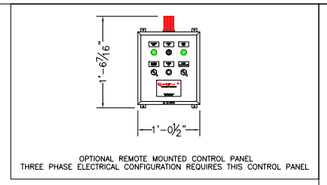
BILL OF MATERIALS

MARK	DESCRIPTION
N1	BLACKWATER INLET – 4" 150# FNPT
N2	AERATION CHAMBER VENT – 3" 150# FNPT
N3	CHLORINATION CHAMBER VENT – 1 1/2" 150# FNPT
N4	TREATED LIQUIDS PUMP DISCHARGE – 2" 150# FNPT
N5	CROSSOVER MANIFOLD CLEANOUT – 2" 150# FNPT
N6	AERATION CHAMBER DRAIN – 2" 150# FNPT
N7	CLARIFICATION CHAMBER DRAIN – 2" 150# FNPT
N8	MEDIA CHAMBER DRAIN – 2" 150# FNPT
N9	CHLORINATION CHAMBER DRAIN – 2" 150# FNPT
N10	SUBMERSIBLE DISCHARGE PUMP CABLE CONNECTION – 1/2" 150# FNPT
N11	FLOAT LEVEL CABLE CONNECTION (2 EA) – 1/2" 150# FNPT
N12	CHLORINE INJECTION CONNECTION – 1/2" 150# FNPT
N13	TREATED LIQUIDS SAMPLE VALVE – 3/8" 150# FNPT W/BRNZ VALVE
N14	CLARIFIER FILL/VENT – 1" FNPT W/ BRONZE BALL VALVE
N15	MEDIA CHAMBER VENT – 1 1/2" 150# FNPT
N16	AERATION CHAMBER/MEDIA CHAMBER CROSSOVER – 2" 150# FNPT
N17	MEDIA CHAMBER AIR AGITATION CLEANOUT –1" 150# FNPT W/BRNZ VALVE
N18	CROSSOVER MANIFOLD ANTI–SYPHON CLEANOUT ACCESS PORT – 3" 150# FNPT
N19	CLARIFIED LIQUIDS SAMPLE VALVE – 1/2" 150# FNPT W/BRNZ VALVE



