

ROOF RECHARGE CALCULATIONS:

FOOTPRINT AREA = 1,512 SF

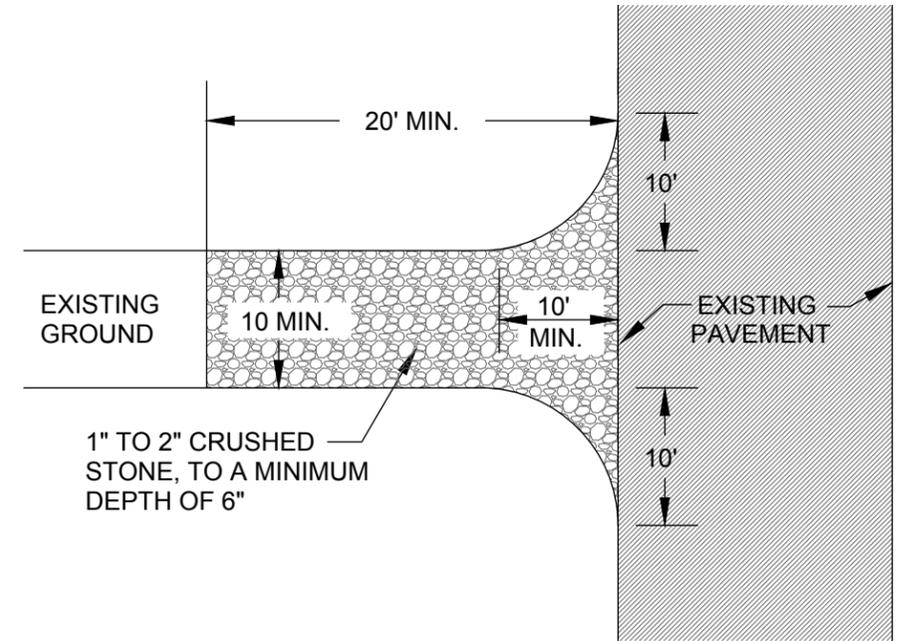
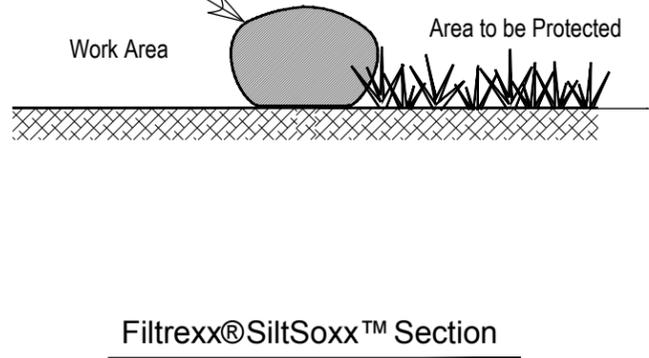
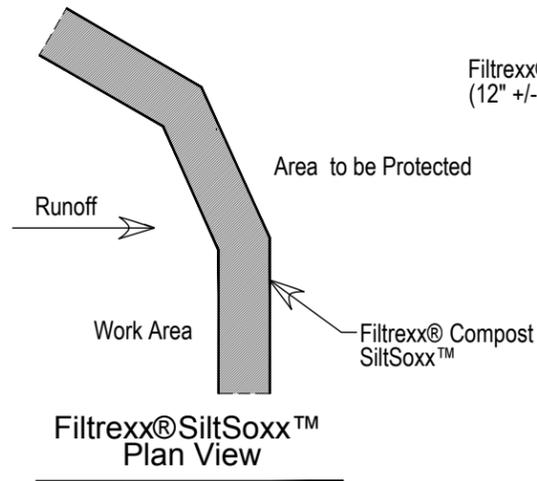
REQUIRED RECHARGE VOL. = $(0.5)(1/12)(1,512 \text{ SF}) = 63 \text{ CF}$

