

## **Tips for a Successful Residential Development Engineering Final**

### **1. During Construction:**

- a. Take pictures of all stormwater facilities during construction. Examples of this are the digging of drywells/infiltration trenches and all stormwater conveyance systems, especially if proposed facilities are subsurface/potentially covered in snow or landscaping at the time of inspection. Photos need to include a measurement tool to confirm they were constructed per plan.
- b. If using natural vegetation areas for stormwater infiltration, ensure the area is completely undisturbed during the entire construction process.

### **2. At Time of Inspection**

- a. Ensure all exposed dirt is covered with gravel, mulch, or other stabilizing materials, so that no bare dirt is visible.
- b. Ensure all drip lines are armored appropriately and that 5 feet of gravel is installed around the entire building foundation.
- c. If drywells/infiltration trenches are covered with mulch/stabilizing material, please provide pictures of the BMPs during the construction process with clear location identifiers and a measurement tool. We need to ensure the drywells/infiltration trenches are installed in the proper locations per the approved plans.
- d. Ensure the driveway was built per the approved plans including the proper grade, material, radii, and driveway dimensions. Not all lifts must be installed on the driveway at the time of Engineering Final.
- e. Bear boxes must be installed in the location shown on the approved plans and/or must be located entirely on private property (if one exists).
- f. All natural vegetation areas used for stormwater infiltration must be undisturbed during the entire construction process. Reseeded or replanted vegetation is not acceptable.

### **3. At Time of Inspection with Snow on the Ground**

- a. The site must be clear of all snow, so that all site stabilization (gravel, mulch, etc.) is easily seen. We recommend having at grade improvements completed and inspected prior to the start of snowfall.
- b. All subsurface infiltration must be installed before Final inspection.
- c. The driveway must be cleared of snow, so that the driveway grades, material, radii, and footprint are easily visible.
- d. All drip line armoring must be clear of snow.
- e. Photos for winter finals are also encouraged.
- f. No exceptions will be made during the wintertime!

### **When in doubt, call the Engineering Division!**

We are available to discuss any of the items above or other questions you may have prior to the Engineering Final inspection. Please call Riley Powers at 530-582-2931 or Blake Kloczl at 530-582-7891.