

REMO & DONNA PIZZAGALLI

LOT NO. 3
8.63 ACRES

PROPOSED MOUND SYSTEM

LOT NO. 2
5.32 ACRES

EXIST. DRILLED WELL

DESKTOP HYDRO ANALYSIS

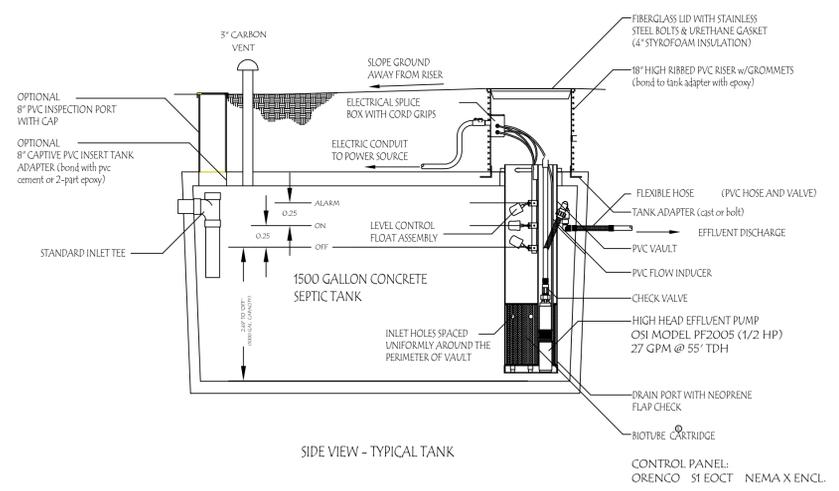
SLOPE (F) = 18%
TRANS. LAYER (H) = (12'-6") = 6"
LLR = H X F = 0.5 X 26.2 (FSD) = 13.1
FLD. LENGTH (L) = 490/13.1 = 37.4'

DESIGN CRITERIA

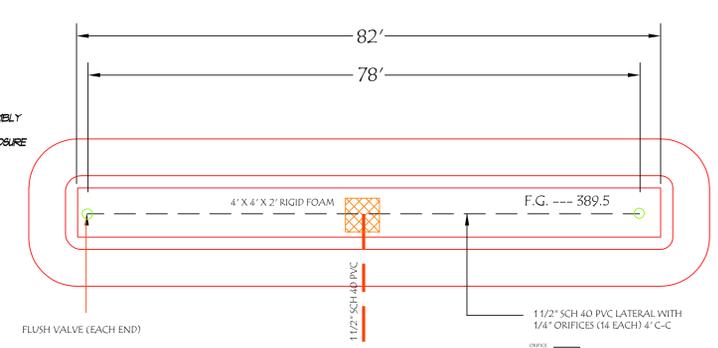
490 GALLONS PER DAY (GPD) (4 BR. HOUSE)
490 GPD/1.0 GALLONS PER SQUARE FOOT = 490 SQUARE FEET (SF)
490 SF/ 6 SF PER LINEAR FOOT = 82 LINEAR FEET
USE SEEPAGE BED, 6' WIDE x 82' LONG (> DESKTOP MINIMUM)

