

This is an internal document generated to facilitate consistent plan reviews. Additional requirements may be necessary based on site specific conditions.

City of Charlotte

Land Development Services

SWIM Buffer Checklist²⁰⁰⁶

Project Name: _____ Date Reviewed: _____
Reviewer: _____ Telephone: _____
Contact: _____ Telephone: _____

BUFFER WIDTHS

_____ Buffer widths on plans (see the web page located at <http://www.charmeck.org/Departments/LUESA/Water+and+Land+Resources/Programs/Water+Quality> and select "SWIM")

SWIM STREAM BUFFER DELINEATION

_____ Buffer area is clearly identified on plan in bold, clear type as "S.W.I.M. STREAM BUFFER."
_____ The outside boundary of each buffer zone is clearly marked on plans.(stream side, managed use, upland)
_____ The field located top of the bank from where the buffer width is measured is clearly labeled on plans.
_____ At all street crossings the outside boundary of the buffer is to be permanently marked with an iron pin or other acceptable property corner marker and this iron is to be called out on plans.
_____ Show orange fabric fencing on Grading and Erosion Control Plans.

STORM WATER OUTFALLS

_____ Plans indicate that all engineered channels and piped outfalls end outside of the buffer.

EROSION CONTROL DEVICES

_____ All temporary sediment basins are located outside the minimum buffer width.

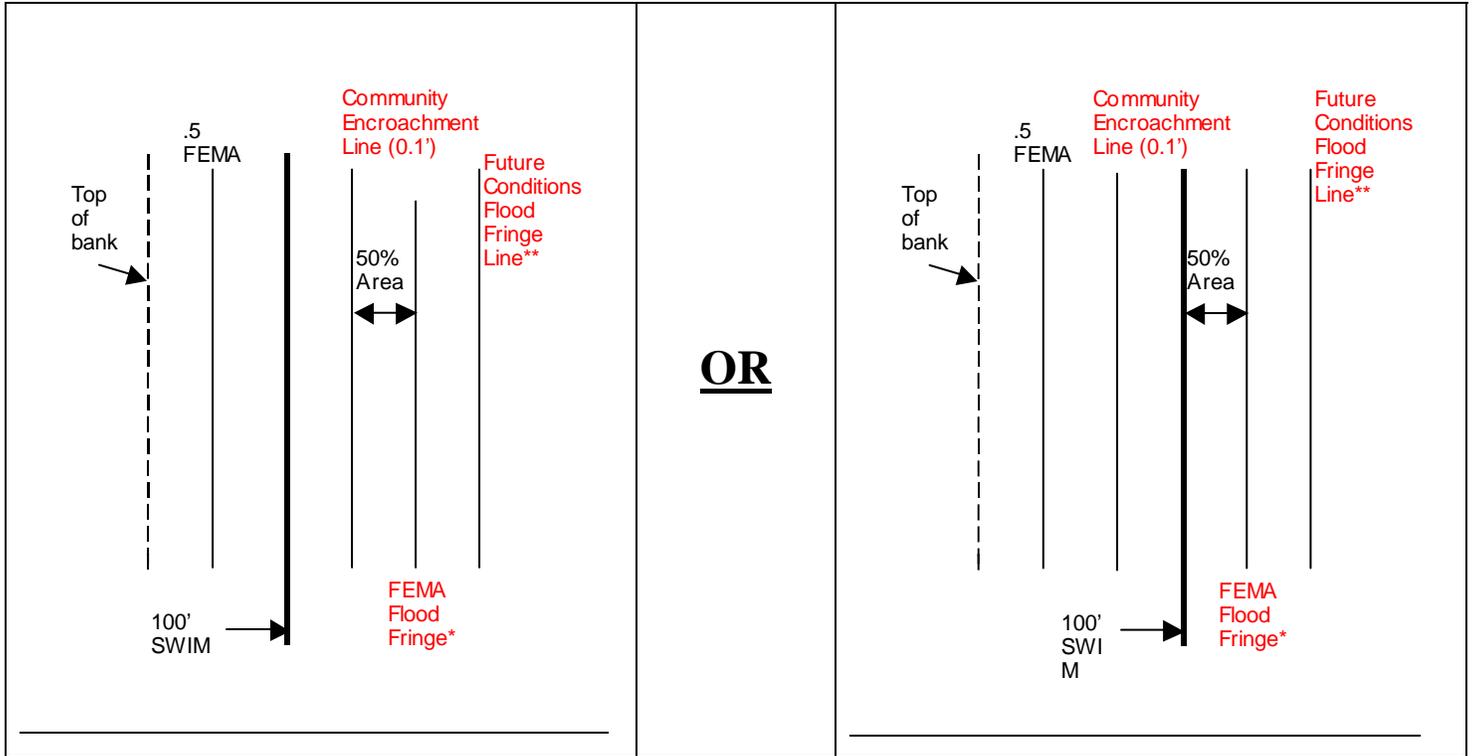
REQUIRED PLAN NOTATIONS

_____ The streamside zone of the buffer must be left completely undisturbed. In the managed use zone, at a limited number of trees can be removed provided that the tree density remaining is a minimum of 8 healthy trees of a minimum 6-inch caliper per 1,000 square feet. Removal of existing vegetation must be performed in such a manner as to prevent damage to the roots of remaining trees.
_____ Plans clearly indicate that no fill material is to be brought into the buffer and that no structures are allowed within any of the buffer areas (except non-commercial out buildings not exceeding 150 square feet).
_____ Grading and other land disturbing activities are allowed only in the upland zone; however, these activities must be performed in such a manner as to prevent damage to the roots of remaining trees. Grass or other suitable ground cover can be applied to the upland zone.
_____ The outside boundary of the buffer must be clearly marked with orange fabric fencing prior to any land disturbing activities (grading, tree cutting or stumping, etc.) at the site and this fencing must be called out on the plans.
_____ The outside boundary of the stream buffer must be permanently marked with an iron pin or other acceptable property corner marker at street crossings and this marker must be called out on the plans.

100' BUFFERS /50% ADDITIONAL CALCULATION

_____ Provide calculations for 50% addition based on the area between the **FEMA Flood Fringe Line** and the 100' Swim Buffer or the **Community Encroachment Line (0.1')** which ever is less.

Calculation of the additional 50% area to the 100' SWIM Buffer is based on the following:



The area between the **FEMA Flood Fringe Line** and the 100' Swim Buffer or to the **Community Encroachment Line (0.1')**, which ever is less. This additional area must be contiguous to the original 100' SWIM Buffer, and labeled on the plans.

* - See FEMA FIRM Panels w/Effective Date of February 4, 2004.

** - Previously referred to as "Ultimate 100 year FLUM line" or "FLUM Flood Fringe".



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