIT IN PLACE. NEW CONDUIT SHALL BE ROUTED FROM EXISTING RTU ENCLOSURE TO NEW VALVE VAULT PRESSURE TRANSDUCER.
- 7- PROVIDE NEW MOTOR CONNECTION BOX. SEE DETAILS ON E-X.
- 8- CONNECT LOADS AS SHOWN IN THE SINGLE LINE DIAGRAM. PROVIDE ALL REQUIRED RACEWAYS AND CONDUCTORS FOR A COMPLETE POWER AND CONTROL SYSTEM.

THIS IS AN EXAMPLE, IT IS THE DESIGN CONSULTANT'S RESPONSIBILITY TO DEVELOP A PROJECT SPECIFIC SOW

THESE ARE NOT CONSTRUCTION DRAWINGS. THE INFORMATION HEREIN CONTAINED SHALL ONLY BE USED AS GENERAL GUIDELINE OF THE INTENDED OPERATION AND FUNCTIONS AND SHALL NOT BE CONSTRUED AS ALL INCLUSIVE. ENGINEERS OF RECORD AND CONSULTANTS USING THESE GUIDELINES SHALL VERIFY AND MODIFY ANY REQUIREMENT NOT NECESSARILY SHOWN AS MAY BE REQUIRED BY ANY AND ALL APPLICABLE CODES AND STANDARDS.

MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3071 SW 38TH AVENUE
MIAMI, FL 33146-1520
305-665-7471
www.miamidade.gov/water
UTILITY ENGINEERING & CONSTRUCTION DIV.
3575 SOUTH LE JEUNE ROAD
MIAMI, FL 33133
786-552-4440

PCTS 0000/CONTRACT X-000 or RPQ/ERX00000
PUMPING STATION No. 0000 (STD. UPDATE 2019)
SUBMERSIBLE PUMPING STATION WITH GENERATOR
PROJECT OFFICIAL ADDRESS
ELECTRICAL SITE PLAN AND NOTES

DRAWING HISTORY

RELEASED FOR	DATE	BY
X REVIEW 00%	xx/xx/xx	xxx
REVIEW 00%		
PERMIT		
BID		
AS-BUILT		

REVISIONS

No.	DESCRIPTION	DATE	BY
Δ XXXXXX		xx/xx/xx	xxx
XXXXXX			

APPROVALS

DESIGNED: X.X.X. DRAWN: X.X.X.
UNIT HEAD: X.X.X.
PROJECT MGR.: X.X.X.

Xxxx Xxxxx, P.E.
Xxxxx Engineer
State of Florida—License No.00000
Date:

FILE NAME: XXXXXE02.DWG
DATE: xx/xx/20xx SCALE: AS NOTED
SHEET **E-2**
DWG. No. **S-00000-D**