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

City of Charlotte
Land Development Service
Detention As-Built Checklist 2004

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Date Reviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer</td>
<td>Phone #</td>
</tr>
<tr>
<td>Contact</td>
<td>Phone #</td>
</tr>
</tbody>
</table>

GENERAL SUBMITTAL REQUIREMENTS

Note: Should constructed storage volume, orifices or weirs deviate from proposed, a detention analysis may be required from the engineer.

Provide a plan of constructed ponds, structures, and drainage systems providing detention sealed by a professional surveyor.

Title block w/ site name & location.

Identify benchmark.

Legible scale (must be able to verify surface areas for constructed contours).

Labeled contours (all contours must close and not exceed 2 foot intervals).

ABOVE GROUND DETENTION

Pond

Provide surface area for each contour of constructed pond.

Provide sufficient spot elevations for top of berm to determine the lowest point of containment.

Outlet Structure

Provide a detail of outlet structures with all dimensions (including invert and top of structure).

Label all invert elevations and dimensions for lower level orifices.

Label all invert elevations and dimensions for weirs.

Provide outlet pipe inverts, size, length, and slope.

Emergency Spillway

Provide a detail of the emergency spillway.

Provide and label spot elevations of weir bottom to determine invert, width (top and bottom), and length.

Identify spillway-lining material.

UNDERGROUND DETENTION

Pipe System/ Manifold

Provide a complete and accurate survey of pipe systems used for detention (include manifold section).

Label upstream and downstream inverts for all pipes.

Label all pipe sizes, lengths, and slopes.

Identify pipe material.

Show and label all maintenance access structures (include RIM elevations).

Provide a detail of outlet structure.

Label all invert elevations and dimensions for lower level orifices.

Provide location and overflow elevation for 50-year relief flow (catch basin, manhole, weir, etc.).