VOLUME PER CHAMBER = 21.8 CF/CHAMBER

VOLUME OF VOIDS IN STONE UNDER TWO CHAMBERS = $(0.40)(0.50)(14.67')(4.00') = 11.7 \text{ CF}$

VOLUME OF VOIDS IN STONE AROUND TWO CHAMBERS = $(0.40)(17.7 \text{ SF})(1.71') = 12.1 \text{ CF}$

TOTAL AVAILABLE STORAGE VOLUME FOR TWO CHAMBERS = $(2)21.8 + 11.7 + 12.1 = 67.4 \text{ CF}$



SEDIMENTATION CONTROL DETAIL

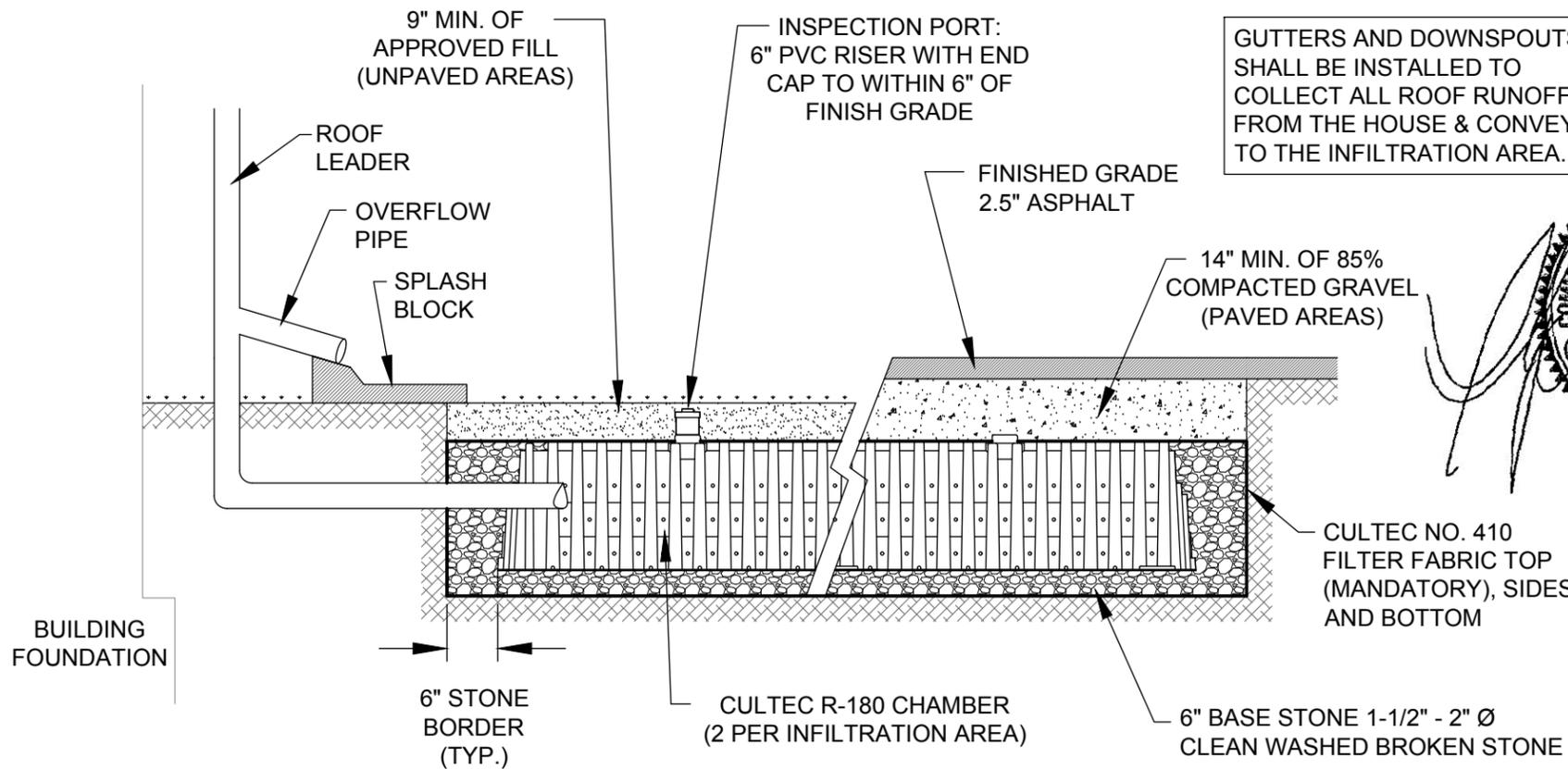
Notes:

1. All material to meet Filtrexx® specifications.
2. SiltSoxx™ compost/soil/rock/seed fill to meet application requirements.
3. SiltSoxx™ depicted is for minimum slopes. Greater slopes may require larger socks per the Engineer.
4. Compost material to be dispersed on site, as determined by the Environmental Monitor.

CRUSHED STONE CONSTRUCTION ENTRANCE

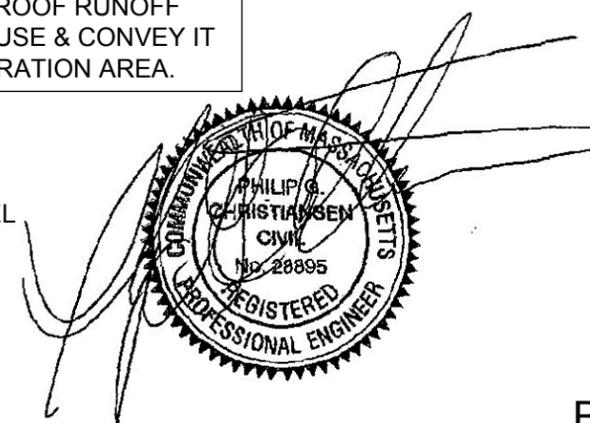
NOT TO SCALE

THE CRUSHED STONE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE ADJACENT ROADWAY.



DOWNSPOUT & ROOF RUNOFF INFILTRATION AREA DETAIL

NOT TO SCALE



CONSTRUCTION DETAILS
FOR
LOT 3A HILLDALE AVENUE
IN
HAVERHILL, MASS.

PREPARED FOR:
BRADFORD UNLIMITED CORP.

P.O. BOX 5415, BRADFORD, MA 01835

DATE: JUNE 7, 2016



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