



# BERKELEY COUNTY ENGINEERING AND BUILDING INSPECTIONS

400 West Stephen Street - Suite 202, Martinsburg, WV 25401-3838

Telephone: 304-264-1966, Fax: 304-262-3128

Web Page: [www.berkeleywv.org](http://www.berkeleywv.org)

## AS-BUILT CHECKLIST

**As-built Submittal Date:** \_\_\_\_\_

**B.C. File No.** \_\_\_\_\_

**Design firm:** \_\_\_\_\_

**Certifying Engineer:** \_\_\_\_\_ **West Virginia** \_\_\_\_\_  
**Registration No.**

**County As-Built Approval:** \_\_\_\_\_

Instruction: To be completed by the certifying engineer. The as-built submittal must include this checklist, a complete set of the as-built plans and pertinent reports/logs relative to the construction of the SWM facility. This checklist contains a list of items required and does not relieve the certifying engineer of completing a review according to good engineering practices. All items are expected to be addressed in the first submittal and failure to do so will result in a less than full review.

SUBMISSION DOCUMENTS	SUB.	1ST	2ND
1 .One copy of the approved storm water management plan redlined.			
2 .One compaction report with PE seal and signature.			
3. One copy of the storm water management computations with PE seal and signature.			
4. Checklist			
STORM WATER MANAGEMENT PLANS			
1. The minimum information shall be shown in red on the print copy with AS-BUILT in the lower right corner of each sheet. All information shall be shown on the approved plans.			
2. A check mark (✓) shall be made beside design values if they were actually constructed values. For changed values, line out the design value and enter the actual value.			
3. Elevations shall be to the nearest 0.1'.			
4. Design and as-built improvements.			

5. Landscaping, plantings, trees, shrubs and other woody vegetation (show in green, trees not allowed within 15' of any portion of the embankment or within 25' of outlet structure).			
6. As-built water surface elevations (WSEL) for WQ <sub>v</sub> , CP <sub>v</sub> , 10-yr, 100-yr, permanent pool.			
7. SWM easement area shown and labeled.			
8. SWM maintenance easement and access. Access to be a minimum 10' wide, with a maximum cross slope of 4:1 and a maximum longitudinal slope of 15%. Maintenance access must reach control structure, pond bottom and forebay area.			
9. SWM facility constructed within SWM easement area. No permanent structures (fences, sheds, play equipment, retaining walls) shall be permitted within any storm drainage or SWM easement either shown or described on the final plat of subdivision or deed of easement.			
10. Paved access entrance apron (if applicable).			
11. Minimum 15 foot setback from SWM facility toe of fill or top of cut to nearest property lines. Minimum 25' foot setback from SWM facility outfall channel protection to nearest property lines.			
12. Outflow pipe(s), outlet protection (detail required), outfall channel (s) to stable outfall. Pipe diameter, material length, invert in and invert out, outfall channel length, width, thickness, material lining size and type labeled. Cross-Section detail with dimensions required.			
13. Emergency spillway with outlet channel shown and dimensioned with elevations labeled.			
14. As-built easements for ponding and/or pond slopes on private property.			
15. Identify all proposed non-structural credit areas and as-built slope and location (i.e. dry swales, wet swales, rain gardens, non-rooftop and rooftop disconnection credits, natural area conservation credit).			
16. Maintenance schedule (shown on plans, i.e. how often, minimum requirements).			
17. Location and detail for repaired sink holes (if applicable).			
18. Show and label limits of pond forebay, forebay weir, forebay weir protection and reference detail.			
19. Show and label principal spillway, control structure, limits of embankment fill stationed.			
20. Limits of pond liner labeled (if applicable.)			
21. For ponds with permanent pool, show and label under water safety bench and label elevation, slope and width.			
22. Flared end sections (or headwalls) on all pipes.			
23. Pond embankments (fill) planted with grass only (or approved perennial alternative).			

24. Ponds > 8' deep (measured to 100-year WSEL) shall be benched within the ponding area 4' horizontally at 4' elevation intervals.			
25. Ponds which pass the 100-year storm through the principal spillway shall include a token spillway 1' below top of dam, min. 8' width, located entirely within cut soils. Show and label.			
26. Label dam side slopes.			
27. Top width shall meet MD-378. Top elevation labeled – constructed and settled.			
28. Minimum 1' cover over top of spillway pipe.			
29. Principal Spillway: Show and label dimensions, invert elevations in and out. Identify type of material, dia, slope length			
30. All as-built dimensions for riser structure. Show and label trash rack.			
31. Provide outfall protection dimensions: geometric shape, length, slope and lining material. Indicate median and maximum rip-rap class and size, thickness			
32. Provide latitude and longitude coordinates of all storm water BMP controls			