exempt from any flow rate capacity and velocity requirements for natural or man-made channels: projects that incorporate natural channel design concepts are not man-made channels and shall be

- into Concentrated stormwater runoff leaving a development site shall be discharged directly into a pipe man-made or pipe system, receiving channel, pipe or storm s downstream stability analyses ewer system. For those sites where runoff is discharged at the outfall of the pipe or pipe system shall an adequate
- Adequacy of all channels and pipes shall be verified in the following manner:
- (1) The applicant shall demonstrate that the total drainage area to the point of analysis within the channel is one greater than the contributing drainage area of the project in question; or
- channel banks nor cause erosion of channel bed or banks. (a) Natural channels shall be analyzed by the use of a two-year storm to verify that stormwater will not overtop
- (b) All previously constructed man-made channels shall stormwater will not overtop its banks and by the use erosion of channel bed or banks; and of a be analyzed by the use of a ten-year storm to verify that two-year storm to demonstrate that stormwater will not
- be contained within the pipe or system. and sewer systems shall be analyzed ş the use of a ten-year storm to verify that stormwater will
- applicant shall: existing natural receiving channels or previously 9 structed man-made channels or pipes are not adequate,
- Improve the channels to a condition where erosion to the channel, the bed, or the ten-yea banks; or storm will not overtop the banks and a two-year storm
- <u>চ</u> appurtenances; Improve the pipe ç pipe system ō ಶು condition where the ten-year storm is contained within the
- (3) Develop a site design that will not cause storm to increase when runoff outfalls into a natural channel or will when runoff outfalls into a man the pre-development peak runoff rate from -made channel; or not cause the pre-development peak runoff rate from a a two-year storm
- to the ₩ESCP a combination of channel improvement, authority to prevent downstream erosion. stormwater detention or other measures which is satisfactory
- applicant shall provide evidence of permission to make the improvements
- condition of the subject project. e. All hydrologic analyses shall be based on the existing watershed characteristics and the ultimate development
- facility and the person responsible for performing the f. If the applicant chooses an option that includes a plan for maintenance of the detention facilities. stormwater detention, he shall obtain approval from the VESCP The plan shall set forth the maintenance requirements of the maintenance
- placed at the g. Outfall from a outfall of detention facility shall be all detention facilities discharged to as necessary to provide a stabilized transition from the facility to the Ø receiving channel, and energy dissipators