

# NOTES :

1. REFER TO DRAWING MPE-1 FOR HVAC, PLUMBING/FIRE PROTECTION & ELECTRICAL GENERAL NOTES, ABBREVIATIONS, LEGENDS & DRAWING LIST.
2. UNLESS OTHERWISE NOTED, ALL 120 VOLT, SINGLE PHASE CIRCUITS SHALL HAVE 2#12, 1#12G IN 3/4" AS A MINIMUM. ALL 120 VOLT, 20A SINGLE PHASE CIRCUITS OVER 70 FT. IN LENGTH SHALL BE 2#10, 1#10G IN 3/4".
3. UNLESS OTHERWISE NOTED, ALL 208 VOLT, SINGLE PHASE CIRCUITS SHALL HAVE 2#12, 1#12G IN 3/4" AS A MINIMUM. ALL 208 VOLT, 20A SINGLE PHASE CIRCUITS OVER 110 FT. IN LENGTH SHALL BE 2#10, 1#10G IN 3/4".
4. COORDINATE WITH KITCHEN CONSULTANT ON FINAL DEVICE MOUNTING HEIGHTS.
5. UNLESS OTHERWISE NOTED AS STANDARD (S), ALL RECEPTACLES ON THE GROUND FLOOR SHALL BE HOUSED IN A WEATHERPROOF (WP) IN USE (IU) ENCLOSURE AND HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (GFI).

# DRAWING NOTES :

1. PROVIDE NEW POLYMER CONCRETE HANDHOLE FOR PULLING NEW PECO SERVICE ENTRANCE CONDUCTORS. HANDHOLE SHALL BE SIZED TO ACCOMMODATE THE NUMBER OF CONDUCTORS AS NOTED ON THE SINGLE LINE DIAGRAM INCLUDING BENDING RADI. HANDHOLE SHALL BE MANUFACTURED BY HUBBELL/QUATRE OR APPROVED EQUAL.
2. SERVICE ENTRANCE CONDUIT AND CONDUCTORS TURN FROM BELOW GRADE AT THIS LOCATION AND RISE VERTICALLY IN CONCRETE ENCASUREMENT (MINIMUM 2 INCHES). CONDUITS ENTER SERVICE DISCONNECT CIRCUIT BREAKER ON 1ST FLOOR CLOSET. REFER TO SINGLE LINE DIAGRAM FOR OTHER INFORMATION.
3. FIRE PUMP FEEDER DOWN FROM SERVICE ENTRANCE CIRCUIT BREAKER AND ROUTE TO THE FIRE PUMP CIRCUIT BREAKER IN 1ST FLOOR PUMP ROOM. CONDUIT TO BE ENCASED IN CONCRETE (MINIMUM 2 INCHES). REFER TO SINGLE LINE DIAGRAM FOR OTHER INFORMATION.
4. TELEPHONE & CABLE TV SERVICE ENTRANCE CONDUITS AND WIRE TURN UP FROM BELOW GRADE IN THIS LOCATION.
5. TWO (2) 5" FLOOR SLEEVES IN DECK ABOVE FOR TELEPHONE AND CABLE TV RISERS.
6. NOT USED.
7. FEMA FLOOD FLOAT SWITCH. COORDINATE WITH ELEVATOR VENDOR FOR REQUIREMENTS ON INTERFACING WITH ELEVATOR CONTROLLER.
8. PROVIDE NEMA-4 30AS/15AF DISCONNECT SWITCH MOUNTED TO THE CEILING SLAB. CONVERT FROM EMIT TO LIQUID-TIGHT FLEXIBLE CONDUIT FOR FINAL TERMINATION AT THE EQUIPMENT SHOWN. CIRCUIT TO PANEL INDICATED WITH 2#12, 1#12G, 3/4". TYPICAL FOR ALL UNIT AND CABINET HEATERS.
9. FIREPLACE OUTLET BOX. COORDINATE WITH MANUFACTURE ON EXACT REQUIREMENTS FOR LOCATION, SIZE ETC. CONTRACTOR SHALL ALSO PROVIDE ALL WIRING AS REQUIRED AND DIRECTED BY THE FIREPLACE MANUFACTURER.
10. PROVIDE NEMA-4, 30AS/15AF DISCONNECT SWITCH MOUNTED TO THE CEILING SLAB AND CIRCUIT WITH 2#12, 1#12G, 3/4" TO THE PANEL INDICATED. CONVERT FROM EMIT TO LIQUID-TIGHT FLEXIBLE CONDUIT FOR FINAL TERMINATION AT THE EQUIPMENT SHOWN.
11. PROVIDE FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH FOR EQUIPMENT SHOWN. CIRCUIT WITH 2#12, 1#12G, 3/4" TO THE PANEL INDICATED.
12. CIRCUIT TO VENDOR SUPPLIED INTEGRAL MOTOR STARTER FOR AIR COMPRESSOR (NOT SHOWN) WITH 2#12, 1#12G, 3/4" FROM THE PANEL INDICATED.
13. PROVIDE NEMA-4 30AS/25AF DISCONNECT SWITCH MOUNTED TO THE CEILING SLAB. CONVERT FROM EMIT TO LIQUID-TIGHT FLEXIBLE CONDUIT FOR FINAL TERMINATION AT THE EQUIPMENT SHOWN. CIRCUIT TO PANEL INDICATED WITH 2#10, 1#10G, 3/4". TYPICAL FOR ALL UNIT AND CABINET HEATERS.
14. CIRCUIT BREAKERS FOR RECEPTACLE CIRCUIT RP-10A, RP-13S AND RP-12S SHALL BE ABLE TO BE SWITCHED OFF IN CASE OF FLOOD. CIRCUIT RECEPTACLES AS NOTED ON THE DRAWING. DO NOT CONNECT OTHER WIRING DEVICES TO THESE CIRCUITS.
15. FIRE ALARM DEVICE SHALL BE LOCATED ABOVE REGULATORY FLOOD ELEVATION.
16. EQUIPMENT AND ELECTRICAL DEVICES SHALL BE LOCATED ABOVE REGULATORY FLOOD ELEVATION.
17. PROVIDE 120V POWER TO SUMP PUMP. PUMP IS 115V 1/2HP. WIRING SHALL BE 2#12, 1#12G, 3/4". MOUNT THE WEATHERPROOF RECEPTACLE ABOVE REGULATORY FLOOD ELEVATION.
18. WIRE AND PROGRAM HEAT DETECTOR FOR ELEVATOR SHUNT TRIP FUNCTION. HEAT DETECTORS SHALL BE LOCATED WITHIN 24 INCHES OF SPRINKLER HEAD IN THIS AREA. HEAT DETECTORS SHALL HAVE THEIR TEMPERATURE SETTING SET APPROXIMATELY 50°F LOWER THAN THE ACTIVATION TEMPERATURE OF THE SPRINKLER HEAD THEY ARE MOUNTED NEAR. HEAT DETECTORS SHALL ALSO HAVE A HIGHER SENSITIVITY RATING THAN THE SPRINKLER HEAD IT IS MOUNTED NEAR.

