

## Example Combined Construction Sequence and Construction Inspection Schedule

| Date | Duration | Milestone or Task   | Date of Inspection | Inspector Initials | Inspector Role   |
|------|----------|---|--------------------|--------------------|------------------|
|      |          | <b>Prior to grading activities</b>  |                    |                    |                  |
|      |          | Surveyor stakes road, drainageways, storm water BMPs. Mark wetlands.  |                    |                    |                  |
|      |          | Plan implementation meeting   |                    |                    |                  |
|      |          | Hold pre-construction meeting with Town, County, DNR, contractors, utilities  |                    |                    |                  |
|      |          | Install tracking pad  |                    |                    | EC insp.         |
|      |          | Install silt fence or other perimeter BMPs, clearing and grubbing as minimally needed                                       |                    |                    | EC insp.         |
|      |          | Contact County LRD and other authorities at least 2 days prior to beginning construction                                    |                    |                    |                  |
|      |          | <b>Construct Basins</b>   |                    |                    |                  |
|      |          | Strip topsoil in basin and subsoil stockpile areas  |                    |                    |                  |
|      |          | Excavate temporary or permanent basins to be used for sediment control  |                    |                    |                  |
|      |          | The following steps apply to construction of wet detention basins   |                    |                    |                  |
|      |          | Before berm material is placed, verify that   |                    |                    |                  |
|      |          | Topsoil, stumps, and vegetation are stripped in basin berm footprint  |                    |                    | Engineer         |
|      |          | A 2'x8' keyway is excavated under berm (if permanent pool will pond >3 ft against embankment)                               |                    |                    | Engineer         |
|      |          | The basin berm is constructed with the specified material   |                    |                    | Engineer         |
|      |          | Before a liner is placed, verify that:  |                    |                    |                  |
|      |          | Basin interior slopes do not exceed maximum pitches (3:1 above water, 10:1 safety shelf, 2:1 below)                         |                    |                    | Engineer         |
|      |          | Basin bottom and shelf elevations are correct   |                    |                    | Engineer         |
|      |          | The safety shelf is at least 8 ft wide  |                    |                    | Engineer         |
|      |          | Before the berm is re-compacted around outlet pipes following installation, verify that:                                    |                    |                    |                  |
|      |          | The correct pipe diameter, drain hole diameter, and materials are used  |                    |                    | Engineer         |
|      |          | The outlet pipe and riser elevations are correct  |                    |                    | Engineer         |
|      |          | Anti-seep devices are installed on specified outlet pipes   |                    |                    | Engineer         |
|      |          | Before topsoil is re-applied, verify that:  |                    |                    |                  |
|      |          | A compacted 2-ft clay liner is installed up to the permanent pool elevation   |                    |                    | Engineer         |
|      |          | The 90% standard Proctor compaction req't is met by sampling at five locations along embankmt                               |                    |                    | Engineer         |
|      |          | The berm elevation is 5% above design height (above existing grade) to allow for settling                                   |                    |                    | Engineer         |
|      |          | Verify that topsoil is re-applied to all surfaces above and including the safety shelf                                      |                    |                    | Engineer         |
|      |          | Basin is dewatered to verify bottom elevation and remove sediment   |                    |                    | Engineer         |
|      |          | As-built elevations are correct (see as-built survey punch list)  |                    |                    | Engineer         |
|      |          | The following steps apply to construction of infiltration basins  |                    |                    |                  |
|      |          | Before engineered soil is installed in the infiltration area, verify that:  |                    |                    |                  |
|      |          | Basin was over-excavated to expose permeable soil   |                    |                    | Soil Scientist   |
|      |          | Compost used to amend soil meets WDNR specification S100. Submit sample to LRD  |                    |                    | Engineer         |
|      |          | Correct mixture of engineered soil is used (40% sand, 30% topsoil, 30% compost)   |                    |                    | Engineer         |
|      |          | Sand and soil samples tested for particle size distribution   |                    |                    | Engineer         |
|      |          | Before berm material is placed, verify that   |                    |                    |                  |
|      |          | Topsoil, stumps, and vegetation are stripped in basin berm footprint  |                    |                    | Engineer         |
