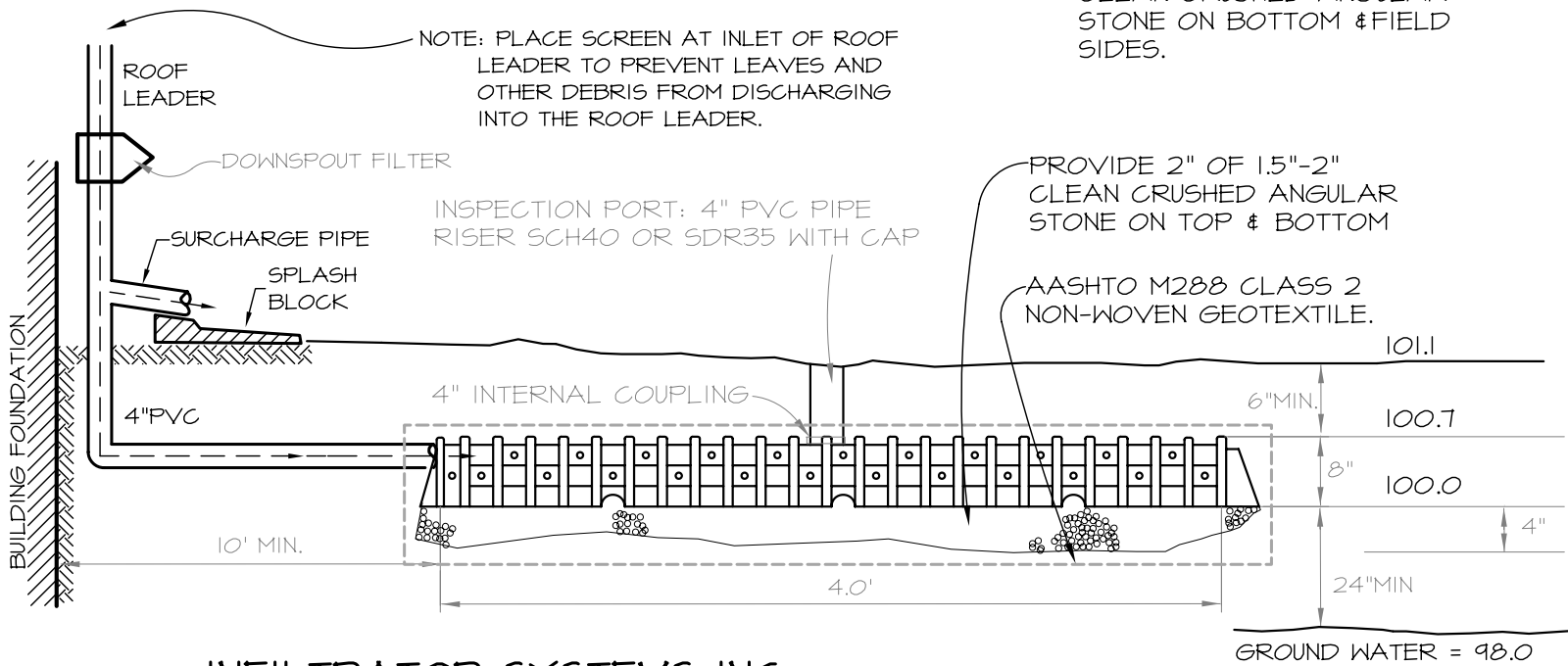
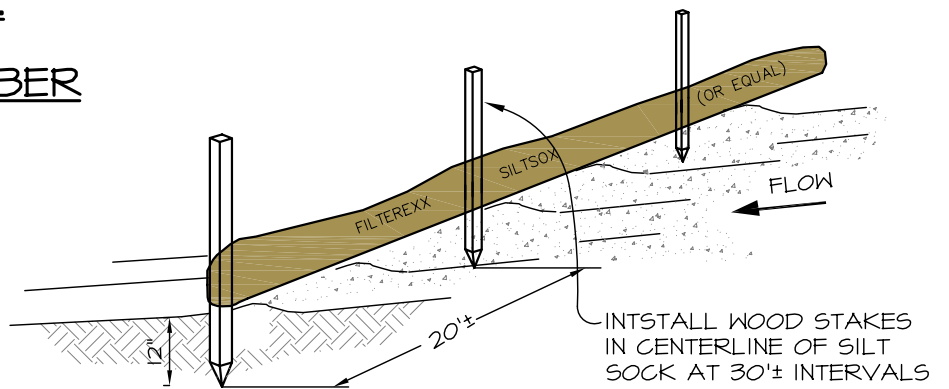


