



# KENT CONSERVATION DISTRICT

800 BAY ROAD SUITE 2 • DOVER, DELAWARE • 19901 (302) 741-2600 EXT. 3 • FAX (302) 741-0347

## AS-BUILT REQUIREMENTS

**THE AS-BUILT SURVEY MUST BE COMPLETED PRIOR TO SITE CLOSEOUT.**

FOR COMMERCIAL SITES, THE AS-BUILT SURVEY MUST BE COMPLETED PRIOR TO FINAL CERTIFICATE OF OCCUPANCY FOR THE BUILDING.

FOR RESIDENTIAL SITES, THE AS-BUILT SURVEY MUST BE COMPLETED PRIOR TO STREET ACCEPTANCE.

### SECTION 1 -- PONDS

1. On the post-development sediment and stormwater management plan, show the proposed design contours and the as-built contours of the pond banks at one (1) foot intervals with different line weights or colors (i.e. as-built red-lined).
2. Note the bottom of pond elevations at fifty (50) foot intervals with high and low points noted. Use contours if desired.
3. Submit calculations of the pond volume as constructed with incremental storage and cumulative storage volumes in cubic feet and calculations for outflow from the pond as constructed for the quality, 2 and 10 year storm event for comparison with the proposed pond outflows.
4. Provide inlet and outlet invert elevations for all structures, pipes, and swales flowing to and from the pond.
5. Provide design and as-built dimensions of the outlet structure, including orifice diameter, weir lengths, all pipe diameters, top of box dimensions, or riser dimensions.
6. Provide bottom and top elevations of the emergency spillway.
7. Note any variations from the approved pond design such as changes in cover (i.e. riprap, tree plantings).
8. If applicable, submit geotechnical engineer's report of compaction calculations and moisture content for the core trench or cutoff trench and pipe installation. Include the Unified classification of the soil(s) used in the core or cutoff trench.
9. The as-built survey must be signed and sealed by a registered Professional Engineer, Professional Land Surveyor, or Registered Landscape Architect.

## SECTION 2 – INFILTRATION TRENCHES

1. Submit as-built invert elevations of all pipes, structures, infiltrators, flow wells, etc.
2. Verify dimensions and material of all infiltration pipes and overflow pipes.
3. Verify length of the infiltration trench, if possible, such as the length between inlets.

## SECTION 3 -- BIORETENTION PRACTICES

1. Kent Conservation District must receive copies of following soils tests results prior to the issuance of a final Certificate of Occupancy:
  - A. The planting soil shall be tested and meet the following criteria: pH range 5.2-7.0, organic matter 1.5-4%, magnesium 35 lb./ac, phosphorus 75 lb./ac, potassium 85 lb./ac, soluble salts not to exceed 500 ppm.
  - B. A textural analysis is required for site stockpiled topsoil. If topsoil is imported, then a texture analysis shall be performed for each location where the topsoil was excavated.
2. All testing results shall come from the same testing facility, since the labs all calibrate their testing equipment differently.