

PLAN NAME: \_\_\_\_\_

REVIEW: \_\_\_\_\_

## MANOR TOWNSHIP MINOR LAND DISTURBANCE PROJECT APPLICATION

### REQUIRED FEATURE CALCULATION

\_\_\_\_\_ FT<sup>2</sup> Proposed Impervious Surface(s) x (0.50) = \_\_\_\_\_ FT<sup>3</sup> Trench Volume Required

**Example:** Proposed new garage and paved driveway = 1,200 FT<sup>2</sup> of new impervious coverage, therefore the calculation would look like the following:

1200 FT<sup>2</sup> Proposed Impervious Surface(s) x (0.50) = 600 FT<sup>3</sup> Trench Volume Required

Impervious Surface – A surface that prevents the percolation of water into the ground; any structure, surface, or improvement that prevents absorption of water into the ground.

### PROPOSED DESIGN FEATURES

Use the calculated trench volume required amount (FT<sup>3</sup>) to design the infiltration trench. The product of the proposed trench dimension equation needs to be greater than or equal to the trench volume required product above.

Proposed Trench Dimensions: \_\_\_\_\_ LENGTH x \_\_\_\_\_ WIDTH x \_\_\_\_\_ DEPTH = \_\_\_\_\_ FT<sup>3</sup>

**Example:** Proposed new garage and paved driveway = 1,200 FT<sup>2</sup> of new impervious coverage and the required trench volume calculated above = 600 FT<sup>3</sup>, therefore the calculation would look like the following:

Proposed Trench Dimensions: 20' LENGTH x 10' WIDTH x 3' DEPTH = 600 FT<sup>3</sup>

