



September 19, 2022

Tisbury Planning Board
RE: Stone Bank Storm Water Plans

VIA Email

Dear Members,

I am in receipt of Kurt Fraser's response to the as-built plan submitted by Mr. Dunn.

Bullet Points 1 & 2: Trench Drain/Flow from 75 Main. These items have been corrected in the attached plan. The flow from these areas is directed to the retention basin.

Bullet Point 3: Overflows. We believe sufficient provisions have been made in case of overflows in the two recently installed pairs of storm water pits. Both pits have open concrete swales just upstream of the pit inverts. In the event of overflows water will back up into these and spill over the small concrete dams at the ends of the swales.

Bullet Points 4 & 5: Gravel Drainage Areas for Buildings B & C. Mr. Fraser's response mentions potential issues with freezing and thawing of runoff trapped next to the foundations of the Buildings. First I would point out that this concern does not impact the efficacy of the storm water plan but is a separate issue which is not logically related to his review. Having said that we do appreciate his concern but it is our opinion it is not valid for two reasons. First, the footings are below frost level and second, the sandy soil underlying this whole site is so porous that moisture cannot be trapped as might be the case, for example, with clay soils. Moreover there is 10,000 sf of permeable gravel surface around and under these buildings which offer far more percolation area than is needed.

Bullet Point 6: The final as-built plan to be made after all facilities are installed and the property fine graded will contain the level of detailed asked for.

Please contact me with any questions.

Sincerely Yours,

A handwritten signature in black ink, appearing to read "Casey Decker".

Casey Decker, PE