19. PROVIDE 120V POWER TO TRAP PRIMER. COORDINATE LOCATION WITH PLUMBING CONTRACTOR.
20. CONDUIT FOR FIRE PUMP FEEDER ENCASED IN 2" CONCRETE (MIN.) DOWN FROM 1ST FLOOR.
21. CONDUIT FOR FIRE PUMP FEEDER ENCASED IN 2" CONCRETE (MIN.) STUFF UP TO FIRE PUMP CIRCUIT BREAKER ON 2ND FLOOR FIRE PUMP ROOM.
22. PROVIDE HARD WIRE CONNECTION TO SUMP PUMP. PROVIDE NEMA 4 J-BOX MOUNTED ABOVE REGULATORY FLOOD ELEVATION.

# POWER FOR PROPOSED PUMP STATION (FOR BUCKS COUNTY WATER AND SEWER AUTHORITY)

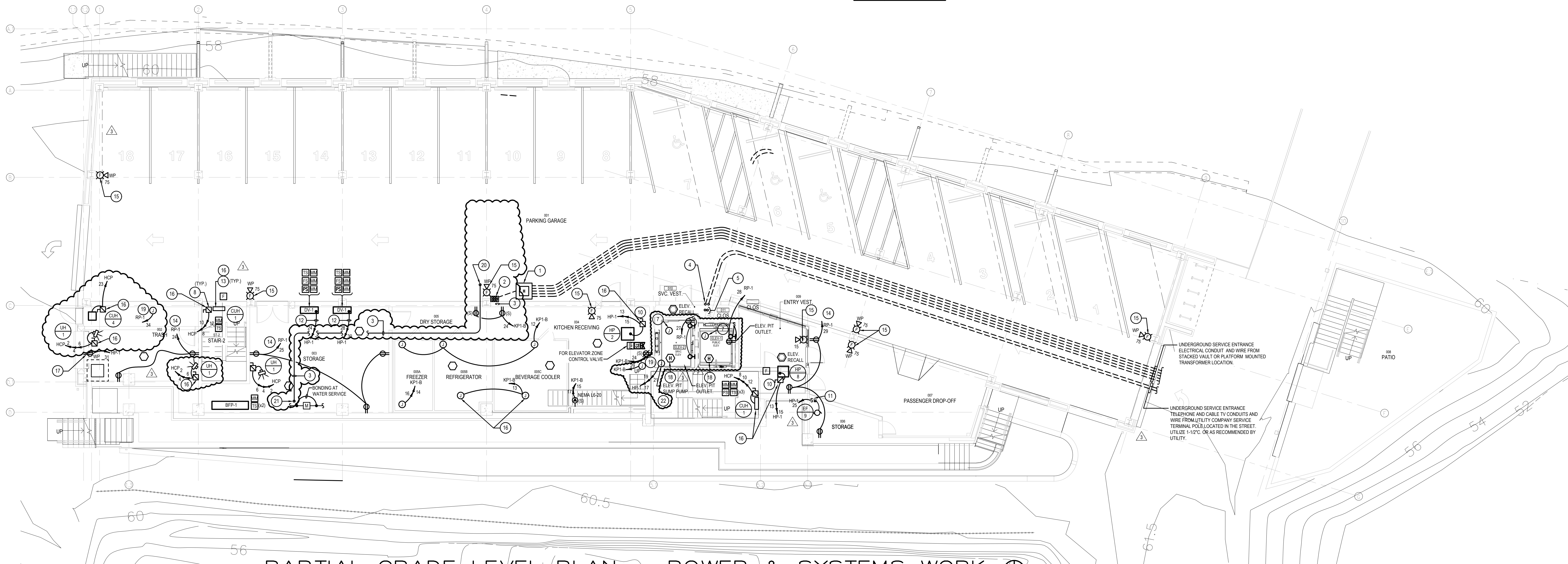
1. 480V, 100A 3-PHASE POWER FOR GRINDER PUMPS TO BE FED FROM PANEL MDP-1003 C.B. CONDUITS AND WIRING TO BE FURNISHED AND INSTALLED BY OTHERS.
2. 120V, 20A 1-PHASE POWER FOR A SCADA PANEL LOCATED AT THE PROPOSED PUMP STATION. CIRCUIT FED FROM PANEL RP-1 OX1 K30. CONDUITS AND WIRING TO BE FURNISHED AND INSTALLED BY OTHERS.

