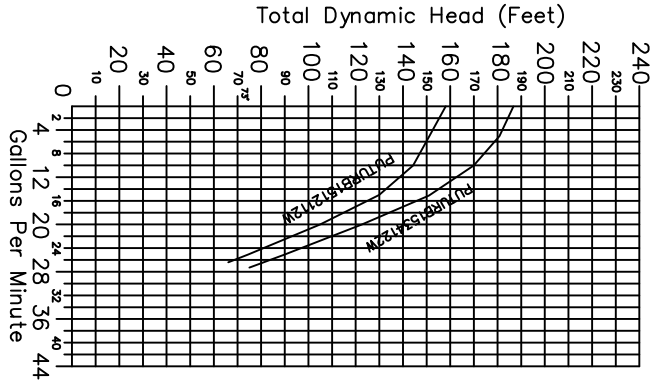


15 GPM



DIRECTIONS TO SITE:

COOL GUIDE PUMP INSTALLATION INSTRUCTIONS

1. Measure the distance from the bottom of the tank to 6" down from the top of the riser. Cut the extension pipe (by others) to the length necessary to reach this height. Cut 1/2 of the pipe down 12" to 18" away from the top of the pipe for pump discharge pipe.
2. Glue the extension coupling (by others) to the extension pipe and to the Cool Guide.
3. For repairs: glue on the Cool Guide flat cap and place the Cool Guide firmly in the bottom of the tank.
4. Attach the extension: Anchor the flat cap to the bottom of the tank in the proper location to hold Cool Guide and extension. The cap may or may not be glued to the device. Attach the extension to the riser with the anchors as shown.
5. Place the pipe dope on the Cool Guide adapter threads and thread them into pump discharge.
6. Glue pipe into flow collar and with pump attached, lower into the guide tube.
7. Attach to discharge pipe, valves, and connect electrical as specified.

15 GPM @ 125 FT
BACKWASH TDH

- PUTURB1512112W 1/2HP, 115V, 1PH, 2WIRE
- PUTURB1512122W 1/2HP, 230V, 1PH, 2WIRE
- PUTURB1534122W 3/4HP, 230V, 1PH, 2WIRE

CONTENTS:

- Page 1 Cover Sheet
- Page 2 Site Layout Plan
- Page 3 Hydraulic Profile, Calculations & Pump Tank Details

I hereby certify that the evaluations and designs contained herein (refer to subdivision , lot, etc.) were conducted in accordance with the "Regulations" Furthermore, I certify that the evaluations and designs comply with the minimum requirements of the regulations.

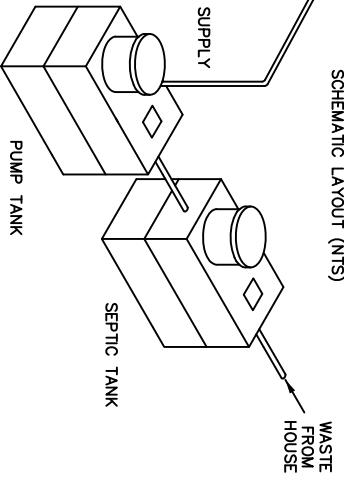
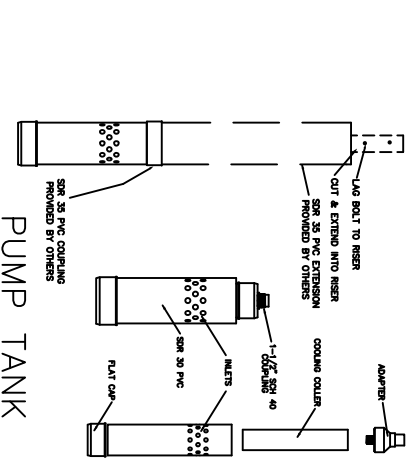
I recommend a _____ be _____

Licensed PE: _____ Date _____

SPECIFICATION

The laminar flow collar shall be made of non-corrosive, glueable PVC and have sufficient flow in the outer guide tube to assure laminar flow for the rated capacity. The inner flow collar shall extend near the bottom to provide sufficient cooling flow for the motor. The dimension between the inner collar and the pump motor shall not restrict flow to the pump intake, but will provide for scouring of surfaces. The laminar flow collar shall be a "Cool Guide" as manufactured by American Manufacturing Company, Inc. Patent Pending.

Patent No. 6,262,689



SEPTIC EFFLUENT TO TIMED DOSED D-BOX GRAVITY DF

SCOPE: Household Sewage with flow by gravity through a septic tank where primary settling occurs. From the septic tank septic effluent will flow by gravity to a pump tank. The pump shall be a sewage effluent turbine pump utilizing a float arrangement that shall time dose a gravity distribution box at the drainfield. The D-box shall be time dosed as specified in the pump set up calculations on sheet 3 of 3.

_____ has designed the pump system for the specific site in accordance with findings recommendations with the site evaluator/soils evaluator, who is the consultant for the owner. American's pre-engineered system has been selected for the site by the owner's representative. American only certifies the system mechanical application for this site and makes no representation for soil suitability or other site engineering code requirements.

