



Subdivision and Construction Site Stormwater Facility

As-built Survey Requirements Checklist

Information in this document is for informational and reference purposes only. Such information is subject to change.

Last Revised: 1/5/2017

The following items are required upon stabilization of any development where the disturbance is greater than 1 acre and/or a Stormwater Management Facility is constructed. Only after approval of the As-built will permits be issued for individual lots of subdivisions and any Certificate of Occupancy be issued for associated structures.

As-built Requirements:

1. Owner, Engineer, Architect- names, phone and email listed.
2. Project name indicates "As-built" in the plan title
3. As-built is signed by the licensed engineer.
4. Plan is 1" = 50' or larger scale. North Arrow is shown.
5. Property limits are shown and streets are clearly labeled.
6. Public and private utilities are labeled and legible.
7. Description and elevation of all site benchmarks used. All elevations should be referenced to the same benchmark datum as the original design plans.
8. Final topographic contours and directional arrows overlaid on the proposed design contours with sufficient survey shots to adequately show site drainage patterns.
9. Cross-sectional survey points at emergency spillways, rock chutes, and grass swales sufficient to verify proposed design.
10. Spot elevations at all proposed and/or existing building pads.
11. Spot elevations at all lot corners and building/structure corners.
12. Cross sectional survey points at crest and sag locations of newly constructed roadway. (road centerline, edge of pavement, gutter, top of curb, centerline of road swale, right of way, etc.)
13. Location, length, diameter, material, invert and rim elevations of all stormwater conveyance pipes and structures.
14. For each green infrastructure practice provide the location, detailed description, volume (ponding, engineered soils/media, aggregate, etc.), contours, cross-sectional diagram, detail of inlet, detail of outlet control and/or bypass structures. Profile and plan.
15. For each stormwater retention/detention pond provide specific survey points to verify construction, profile and plan. At a minimum the following:
 - a. Elevations of permanent pool, water quality level, and 2yr, 10yr, 100 yr HWL with associated volumes
 - b. Spot elevations at bottom of pond on sufficient grid to verify construction
 - c. Location and dimensions of energy dissipation, emergency spillway, forebay, structures, etc.
16. "As-planted" description and location of vegetation for BMP and site. (final landscape)

*** If As- built varies significantly from proposal, supporting calculations are required, indicating treatment capability.

Please Contact Brad Rademacher, Water Quality/Stormwater Specialist at 507-774-7300 for further assistance.