PROVIDE 4" OF 1.5"-2" CLEAN CRUSHED ANGULAR STONE ON BOTTOM & FIELD SIDES.



**INFILTRATOR SYSTEMS INC.  
QUICK4 STANDARD LOW  
PROFILE INFILTRATION CHAMBER**

NOT TO SCALE

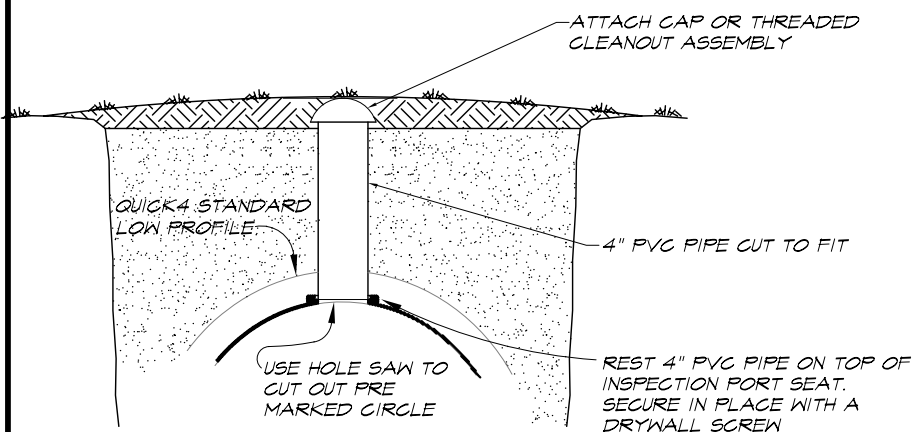


**NOTES:**

1. SILT SOCK SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. CONTRACTOR TO INSPECT AND REPAIR SILT SOCK AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN HEIGHT REACHES 6".
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

**SILT FENCE (SILT SOCK)**

NOT TO SCALE



**INSPECTION PORT**

NOT TO SCALE

**INFILTRATION FACILITY VOLUME  
CALCULATIONS AND SIZING PER CHAMBER**

Infiltrator system Quick 4 low profile chamber design parameters:  
2.8'w x 4.0'l x 8"h (effective)  
Storage in chamber: 4.72 sf/l.f. / 17 gal. / 2.27 c.f.

**EXFILTRATION**

3 MPI actual percolation test = (1inch/3min) x (1min/60sec) x (1ft/12inches) = 0.00046 FT/Sec  
PER UNIT: 2.83' x 4.0' = 11.3 S.F. x 0.00046 FT./Sec = 0.005 C.F.S. Bottom Per Unit

**IMPERVIOUS AREA CALCULATIONS:**

EXISTING CONDITIONS: 2,800± S.F.

PROPOSED CONDITIONS: 2,800 S.F.±

**NO IMPERVIOUS AREA INCREASE**

**PROPOSED: 600 S.F. (PROPOSED ADDITION) TO BE INFILTRATED**

**NOTE:**

INFILTRATION CHAMBERS ARE DESIGNED TO MITIGATE (INFILTRATE) 100% OF PROPOSED ROOFTOP RUNOFF (600 S.F.) FOR 7" OF RAIN IN A 24 HR PERIOD WITH NO OUTFLOW: (SEE HYDROLOGY CALCULATIONS ATTACHED)

**DRAINAGE DETAILS**

LOCATED AT

15 LARCHMONT AVENUE  
NEWTON MASSACHUSETTS

PREPARED FOR

JANNA CURTIS

PREPARED BY

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