|      |          | A 2'x8' keyway is excavated under berm (if permanent pool will pond >3 ft against embankment)                               |                    |                    | Engineer         |
|      |          | The basin berm is constructed with the specified material   |                    |                    | Engineer         |
|      |          | Before a forebay liner is placed, verify that:  |                    |                    |                  |
|      |          | Basin interior slopes do not exceed maximum pitches (3:1 above water, 10:1 safety shelf, 2:1 below)                         |                    |                    | Engineer         |
|      |          | Basin bottom and shelf elevations are correct   |                    |                    | Engineer         |
|      |          | The safety shelf is at least 8 ft wide  |                    |                    | Engineer         |
|      |          | Before the berm is re-compacted around outlet pipes following installation, verify that:                                    |                    |                    |                  |
|      |          | The correct pipe diameter, drain hole diameter, and materials are used  |                    |                    | Engineer         |
|      |          | The outlet pipe and riser elevations are correct  |                    |                    | Engineer         |
|      |          | Anti-seep devices are installed on specified outlet pipes   |                    |                    | Engineer         |
|      |          | Before topsoil is re-applied, verify that:  |                    |                    |                  |
|      |          | A compacted 2-ft clay liner is installed up to the forebay permanent pool elevation   |                    |                    | Engineer         |
|      |          | The 90% standard Proctor compaction req't is met by sampling at five locations along embankmt                               |                    |                    | Engineer         |
|      |          | The berm elevation is 5% above design height (above existing grade) to allow for settling                                   |                    |                    | Engineer         |
|      |          | Verify that compaction mitigation procedures were followed (deep tilling)   |                    |                    | Engineer         |
|      |          | Verify that compost / loamy sand topsoil mixture is applied to surface of infiltration area                                 |                    |                    | Engineer         |
|      |          | Verify that topsoil is re-applied to all surfaces above and including the safety shelf                                      |                    |                    | Engineer         |
|      |          | Basin is dewatered to verify bottom elevation and remove sediment   |                    |                    | Engineer         |
|      |          | As-built elevations are correct (see as-built survey punch list)  |                    |                    | Engineer         |
|      |          | <b>Begin Grading</b>  |                    |                    |                  |
|      |          | Strip topsoil. Stockpile locations are shown on plan. Piles 1 and 2 for re-use on site. Pile 3 to be seeded and sold later. |                    |                    |                  |
|      |          | Install silt fence around stockpiles within 7 days of lay-up  |                    |                    | EC insp.         |
|      |          | Seed stockpiles within 30 days of lay-up  |                    |                    | EC insp.         |
|      |          | Rough grading   |                    |                    |                  |
|      |          | Apply road base material.   |                    |                    |                  |
|      |          | Stabilize disturbed areas that are inactive for 7 days or more with temporary seed mix                                      |                    |                    |                  |
|      |          | Install gas   |                    |                    |                  |
|      |          | Install electric and communications lines   |                    |                    |                  |
|      |          | Pave roads  |                    |                    |                  |
|      |          | Finish shoulders  |                    |                    |                  |
|      |          | Remove ditch checks   |                    |                    | EC insp.         |
|      |          | Re-apply topsoil  |                    |                    | EC insp.         |
|      |          | Seed, apply matting and mulch per plans, within 7 days of end of grading  |                    |                    | EC insp.         |
|      |          | If permanent seeding is not completed by September 15, apply temporary seeding.   |                    |                    | Engineer         |
|      |          | If temporary seeding is not completed by October 15, apply soil stabilizers and dormant seed to all disturbed areas.        |                    |                    | Engineer         |
|      |          | Site must be stabilized by November 1.  |                    |                    |                  |
|      |          | Refer to planting implementation plan for infiltration basins.  |                    |                    |                  |
|      |          | <b>Project Wrap-Up</b>  |                    |                    |                  |
|      |          | After grass is well-established, all silt fence and other temporary BMPs will be removed                                    |                    |                    | EC insp.         |
|      |          | Complete as-built survey of basins and conveyances  |                    |                    | Engineer         |
|      |          | Complete planting verification of infiltration areas  |                    |                    | Planting verifi. |
|      |          | Submit maintenance agreement addendum for approval  |                    |                    |                  |