Example Combined Construction Sequence and Construction Inspection Schedule

Date	Duration	Milestone or Task	Date of Inspection	Inspector Initials	Provide Photo	Inspector Role
		Prior to grading activities				
		Surveyor stakes road, drainageways, storm water BMPs. Mark wetlands.				
		Plan implementation meeting with Town, County, DNR, contractors, utilities				
		Install tracking pad, 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				
		Construct Basins				
		Strip topsoil in basin and subsoil stockpile areas				
		Excavate temporary or permanent basins to be used for sediment control				
		The following steps apply to <u>construction of wet detention basins</u>				
		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 <u>construction of infiltration basins</u>				
		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 (70-85% sand, 15-30% compost)				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
		For forebay construction, refer to wet detention basin steps, above.				
		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 or synthetic 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 (eg. deep tilling)				Engineer
		Perform infiltration test with double-ring infiltrometer. Provide data. Include results in Exhibit D.				Engineer
		Verify that topsoil is re-applied to all non-infiltrating surfaces including the forebay safety shelf				Engineer
		Basin forebay is dewatered to verify bottom elevation and remove sediment				Engineer
		As-built elevations are correct (see as-built survey punch list)				Engineer
		Begin Grading (sequence shown is for subdivisions)				
		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. Install ditch checks.				
		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				
		Stone 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 site stabilization is not completed by September 15, channel mat changes to Class III, add 2 lb/1,000 sf temp seed to seed mix, add Type B soil stabilizer and tackifier to mulch, install sod at culvert outfalls.				Engineer
		If site stabilization is not completed by October 15, channel mat shall be Class III, increase permanent seeding rate to 3-5 lb/1,000 sf, add 2 lb/1,000 sf temp seed to seed mix, apply Type A soil stabilizer to all disturbed non-matted areas, install sod at culvert outfalls.				Engineer
		Site must be stabilized by November 15.				
		Refer to planting implementation plan for infiltration basins.				
		Project Wrap-Up				
		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
		Submit stamped construction verification form for acceptance. Include this checklist, completed.				Engineer
		Submit digital photographs documenting inspections. See filename format in notes, below				Engineer
		Complete planting verification of infiltration areas				Planting verifi
		Submit maintenance agreement addendum for approval				

Notes: Documentary photographs shall be submitted with filenames as follows: PN[permit number]_[subject or object depicted]_[direction of view]_[date taken, in mm-dd-yy format].[file extension]
An example photo filename is: PN2546_anti-seep collar_looking northwest_4-22-11.jpg
Photos shall be color, .jpg, and include date stamps.
Measured infiltration rate = _____ in/hr

9/24/18 LRD