

## NOTES FOR CONSTRUCTION OF DOWNSTREAM MOUND (4/14/15)

Prior to construction, walk entire footprint of planned mound location to verify that no springs or other water sources exist in the area where the mound will be constructed. Dig a 12" deep test hole to verify that 12" of unsaturated soil exists.

Sod must be completely broken or removed in the entire area of the mound.. Plowing is an acceptable method to break the sod. Roto-tilling is unacceptable. Fill material may be needed on top of virgin soil so that there is at least 6" of material with acceptable percolation and at least 12" of unsaturated soil prior to construction of the mound.

Fill material to be sand and gravel. Excessively porous gravel should be avoided. The percolation rate of the fill shall be between 5 and 30 minutes per inch as measured at the borrow location. A percolation test of the fill material shall be conducted at the borrow pit or in the mound after placement and compaction.

Top of cover material over the fill and trenches should be sloped at  $\frac{1}{2}$ " per foot to the sides to shed water. A grass surface shall be maintained.

Pipes are to be installed level. Trench bottoms should have a slope of no more than  $\frac{1}{16}$ " per foot.

End of perforated pipes in the trenches shall be capped.

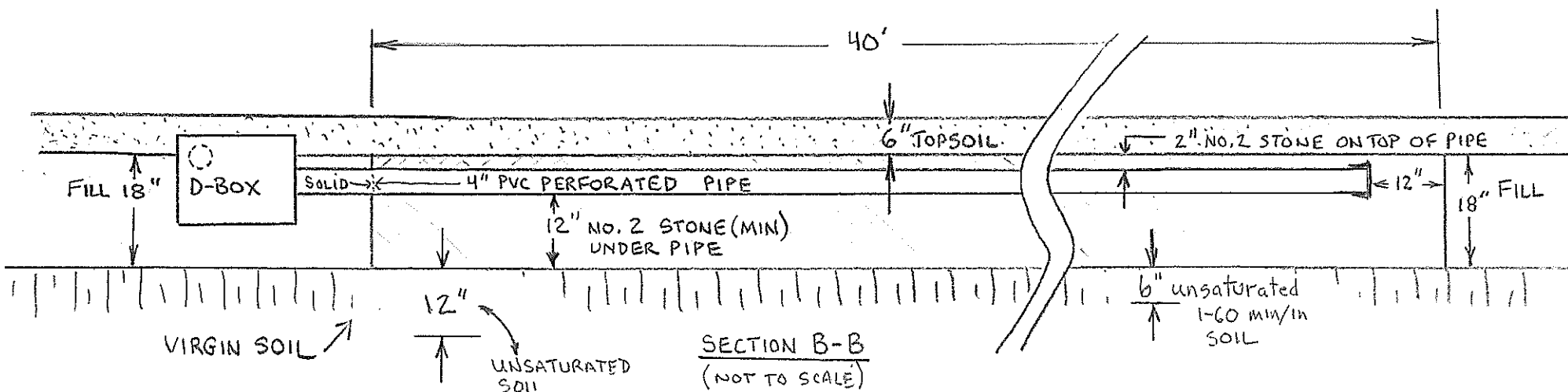
Outlets of the distribution box shall be leveled using speed levelers if necessary.

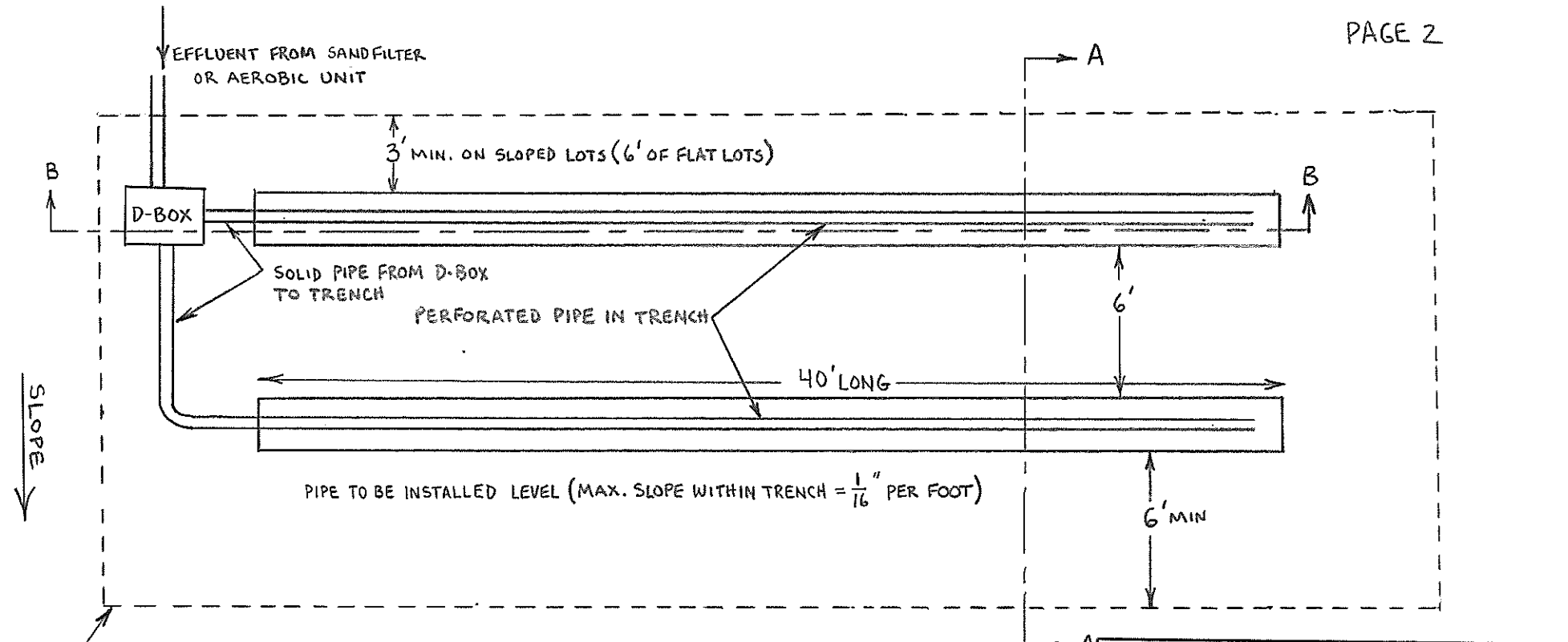
Downstream mound is to be placed so that no part of the mound will be less than 50 feet from the property line.

