- GENERAL NOTES

  1. THE DRAWINGS DEPICTED HEREIN REPRESENT PRELIMINARY LAYOUTS OF A WASTEWATER TREATMENT SYSTEM CAPABLE OF TREATING THE DOMESTIC WASTE CONSTITUENTS NOTED IN TABLE 1
- IN TABLE 1.

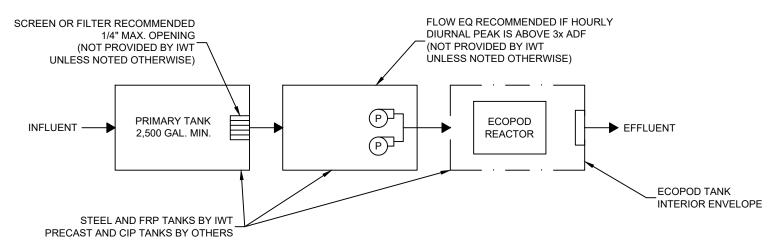
  ECOPOD REACTOR BOX SHALL BE CONSTRUCTED OF AISI 304/304L STAINLESS STEEL.

  TANK MATERIAL OPTIONS:
  3.1. CARBON STEEL PER ASTM A36 W/COATING PER IWT STANDARDS,
  3.2. FIBERGLASS REINFORCED PLASTIC (FRP) (NOT ALL MODELS),
  3.3. PRECAST CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,
  3.4. CAST-IN-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,
  3.4. CAST-IN-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,

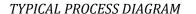
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  3.2. FIBERGLASS REINFORCED PLASTIC (FRP) (NOT ALL MODELS),
  3.3. PRECAST CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,
  3.4. CAST-IN-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS.
  BLOWERS, WEIRS, CONTROL PANELS, AND VARIOUS SMALL PARTS WILL BE SHIPPED UNASSEMBLED AND SECURELY PACKAGED, TO BE INSTALLED BY CONTRACTOR.
  SEE INSTALLATION GUIDE FOR INSTALLATION DETAILS.
- $6. \quad \text{CONTACT AN IWT REPRESENTATIVE REGARDING DEVIATIONS FROM THESE STANDARDS}. \\$

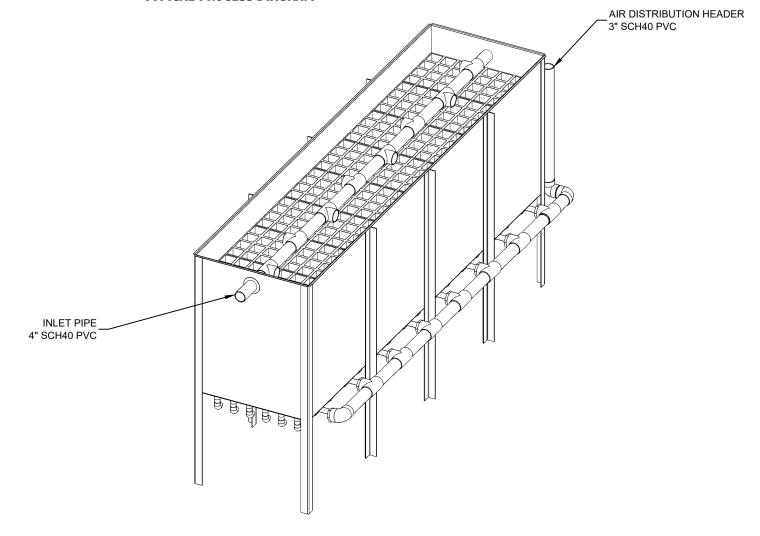
TABLE 1 PROCESS PARAMETERS IWT E500D BOD+NITRIFICATION			
PARAMETER	MINIMUM	MAXIMUM	
AVERAGE DAILY FLOW	-	5,000 GPD	
PEAK DAILY FLOW	-	7,500 GPD	
INFLUENT BOD₅	-	12.5 LB/DAY	
AIR TEMPERATURE	-	115 °F	
WATER TEMPERATURE	68 °F	68 °F	
RELATIVE HUMIDITY	10%	90%	
SITE ELEVATION	0 FT AMSL	3,000 FT AMSL	

TABLE 2 AIR DEMAND			
PARAMETER	UP TO 1,000 FT AMSL	1,000 TO 3,000 FT AMSL	
STANDARD AIRFLOW	115 SCFM	133 SCFM	
SITE AIR REQUIREMENT	129 ICFM	160 ICFM	
BLOWER INLET AIR	169 ICFM	169 ICFM	
AIR HEADER SIZE	3 IN	3 IN	
MIN. TANK VENT X-SECT. AREA	69.5 IN <sup>2</sup> 2 EA 8" OR 1 EA 10"	69.5 IN <sup>2</sup> 2 EA 8" OR 1 EA 10"	
BLOWER SELECTION	FPZ K06-MS	FPZ K06-MS	
NOISE LEVEL	73.3 dB(A)	73.3 dB(A)	
AIR TEMPERATURE RISE <sup>1</sup>	32 F (17.8 C)	32 F (17.8 C)	
BLOWER INLET DIAMETER	2 IN NPT	2 IN NPT	
BLOWER OUTLET DIAMETER	2 IN NPT	2 IN NPT	
MOTOR POWER RATING <sup>2</sup>	4 HP	4 HP	
OPERATING POWER	2.6 KW	2.6 KW	