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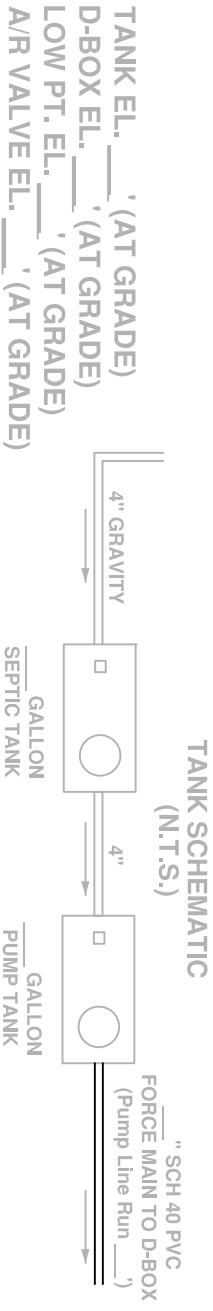
PROJECT NAME :	DRAWN BY :	DATE:
	CHECKED:	DATE:
	APPROVED:	DATE:
TITLE :		

COUNTRY : _____

COVER SHEET

SITE MAP

SCALE: 1" = ___'



File: _____

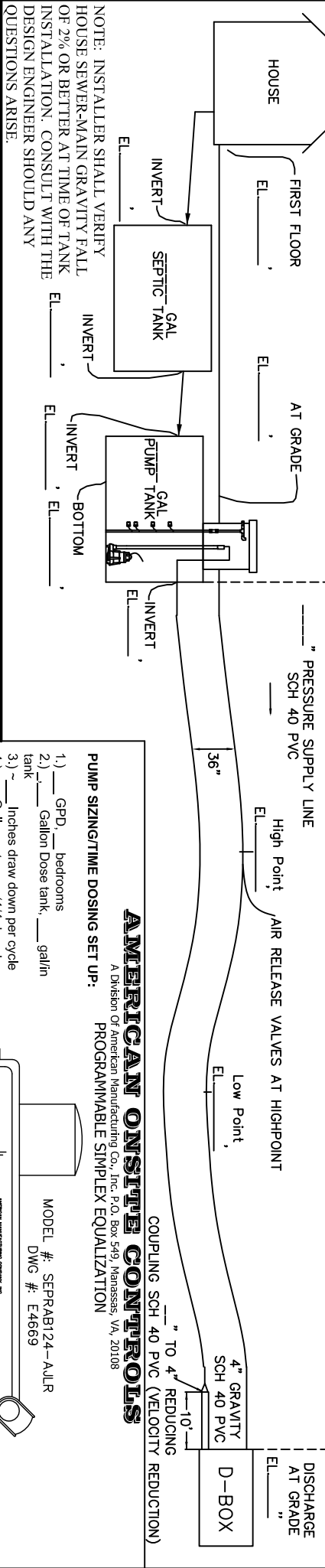
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	APPROVED:	DATE:
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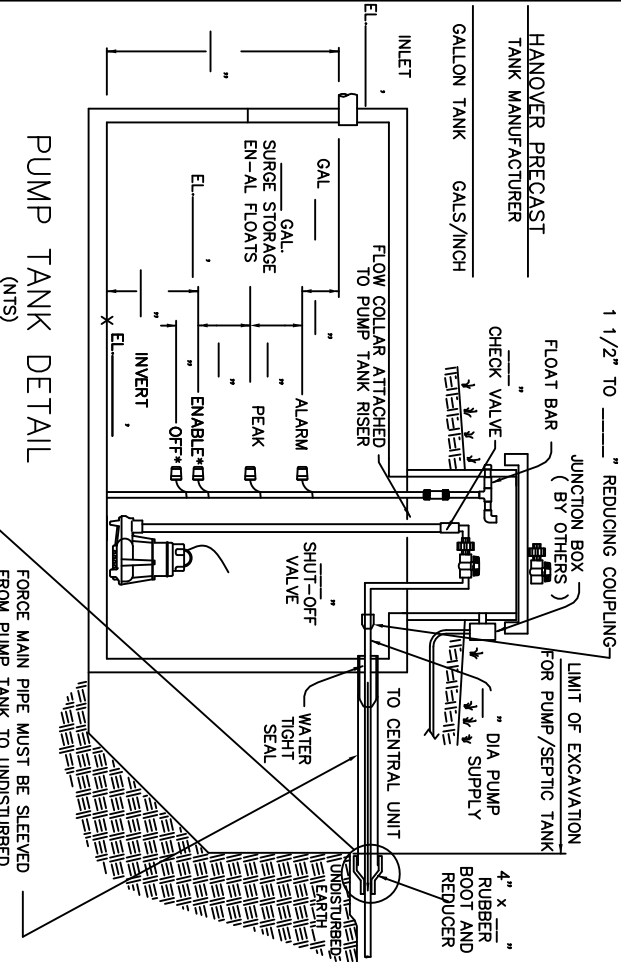
SITE LAYOUT PLAN

SCALE : NTS SHEET: 2 OF 3

HYDRAULIC PROFILE (NTS)

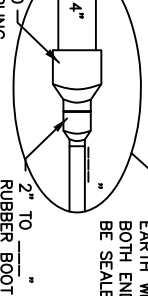


NOTE: INSTALLER SHALL VERIFY HOUSE SEWER-MAIN GRAVITY FALL OF 2% OR BETTER AT TIME OF TANK INSTALLATION. CONSULT WITH THE DESIGN ENGINEER SHOULD ANY QUESTIONS ARISE.