STEP (SEPTIC TANK EFFLUENT PUMP) SYSTEM

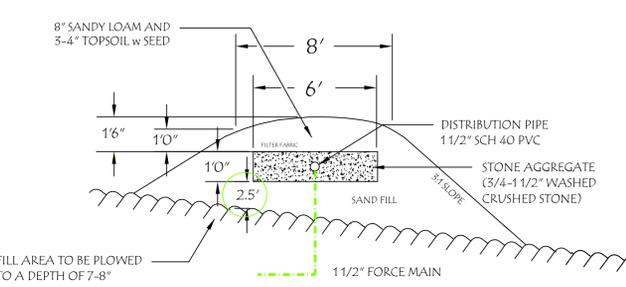
PUMP COMPONENTS: WASTEWATER TECHNOLOGIES, 893-2401/869-3219



SIDE VIEW - TYPICAL TANK



SEEPAGE BED MOUND PLAN nts



SEEPAGE BED MOUND SYSTEM nts

MOUND SYSTEM CONSTRUCTION SPECIFICATIONS

- NO CHANGE FROM THESE PLANS WILL BE ALLOWED WITHOUT SECURING AN AMENDMENT TO THE APPROVAL.
- ARRANGEMENTS MUST BE MADE TO HAVE THE SYSTEM INSPECTED DURING SEVERAL PHASES OF THE CONSTRUCTION. A LETTER OF COMPLETION WILL NOT BE ISSUED UNLESS THE INSPECTIONS HAVE BEEN FULFILLED.
- CONSTRUCTION OF THE MOUND WILL OCCUR AS FOLLOWS:
 - ALL TREES WITHIN 15' OF THE MOUND "FOOTPRINT" SHALL BE CUT FLUSH WITH THE GROUND.
 - THE FORCE MAIN SHALL BE INSTALLED TO A POINT BELOW THE MIDDLE OF THE MOUND WITH A RISER INSTALLED LOCATED WITH A 4" 90° ELBOW AT THE FITTING ELBOW. THE FORCE MAIN WILL BE PRESSURE TESTED AT 50 PSI (HIGHEST POINT) FOR 2 HOURS.
 - THE ENTIRE FILL SITE WILL BE PLOWED TO A DEPTH OF 8-10 INCHES WITH A WELD ROWER PLOW CASTING THE FURROWS UPHEIL. FILLING IS TO COMMENCE IMMEDIATELY.
 - "MOUND AND TOPSOIL" TO SECTION 100.00 OF THE G.P.S. CHAPTER 1 SPECIFICALLY TYPED 2.01.8.10 (2/2002 EDITION).
 - AFTER PLACEMENT OF THE SAND, THE TRENCHES WILL BE CONSTRUCTED AS SHOWN ON THE DETAILS. THE TRENCHES SHALL BE LEVEL, THEN STONE PLACED TO A DEPTH OF 6 INCHES FOLLOWED BY THE INSTALLATION OF THE LATERAL PIPES WILL BE CONNECTED TO THE MAINLINE BUT NOT GULF.
 - AFTER SECURING THE LATERALS (I.E. STAKES) AND ACTIVATING THE PRESSURE PUMP (PUMP OR SPRING), A PRESSURE DISTRIBUTION TESTS WILL BE PERFORMED WITH THE LATERAL ORIFICES FACING UP. THE RESULTANT WILL BE MEASURED AND NO MORE THAN 5 DIFFERENTIAL WILL BE ALLOWED BETWEEN THE MAINLINE AND ANY DISTAL END OF THE LATERALS.
 - AFTER SUCCESSFUL COMPLETION OF THE TEST, THE ORIFICES WILL BE TURNED DOWN, THE LATERALS GULFED, AND THE REMAINING STONE SHALL BE INSTALLED AND COVERED WITH FILTER FABRIC. ADDITIONAL SAND FILL TOPSOIL WILL BE PLACED ON THE MOUND TO PROVIDE THE REQUIRED DEPTH COVER ON THE TOP AND SIDES. THE ENTIRE MOUND WILL BE TOPSOILED AND REEDED FOLLOWING COMPLETION OF THE FILLING AND GRADING.
 - THE SEPTIC TANK AND LIFT STATION/POISING TANK WILL BE FILLED WITH WATER FOR 24 HOURS. NO LOSS WILL BE ALLOWED. THE TANKS PROVIDED ARE NOT DESIGNED FOR TRAFFIC LOADING.
 - THE LANDOWNER IS RESPONSIBLE FOR ENSURING THAT THE DESIGN LOAD OF THE SYSTEM IS NOT EXCEEDED. FURTHER, THE OWNER IS REQUIRED TO PUMP THE SEPTIC TANK AND OTHER TANKAGE EVERY THREE (3) YEARS.

REMO PIZZAGALLI
MUTTON HILL ROAD LOT NO. 3 CHARLOTTE, VERMONT
WATER AND WASTEWATER DETAILS
DRAWING NO. 1 OF 1 DATE: 06/10/2017 REV 04/17/2018



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