

## Site Planning — Stormwater Construction Plans Checklist

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Designer: \_\_\_\_\_

Company: \_\_\_\_\_

Date: \_\_\_\_\_

The following items should be included on stormwater construction plans, as applicable:

- ☐ A plan profile of all key drainage systems including: streets, roads, and drainage Best Management Practices (BMPs).
- ☐ Elevation datum
- ☐ North arrow and scale bar
- ☐ Right-of-way details
- ☐ Outfall details
- ☐ Ditch details
- ☐ Invert elevations, slopes, and lengths of ditches
- ☐ Cross sections of all open ditches
- ☐ Elevations of all inlet grates
- ☐ Size, types, invert elevations, and lengths of all culverts and pipe systems
- ☐ Invert elevations of the existing or other proposed drainage system to which the drainage plan proposes to connect
- ☐ Stationing of all inlets, culverts and pipe systems angle points
- ☐ Invert elevations of pipes at all structures such as catch basins or maintenance holes
- ☐ Construction details for inlets, drywells, detention BMPs, etc. (notes referring to standard plans may suffice where applicable)
- ☐ Drainage easements shown, with key dimensions for depicting location, width, and length
- ☐ The location of existing underground and aboveground utilities
- ☐ Lot grading elevations where appropriate
- ☐ Grading plan for detention ponds. The grading plan should include:
  - ☐ existing contours

- ☐ proposed contours
- ☐ catch points
- ☐ A typical cross section of the pond should be provided in the plans, showing:
  - ☐ bottom of pond elevation
  - ☐ maximum water surface elevation for the design storm(s)
  - ☐ inlet and outlet elevations
  - ☐ berm elevation and slopes
  - ☐ keyway location and dimensions
- ☐ Detention ponds, pipe inlets and outlets, ditches, and drainage structures, which are serving public roads or are in single-family residential neighborhoods, should be horizontally defined with respect to property corners, street stationing, or a coordinate system.
- ☐ Drainage ditches should have their longitudinal grades defined with either a profile or elevation grades at intervals of 50 feet. Ditch centerlines and flow directions should be also be illustrated.
- ☐ Summary of short- and long-term operation and maintenance requirements