- 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),

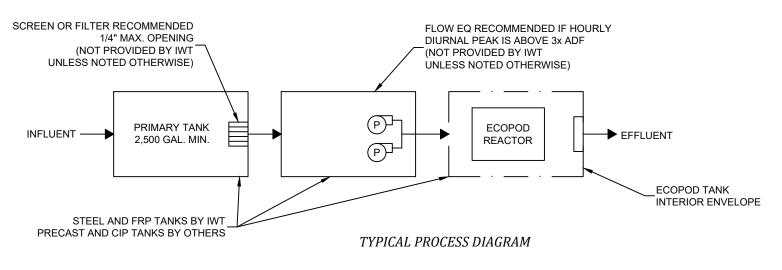
 3.3. PRECAST CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,

 3.4. CAST-IN-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,
- 3.1. CARBON STEEL PER ASTM ASØ W/COATINE) PER IWI 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.
 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. CONTACT AN IWT REPRESENTATIVE REGARDING DEVIATIONS FROM THESE STANDARDS.

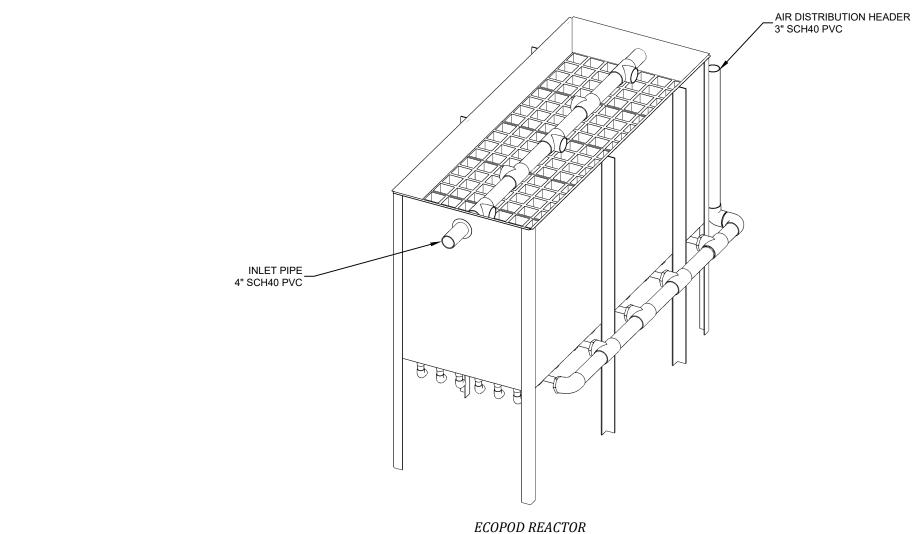
TABLE 1 PROCESS PARAMETERS IWT E500D BOD ONLY		
PARAMETER	MINIMUM	MAXIMUM
AVERAGE DAILY FLOW	-	5,000 GPD
PEAK DAILY FLOW	-	7,500 GPD
INFLUENT BOD ₅	-	12.5 LB/DAY
AIR TEMPERATURE	-	115 °F
WATER TEMPERATURE	68 °F	68 °F
RELATIVE HUMIDITY	10%	90%
SITE ELEVATION	0 FT AMSL	3,000 FT AMSL

TABLE 2 AIR DEMAND		
PARAMETER	UP TO 1,000 FT AMSL	1,000 TO 3,000 FT AMSL
STANDARD AIRFLOW	61 SCFM	71 SCFM
SITE AIR REQUIREMENT	68 ICFM	85 ICFM
BLOWER INLET AIR	67 ICFM	116 ICFM
AIR HEADER SIZE	3 IN	3 IN
MIN. TANK VENT X-SECT. AREA	27.6 IN ² 1 EA 6"	47.7 IN ² 2 EA 6" OR 1 EA 8"
BLOWER SELECTION	FPZ SCL K04-MS	FPZ SCL K05-MS ³
NOISE LEVEL	65.0 dB(A)	70.8 dB(A)
AIR TEMPERATURE RISE ¹	41 F (22.8 C)	33 F (18.3 C)
BLOWER INLET DIAMETER	1.5 IN NPT	2 IN NPT
BLOWER OUTLET DIAMETER	1.5 IN NPT	2 IN NPT
MOTOR POWER RATING ²	2 HP	3 HP
OPERATING POWER	1.1 KW	1.7 KW

- REVIEW BLOWER MANUFACTURER CUTSHEETS FOR ADDITIONAL ELECTRICAL INFORMATION.
- 3. USE ALTERNATIVE BLOWER GARDNER DENVER 2L ON HIGH ELEVATION RANGE IF REQUIRED. SEE CALCULATIONS FOR DETAILS.