NOTE: BLUE FLOATS = OFF/EN YELLOW FLOATS = PEAK/AL

4" TO 2" SCH. 40 PVC REDUCING COUPLING



PUMP TANK DETAIL (NTS)

FORCE MAIN PIPE MUST BE SLEEVED FROM PUMP TANK TO UNDISTURBED EARTH WITH 4" SCH 40 PVC AS SHOWN. BOTH ENDS OF 4" PIPE SHOULD BE SEALED.

AMERICAN ONSITE CONTROLS

A Division Of American Manufacturing Co., Inc. P.O. Box 549, Manassas, VA, 20108

PROGRAMMABLE SIMPLEX EQUALIZATION

MODEL #: SEPRAB124-ALLR
DWG #: E4669

- PUMP SIZING/TIME DOSING SET UP:**
- 1.) _____ GPD, _____ bedrooms
 - 2.) _____ Gallon Dose tank, _____ gallon tank
 - 3.) _____ Inches draw down per cycle
 - 4.) _____ Gallons storage (1/4 day above alarm min.)
 - 5.) _____ Feet Static Lift (PUMP TO D-BOX)
 - 6.) 1 1/2 Inches diameter discharge pipe, _____ Inch diameter Force Main (Supply Line)
 - 7.) _____ Feet Equivalent Length of Pipe Total (ACTUAL FEET OF SUPPLY)
 - 8.) _____ Feet of Total Dynamic Head (TDH) @ _____ gpm.
 - 9.) _____ Feet of Total Dynamic Head (TDH) @ _____ gpm.
 - 10.) Specified Pump: Make: American, Model: PUTURB1512112W
 - 10a. Pump Operating Point: _____ GPM @ _____ TDH.
 - (115 Volts, 1 Phase, 1/2 HP)

- 11.) TIME DOSING: _____ GPM.
- 12.) AVERAGE CYCLES, _____ GAL/DOSE
- 13.) PEAK CYCLES, _____ GAL/DOSE
- 14.) (~60% vol of DF lines per dose)
- 15.) Volume of supply line from pump to D-box: _____ Gal.
- 16.) Number of Cycles to fully evacuate supply line: _____
- 17.) Velocity of effluent in _____ supply line at operating gpm: _____ fps @ _____ gpm

AVAILABLE MODEL SIZES:

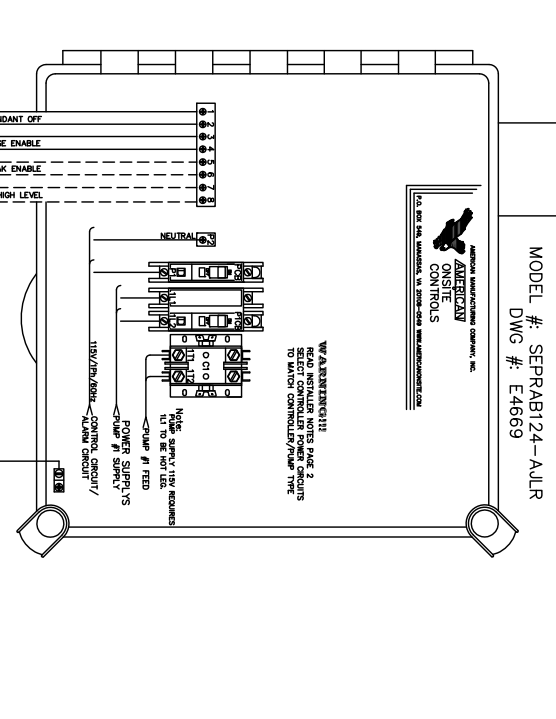
ITEM NO. DESCRIPTION

SEPR-84672 SIMPLEX EQUALIZATION WITH PROGRAMMABLE TIMER AND 24HR CLOCK

DEPR-84678 SIMPLEX EQUALIZATION WITH PROGRAMMABLE TIMER AND 24HR CLOCK

SEPR-84669 SIMPLEX EQUALIZATION REPEAT CYCLE TIMER (MULTIFUNCTION)

DEPR-84666 DUPLEX EQUALIZATION REPEAT CYCLE TIMER (MULTIFUNCTION)



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PROJECT NAME: _____

DRAWN BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

TITLE: _____

HYDRAULIC PROFILE
PUMP DETAILS
SETUP
CALCULATIONS

COUNTY: _____

SCALE: NTS

SHEET: 3 OF 3