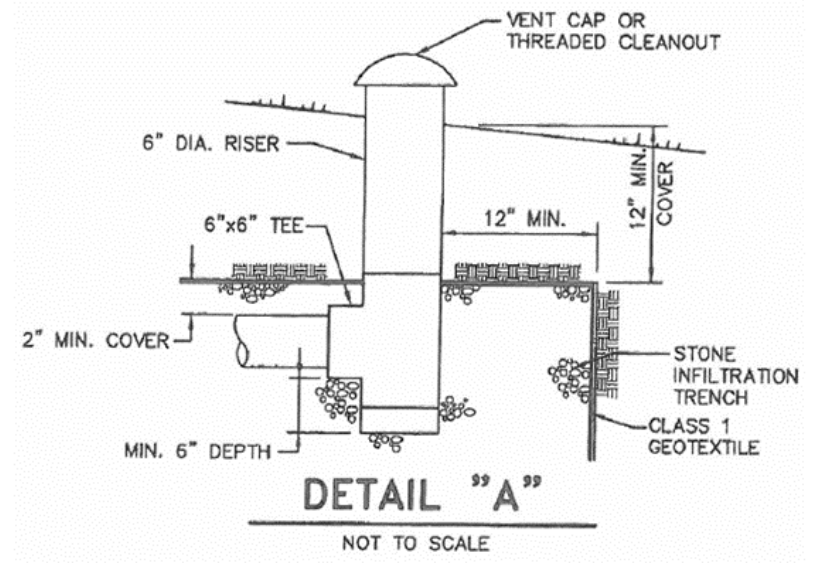
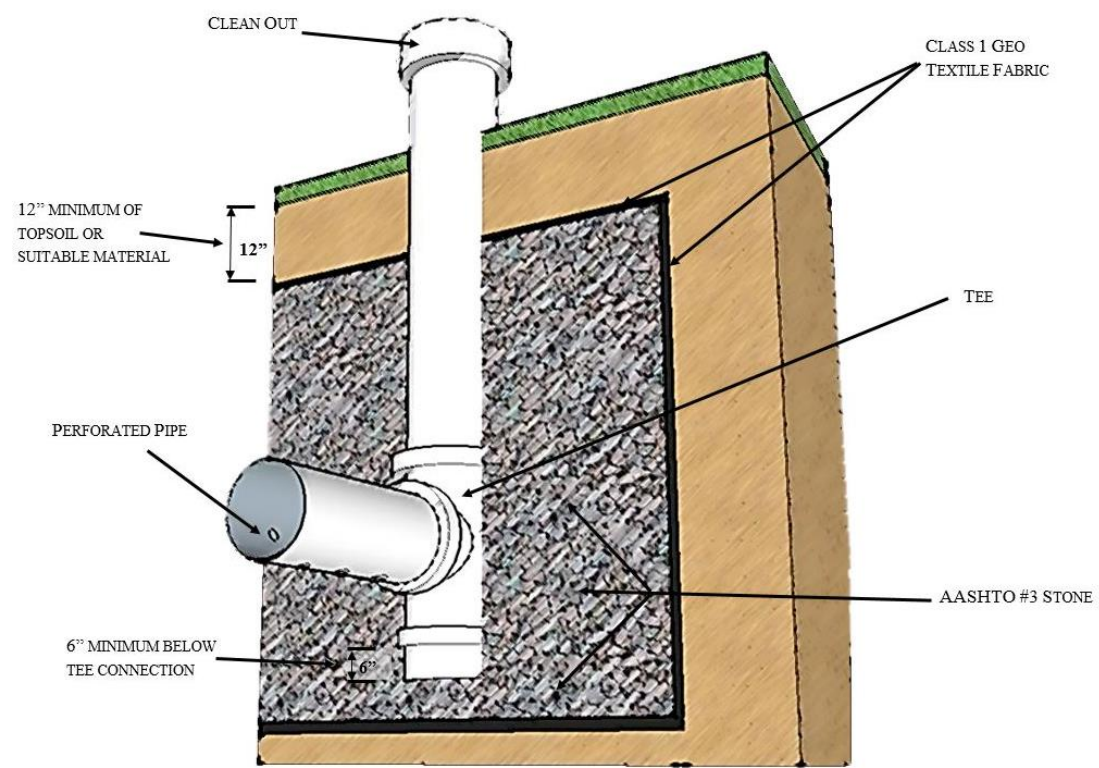
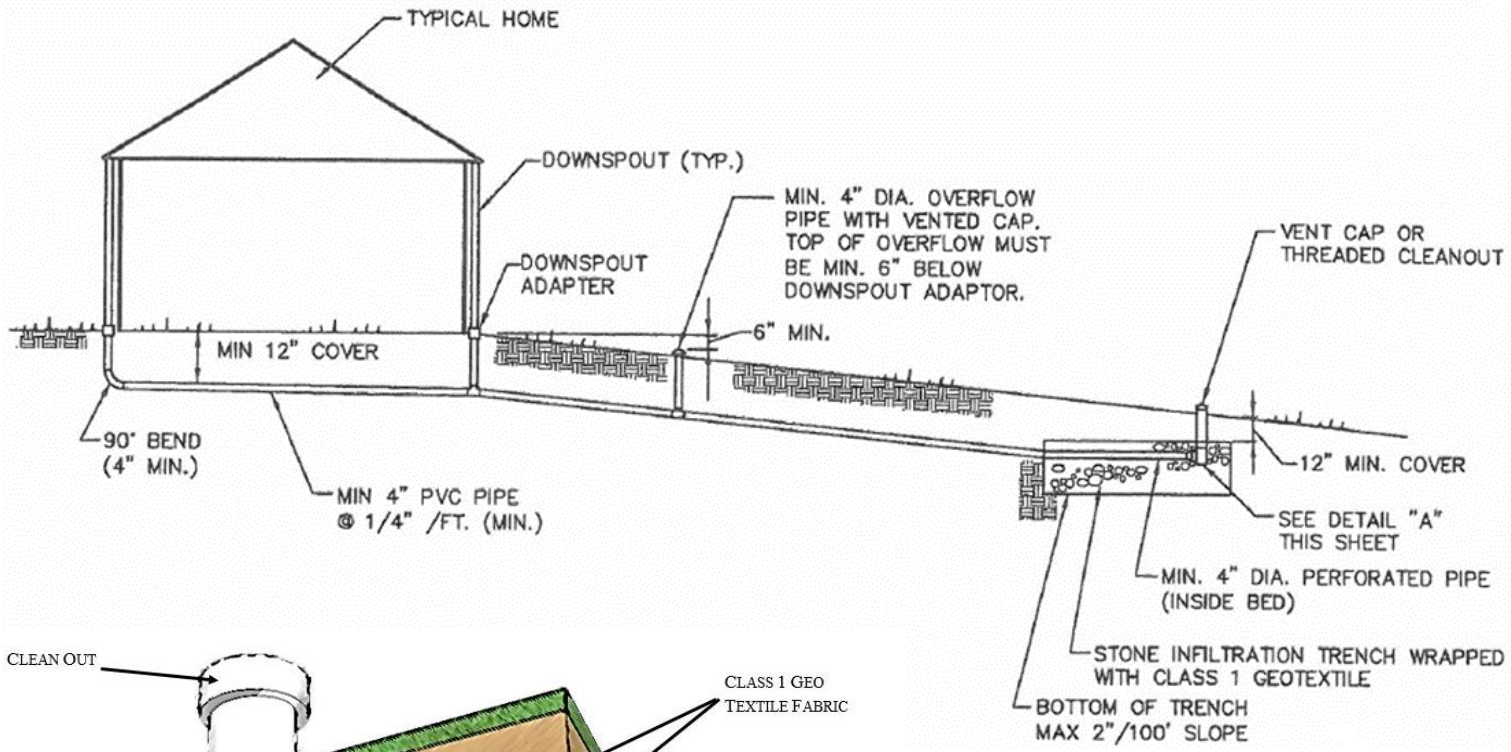
### PROPOSED SITE PLAN AND DETAILS

Create a site plan showing the lot in which the project is taking place, all existing and proposed structures (with dimensions), the location of any easements, the location of the infiltration trench, the dimensions of the infiltration trench, all clean outs, sizes of pipes, amount of top soil cover, location of any existing drain field(s), location of any recorded drain field replacement area, property contours, existing drainage, and any other relevant information. The infiltration trench cannot be covered by an impervious surface.