EC TO PROVIDE A 120VAC/1P CIRCUIT TO POWER SMOKE DAMPERS WITHIN DUCTWORK THAT EXTEND BETWEEN FLOORS. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF DAMPERS. CIRCUIT TO NEAREST RECEPTACLE PANEL WITH 2#12, 1#12G, 3/4". UTILIZE 20A/1P BREAKER WITHIN PANEL FOR BRANCH CIRCUIT.

EC TO PROVIDE FIRE ALARM CONTROL RELAY MODULE AT EACH DAMPER. THE INTENT IS TO HAVE THE DAMPERS INITIATED BY THE FIRE ALARM CONTROL PANEL UPON DETECTION OF SMOKE WITHIN THE DUCT DETECTORS FOR THE AIR HANDLING EQUIPMENT SERVING THIS FACILITY. COORDINATE WITH FIRE ALARM VENDOR FOR INTERFACE OF EQUIPMENT.

# PARTIAL GRADE LEVEL PLAN POWER & SYSTEMS WORK

SCALE : 1/8" = 1'-0"



# PARTIAL GRADE LEVEL PLAN - POWER & SYSTEMS WORK

SCALE : 1/8" = 1'-0"

# RIVERHOUSE AT Odette's

274 SOUTH RIVER ROAD  
NEW HOPE, PA 18938

OWNER/ OPERATOR:  
GATEWAY TO NEW HOPE, LLC  
274 South River Road  
New Hope, PA 18938

ARCHITECT:  
STOKES ARCHITECTURE  
2103 Sanson Street  
Philadelphia, PA 19103  
tel: (215) 523-9190

INTERIOR DESIGNER:  
BALONGUE DESIGN INC  
707 Malsford Road  
Villanova, PA 19085  
tel: (610) 525-7593  
fax: (610) 525-7594

CIVIL ENGINEER:  
VAN CLEEF ENGINEERING  
ASSOCIATES, LLC  
501 North Main Street  
Doylestown, PA 18901  
tel: (215) 345-1876  
fax: (215) 345-1730

STRUCTURAL ENGINEER:  
O'DONNELL & NACCARATO  
111 S. Independence Mall East Suite 950  
Philadelphia, PA 19106  
tel: (215) 525-3788

MEP ENGINEER:  
WICK FISHER WHITE  
111 S. Independence Mall East Suite 400  
Philadelphia, PA 19106  
tel: (215) 527-8200  
fax: (215) 527-8240

LIGHTING DESIGNER:  
BRIAN ORTER LIGHTING DESIGN LLC  
227 W. 29th St 8th Floor  
New York, NY 10001  
tel: (646) 502-7568

**STOKES.**  
ARCHITECTURE + DESIGN  
STOKESARCH.COM

SEAL

MARK	REVISIONS	DATE
3	ISSUE FOR CONSTRUCTION	02.28.2019
3	COMMISSIONING	01.23.2019
2	COMMENTS	
2	PERMIT SET	07.25.2018
1	90% PRICING SET	06.18.2018

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

PROJECT #: 140145.001  
FILENAME: WFW  
CHECKED: WFW  
DATE: 07/25/18

ISSUE FOR CONSTRUCTION  
02-28-2019

GRADE LEVEL  
PLAN-POWER &  
SYSTEMS

DRAWING

E-2