OPTIONAL REMOTE MOUNTED CONTROL PANEL
THREE PHASE ELECTRICAL CONFIGURATION REQUIRES THIS CONTROL PANEL

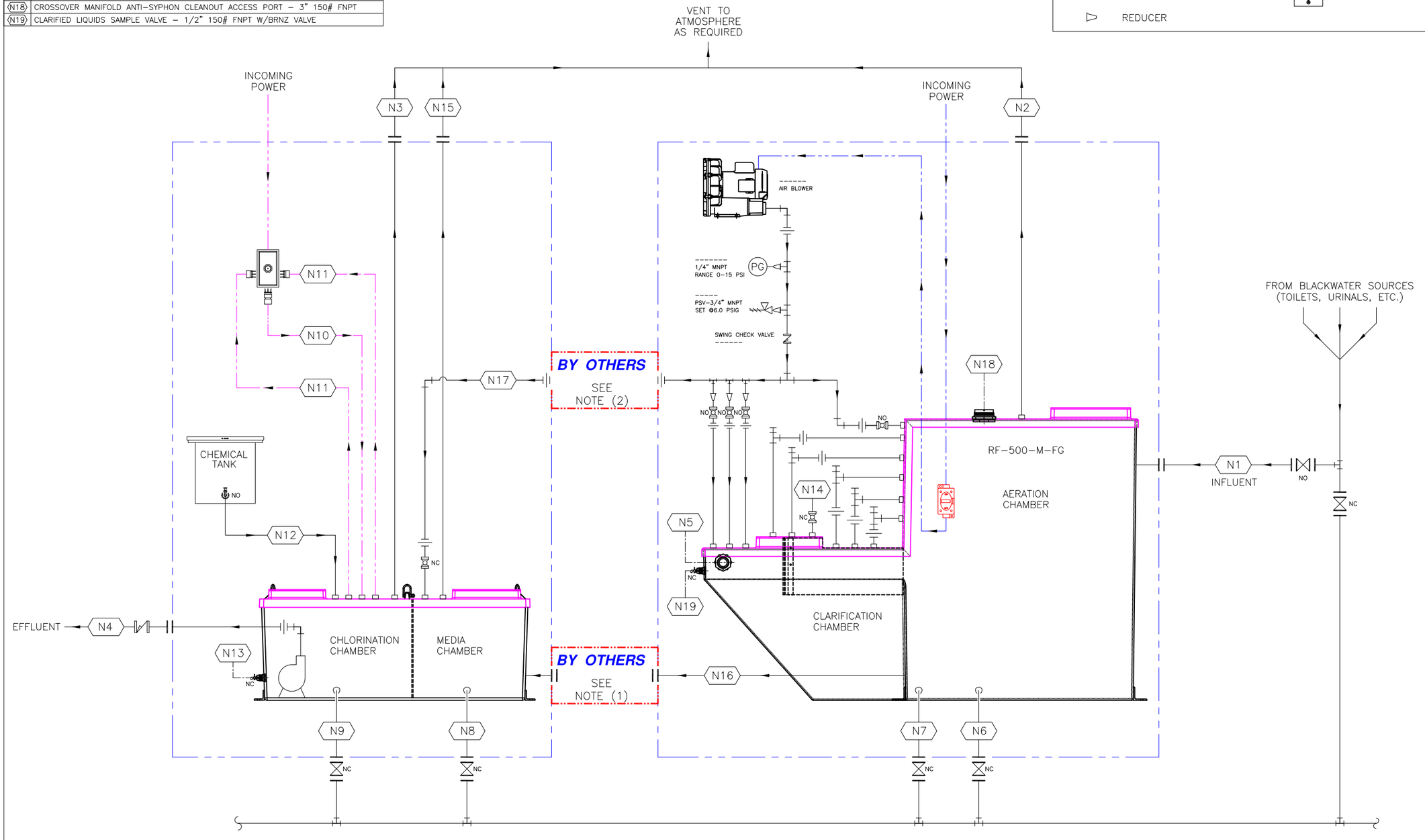
LEGEND

- HOA SWITCH
- REGENERATIVE BLOWER
- ACCESS HATCH
- PRESSURE GAUGE
- FNPT PSV
- REDUCER
- FNPT SWING CHECK VALVE
- FNPT UNION
- FNPT BALL VALVE
- BLOWER ON/OFF SWITCH
- SUBMERSIBLE DISCHARGE PUMP
- CHEMICAL TANK

NOTES:

1) "N16" INTERCONNECTING 2" SCH. 80 PVC PIPE & FITTINGS SUPPLIED BY OTHERS. OTHERS RESPONSIBLE FOR INTERCONNECTION FABRICATION AS NECESSARY ON SITE.

2) "N17" INTERCONNECTING 1" SCH. 40 316 SS PIPE & FITTINGS SUPPLIED BY OTHERS. OTHERS RESPONSIBLE FOR INTERCONNECTION FABRICATION AS NECESSARY ON SITE.



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MODEL: RF–500–M–FG
MARINE SANITATION DEVICE TYPE II
U.S.C.G. CERTIFICATION NUMBER: 159.015/10137/0

REV. NO.	DATE	REVISION DESCRIPTION (LATEST REVISION INDICATED BY RED TRIANGLE)	DWG. BY:	APP'D:
0	11/04/14	APPROVED FOR CONSTRUCTION	BMR	JDE

redFox ENVIRONMENTAL SERVICES, INC.

TITLE: RED FOX
RF–500–M–FG
STANDARD WITH PUMP DISCHARGE
PIPING & INSTRUMENTATION DIAGRAM

PROJECT ENGINEER	ENGINEERING W.O. NUMBER	DRAWN BY:	DATE:	SCALE:	REVISION NUMBER
JDE	-----	BMR	NOV/04/2014	NONE	0

DRAWING NUMBER: RF–500–M–FG 001