	DESCRIPTION	INITIALS	DATE	NO.
	ADDED TRIMETRIC VIEW	AOB	10/12/21	Α
- 4				
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Infiltrator Part of **//ADS** INFILTRATOR WATER TECHNOLOGIES, LLC 4 BUSINESS PARK RD, OLD SAYBROOK, CT 06475 WWW.INFILTRATORWATER.COM

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LAYOUT 1

STANDARD DESIGN FOR BOD REDUCTION	
GENERAL ARRANGEMENT	_
DESIGN OVERVIEW	

ECOPOD E500D

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.

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PLAN VIEW

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ELEVATION VIEW

LAYOUT 1

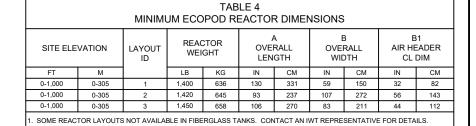
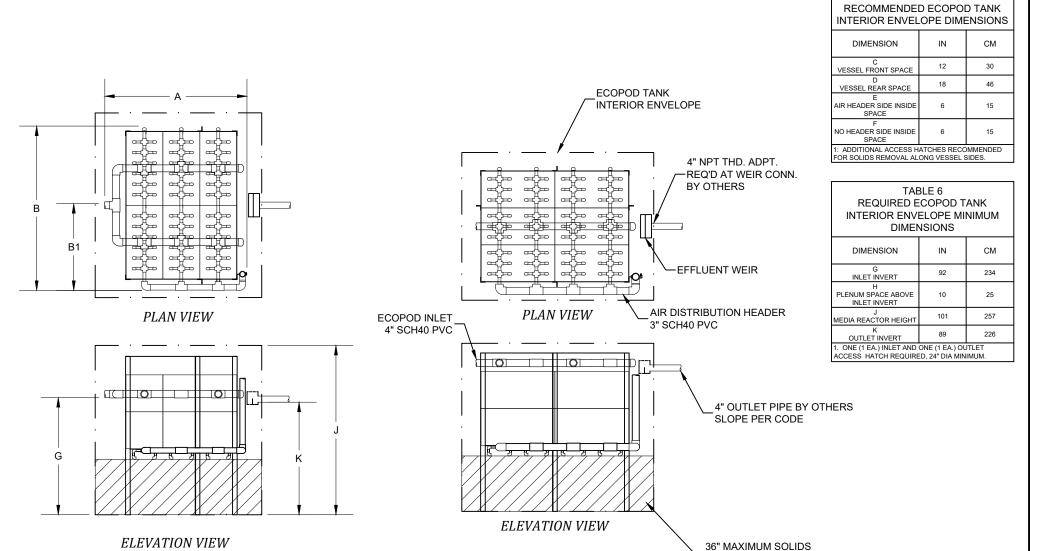


TABLE 5



LAYOUT 3

	TE INITIALS DESCRIPTION	DATE	NO.
l /			
4			

Infiltrator	
Water Technologies	
Part of ///ADS	

LAYOUT 2

INFILTRATOR WATER TECHNOLOGIES, LLC 4 BUSINESS PARK RD, OLD SAYBROOK, CT 06475 WWW INFILTRATORWATER COM PHONE: (800) 221-4436 / EMAIL: INFO@INFILTRATORWATER.COM

ECOPOD E500D			
STANDARD DESIGN FOR BOD REDUCTION			

GENERAL ARRANGEMENT LAYOUT DIMENSIONS

ACCUMULATION DEPTH

HORIZ. SCALE	PROJECT NO.
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

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