

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