The downstream mound is not intended for construction in an area where the slope exceeds 10%. On steeper slopes, fill will be required prior to construction to obtain a slope that does not exceed 10% or a seepage fill system could possibly be installed.

On **FLAT** lots, 6 horizontal feet of fill 18 inches thick is required on each side of each trench.

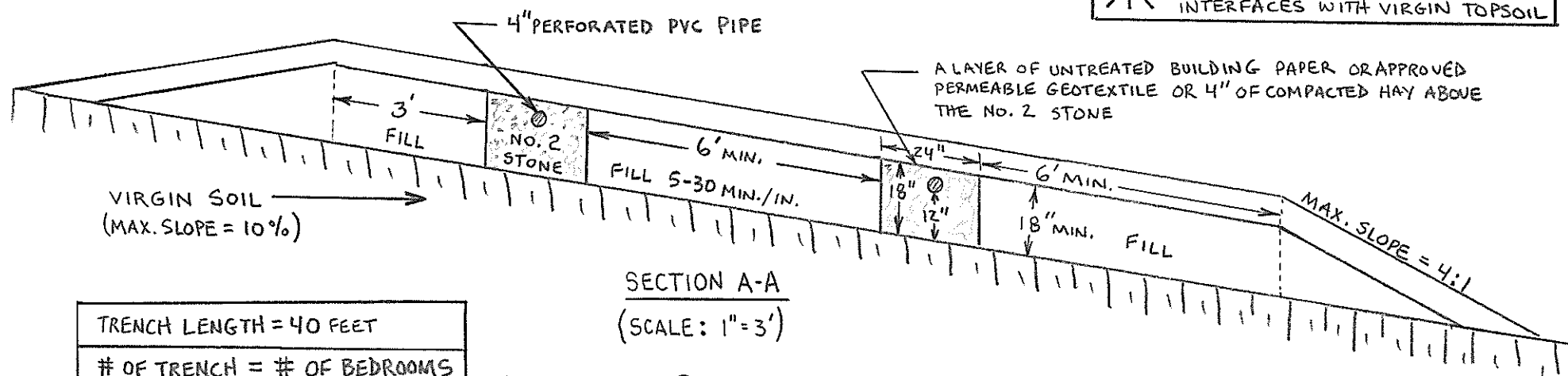
**NOTE: IF YOU INTEND TO USE INFILTRATORS IN DOWNSTREAM MOUND, REQUEST SEPARATE SET OF PLANS SPECIFICALLY FOR INFILTRATORS**





AT LEAST 18" OF FILL (5-30 MINUTE PER INCH) MUST BE PLACED OVER ENTIRE AREA WITHIN DASHED LINE PRIOR TO CONSTRUCTION OF TRENCHES

NOTE: SOD IS TO BE REMOVED AROUND ENTIRE PERIMETER OF SYSTEM WHERE THE "PLACED" TOPSOIL INTERFACES WITH VIRGIN TOPSOIL



TRENCH LENGTH = 40 FEET  
 # OF TRENCH = # OF BEDROOMS

DOWNSTREAM MOUND

(THE DIAGRAM ABOVE DEPICTS A SLOPED INSTALLATION. CONSTRUCTION ON A FLAT LOT WILL BE THE SAME EXCEPT THE 3' HORIZONTAL DIMENSION UPGRADE OF UPPER TRENCH CHANGES TO 6'.)