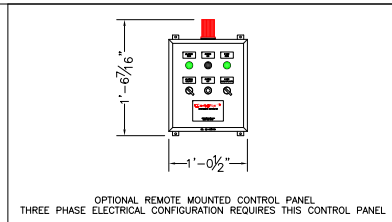


BILL OF MATERIALS

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

NOTES:

- "N16" INTERCONNECTING 2" SCH. 80 PVC PIPE & FITTINGS SUPPLIED BY OTHERS. OTHERS RESPONSIBLE FOR INTERCONNECTION FABRICATION AS NECESSARY ON SITE.
- "N17" INTERCONNECTING 1" SCH. 40 316 SS PIPE & FITTINGS SUPPLIED BY OTHERS. OTHERS RESPONSIBLE FOR INTERCONNECTION FABRICATION AS NECESSARY ON SITE.

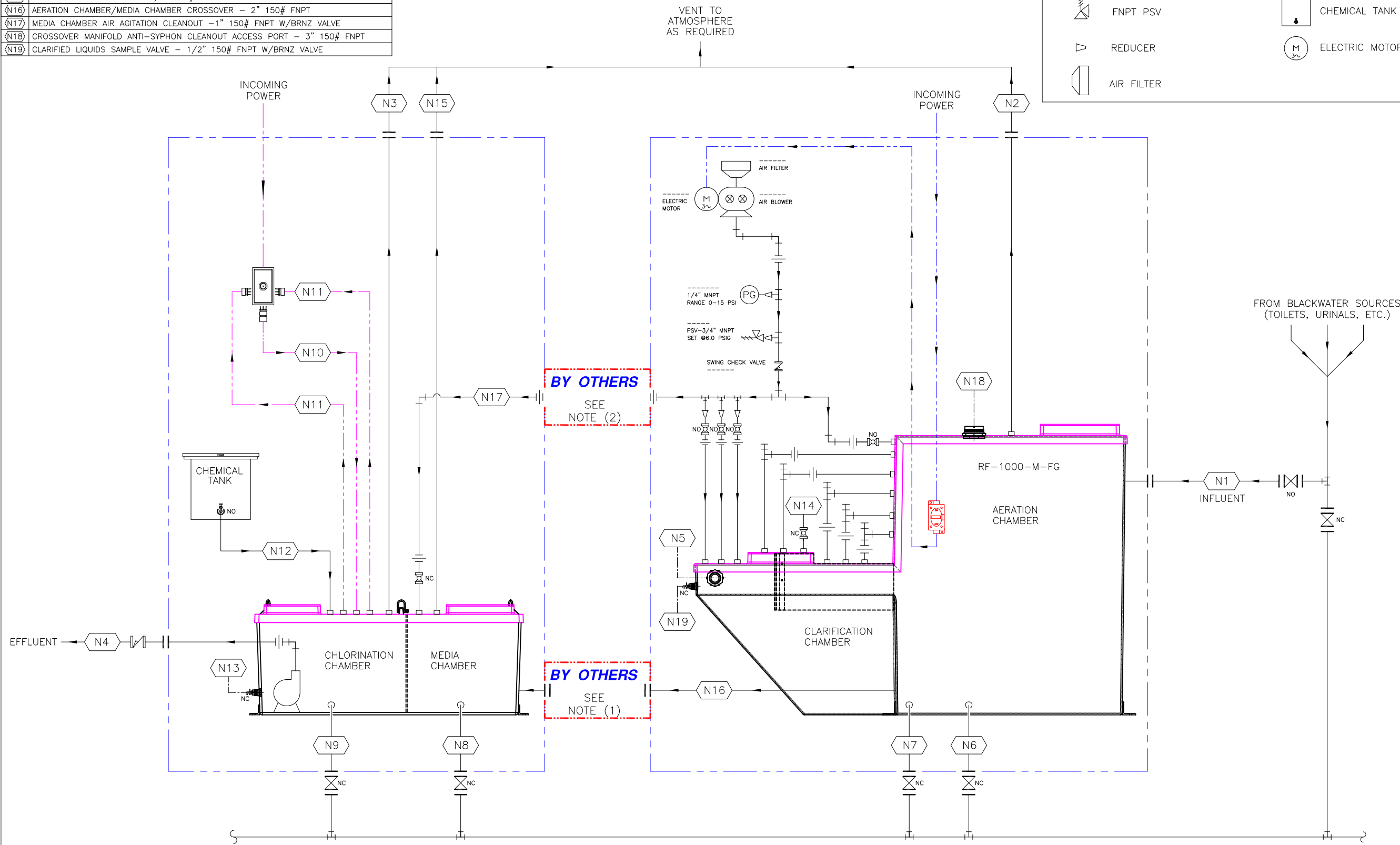


LEGEND

- HOA SWITCH
- BELT DRIVEN AIR BLOWER
- ACCESS HATCH
- PRESSURE GAUGE
- FNPT PSV
- REDUCER
- AIR FILTER
- FNPT SWING CHECK VALVE
- FNPT UNION
- FNPT BALL VALVE
- BLOWER ON/OFF SWITCH
- SUBMERSIBLE DISCHARGE PUMP
- CHEMICAL TANK
- ELECTRIC MOTOR

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DATE	REVISION DESCRIPTION	REV. NO.	APPROVED FOR CONSTRUCTION	DATE	REV. NO.
11/04/14	APPROVED FOR CONSTRUCTION				



BY OTHERS
SEE NOTE (2)

BY OTHERS
SEE NOTE (1)

MODEL: RF-1,000-M-FG
 MARINE SANITATION DEVICE TYPE II
 U.S.C.G. CERTIFICATION NUMBER: 159.015/10137/0



ENVIRONMENTAL SERVICES, INC.

PROJECT ENGINEER: JDE
 DRAWN BY: BMR
 DATE: NOV/04/2014
 SCALE: NONE
 DRAWING NUMBER: RF-1000-M-FG 001
 REVISION NUMBER:

TITLE: RED FOX RF-1,000-M-FG STANDARD WITH PUMP DISCHARGE PIPING & INSTRUMENTATION DIAGRAM