

At point of compliance (East Fork of Taylor Creek at northwest corner of the site), the combined on site and offsite runoff peaks are (not include runoffs from offsite bypass areas and runoff from stream buffer area):

Q 2 year = 0.012 cfs < 0.024 cfs (existing condition)

Q 10 year = 0.015 cfs < 0.042 cfs (existing condition)

Q 100 year = 0.023 cfs < 0.07 cfs (existing condition)

Due to full infiltration for the onsite drainage areas, 100 year peak at the point of compliance will be reduced. The developed year peak is 0.047 cfs less than the existing 100 year peak which meets the less than 0.1 cfs increase requirement of Exception 2 for Conservation Flow Control Area (SWDM 1.2.3.1.B). Flow control is not required for the offsite improvement.