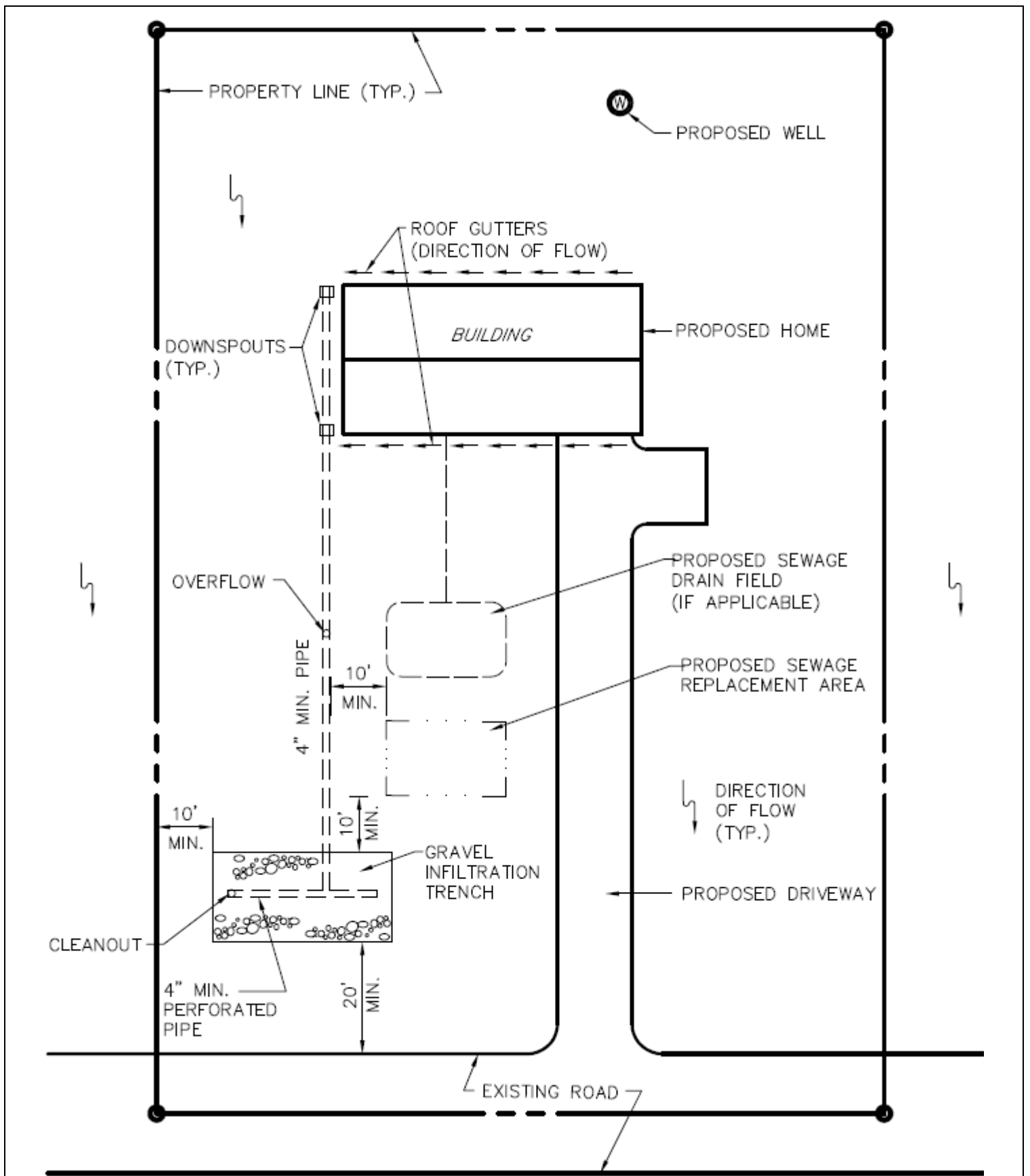
Please see the attached examples showing a typical infiltration system site plan and detail sheet. Feel free to use the examples as a model or template for the proposed project.

### APPLICATION/ADMINISTRATIVE REVIEW FEE

\$100.00 (PAYABLE TO MANOR TOWNSHIP)



**STORM WATER MANAGEMENT  
PLAN DETAIL SHEET - PROFILES**



**STORM WATER MANAGEMENT PLAN  
 DETAIL SHEET – TYPICAL  
 INFILTRATION TRENCH SITE PLAN**