Enviro-Septic® Wastewater Treatment System DESIGN CRITERIA WORKSHEET  Manufactured by Presby Environmental, Inc. (800) 473-5298  Distributed in Indiana exclusively by Environmental Septic Solutions, Inc. (812) 457-3144										
DESIGNED BY:						INSTALLED BY:				
Name:						Name:				
Company:						Company:				
Address:						Address:				
Telephone:						Telephone:				
PEI Cert. #:						PEI Cert. #:				
SYSTEM OWNER(S):						SITE IDENTIFICATION:				
Name:					Address:					
Address:					Town:					
						Map/Lot:				
						Permit #:				
Telephone:					County:					
Note: Presby Environmental, Inc. and Environmental Septic Solutions, Inc. strongly recommend the completion of these worksheets for all system designs to assure proper design criteria are utilized. Completed documentation to be retained by Designer, with copies provided to the Installer, system owner and the local health officer.										
Instructions to Designer: Complete all white sections by filling in blanks or circling										
Indiana Soil Loading Rate (IN-SLR GPD/sf) circle one	0.25	0.30	0.50	0.60	0.75	1.20	Attac	h Site/Soil Evaluation Report.		
Presby Soil Loading Rate (PR-SLR GPD/sf) circle one	0.37	0.45	0.75	0.90	1.12	1.20		efer to Table B in manual.		
Number of Bedrooms (determines system size)	Sizing charts assume 150 gallons per # of bedrooms x 150 gallons per day = (Add 1 bedroom for each jetted tub 12				Daily Design Flow		Bei GPD	Daily Design Flow drooms x 150 =		
Required Minimum Separation Distance to SHWT or Limiting Layer (Circle 24 inches or 30 inches)					<b>30 INCHES</b> Design Flow ≥ 450 GPD per Bed)		Measured from the sand bed bottom/soil interface. It is acceptable to divide flows greater than or equal to 450 GPD into multiple beds in order to use 24" separation distance.			
Vertical Orientation of System (circle one)					ELEVATED filtrative surface < 4" elow original grade)		It is <u>always</u> preferable to raise the bed when a SHWT is encountered; however, a perimeter drain may still be required.			
Type of System (circle one)	GRAVITY FED			F	FLOOD DOSED		Flood dose frequency: minimum=design flow ÷6 Maximum design flow ÷ 8 (per day)			
Configuration (circle one)	BASIC SERIAL (0.25 – 1.20 PLR GPD/sf)				<b>COM</b> (0.25 – 1.	I <b>BINATIO</b> I 20 PLR G	PD/sf)	NON-CONVENTIONAL (0.60 PLR GPD/sf or faster)		
Site Slope / System Slope	LEVEL (0-1/2%) SL			.OPING				ope for elevated systems lope for subsurface systems		
Depth to Limiting Layer	inches				Depth to SHWT =			inches		
Perimeter Drain included? (Req'd. if SHWT is less than 24 in. from infiltrative surface)	YES NO (circle one)			Minimum Drain Deptl			ain Depth =	inches		

Presby Design Criteria Worksheet, page 2									
System Sand Bed Area =		System Sand Bed L							
(from Table B)	sq ft min.	(from Tab		ft min.					
Row (line) Length min. =	ft	Bed Bottom at high original grade	est elevation of						
Now (inie) Lengur IIIII. –	(SSBL -2 ft)			inches below grade					
High Vent from d-box?	YES NO	Flood dosed: High vent off d-box is required.  Gravity: House (roof) vent is the high vent; no vent off d-box.							
riigii vent iroin a-box :	(circle one)	Low vent required f	or ALL systems.						
	(**************************************	Note: 10 ft. min. differential between. High and Low vent inlets.							
Distribution Box included?	YES NO	D-box to be installed on stable, compacted base. Insulate d-box in pumped systems to prevent freezing. Flow equalizers required. If dividing							
	(sinala ama)	flow to multiple section							
Minimum Dracky mine	(circle one)	,	Amount of pipe required is based on the # of						
Minimum Presby pipe required		BY PIPE REQUIRED	bedrooms and the Presby pipe selected (AES,ES or SS)						
Paur (Lina) Laureth wood =	(From Table A)								
Row (Line) Length used = (Maximum row length is 100 ft)	FT ROW (LIN		Ideal system shape is as long & narrow as the site will allow.						
(gararan	(minimum row length = minimum s	System Sand bed – 2 ti	)						
Total Number of Rows used	FT PIPE REQ'D. ÷ R	OW LGTH=	All systems/b	All systems/beds require a minimum of 2 rows					
	MIN. NUMBER OF	ROWS		st to work with 10 ft. increments.					
	(Round UP if result is not a whole								
Determine System Sand bed	FT MIN. + 2 FT. =	FT SYSTEM SAN		Bed length is always 2 ft more than minimum					
length (SSBL) used		LENGTH	row (line) length.						
Determine System Sand bed width minimum	SSBA ÷	FT SSBL used	= System Sand	System Sand always extends 1 ft horizontally					
	ET CVCTEM CANI	D DED WIDTH (CCDW	beyond pipe ends.						
	SPACING IS FIXED	D BED WIDTH (SSBW AT 1.5 FT		5.4					
Center- to-Center Row Spacing	(level fields: center rows in mid		Distance from the center of one row to the center of the adjacent row.						
	(sloping fields: group rows at h	igri side di sand bed)	Multiple beds can be used to accommodate site constraints. Bed loading limit is 750 GPD; divide daily design flow by 750 to determine number of beds. It is acceptable to divide flows greater than 450 GPD into multiple beds in order to use 24 inches required separation distance rather than 30 inches.						
Determine if Multiple Beds	VEC	NO							
are required	YES (circle one	NO )							
(Note: each bed must receive an equal amount of effluent.)	If "Voo". #	of Bodo Bossisod							
	If "Yes":#	of Beds Required							
	END-TO-END S	SIDE-TO-SIDE	End-to-End beds separated by a min. of 4ft.						
If Multiple Beds are required, determine layout	(circle one)	SIDE-10-SIDE		undisturbed soil. Side-to-Side beds separated by a minimum of					
required, determine layout	Note: End-to-End configurations	aro proforrod	20 ft.						
Determine depth of System	12 INCHES	6 INCHES	Flevated syst	tems require an additional 6 in. of					
Sand required below pipes		(if subsurface)		below the pipes.					
PROPOSED SYSTEM SUMMARY OF DESIGN CRITERIA :  DESIGN CRITERIA: REQUIRED MINIMUM ACTUAL PROVIDED IN DESIGN									
Total Presby Pipe (ft.)	REQUIRED MINIMUM  FT		FT						
Row (Line) Lengths	FT FT								
Numbers of Rows (Lines)	гі			1 1					
Center-to-Center Spacing	FT		FT						
Number of Beds	'			1 1					
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## Presby Design Criteria Worksheet, page 3 By signing below, Designer confirms dimensions have been written in on the appropriate (one) cross section on the attached page and a copy of the plan or a sketch of the plan is attached to this worksheet. Designer further confirms that a copy of the completed worksheet has been provided to the installer, system owner, and local health officer. Dated: \_\_\_\_\_ Signed: (Print Name Here: ) PEI Cert. #: \_\_\_\_\_\_ In the space below, sketch the Enviro-Septic® System design, including references to structures or other benchmarks to indicate system location on the site. Indicate "As Built" changes. Retain a copy with system documentation and provide a copy to the System Owner. \* NOT TO SCALE UNLESS NOTED\*

## CHOOSE CROSS-SECTION THAT APPLIES AND PROVIDE REQUIRED INFORMATION