ECOPOD REACTOR LAYOUT 1

	DESCRIPTION	INITIALS	DATE	NO.
	ADDED TRIMETRIC VIEW	AOB	10/12/21	Α
COPYRI				
ORGAN				
INPUT I				

**Infiltrator** Part of **ADS**  INFILTRATOR WATER TECHNOLOGIES, LLC 4 BUSINESS PARK RD, OLD SAYBROOK, CT 06475

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ECOPOD E500D-N	l
STANDARD DESIGN FOR BOD AND NITRIFICATION	l

THE BEGIGITT GIT BOB / IND NITTAIN TO/THON	
GENERAL ARRANGEMENT	
DESIGN OVERVIEW	

HORIZ. SCALE	PROJECT NO.
N/A	N/A
VERT. SCALE	DATE
N/A	02/11/2021
DRAWN BY	DESIGNED BY
CGK	AOB
DRAWING NO.	SHEET NO.
C1.0	01 of 02

GENERAL NOTES
1. ECOPOD REACTOR BOX SHALL BE CONSTRUCTED OF AISI 304/304L STAINLESS STEEL.
2. TANK MATERIAL OPTIONS:

CARBON STEEL PER ASTM A36 w/COATING PER IWT STANDARDS.

- FIBERGLASS REINFORCED PLASTIC (FRP) (NOT ALL MODELS),
  PRECAST CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,
- 2.4. CAST-IN-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS. SEE INSTALLATION GUIDE FOR INSTALLATION DETAILS. CONTACT AN IWT REPRESENTATIVE REGARDING DEVIATIONS FROM THESE STANDARDS.

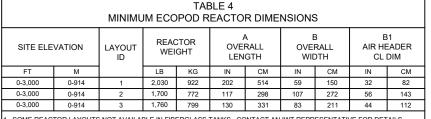
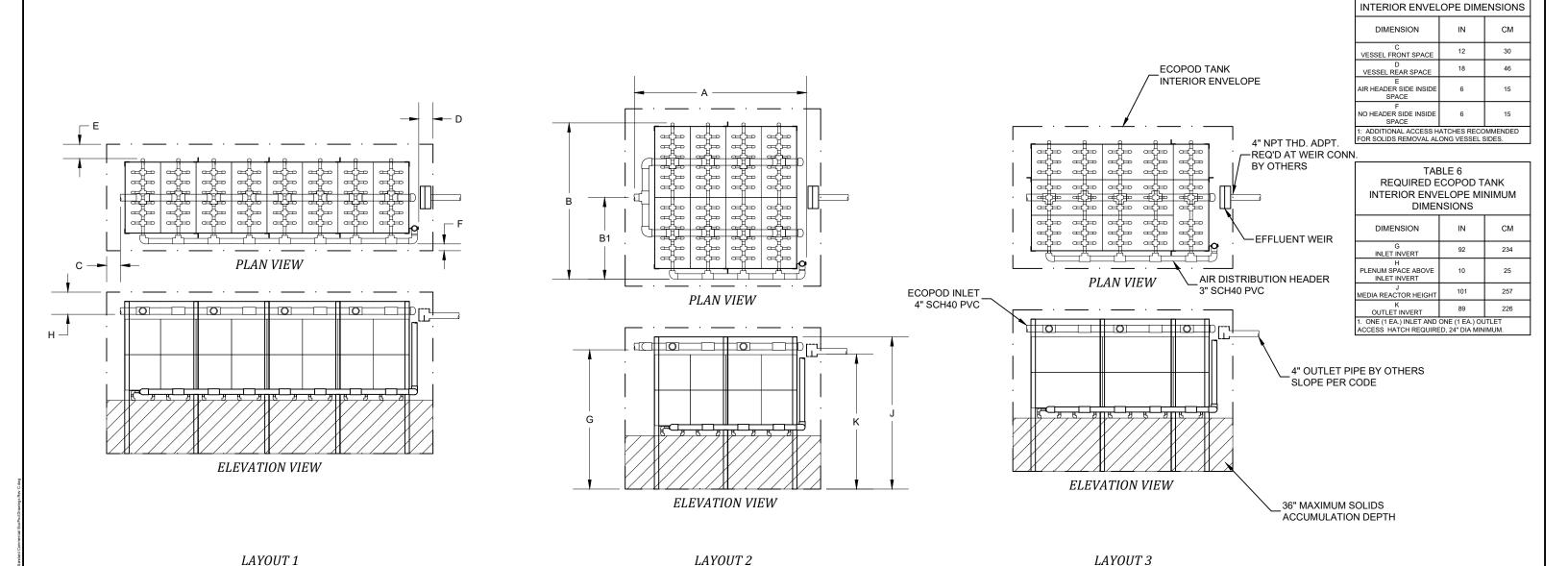


TABLE 5 RECOMMENDED ECOPOD TANK

SOME REACTOR LAYOUTS NOT AVAILABLE IN FIBERGLASS TANKS. CONTACT AN IWT REPRESENTATIVE FOR DETAILS.



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	HORIZ. SCALE	PROJECT NO.
ECOPOD E500D-N	N/A	N/A
CTANDADD DECICN FOR BOD AND NITDIFICATION	VERT. SCALE	DATE
STANDARD DESIGN FOR BOD AND NITRIFICATION	N/A	05/18/2021
	DD AMAIL DV	DEGIGNIED DV

**GENERAL ARRANGEMENT** LAYOUT DIMENSIONS

	N/A	N/A
	VERT. SCALE	DATE
	N/A	05/18/2021
_	DRAWN BY	DESIGNED BY
	CGK	AOB
	DRAWING NO.	SHEET NO.
	C1.1	02 of 02