

Table 7.3: Critical timing of construction inspections - bioretention and dry swales.

Construction Sequence Step and Timing	Inspection Item	Observations ¹
Site Preparation – after site clearing and grading, prior to BMP excavation and grading	Natural heritage system and tree protection areas remain fenced off	
	ESCs protecting BMP layout area are installed properly	
	CDA is stabilized or runoff is diverted around BMP layout area	
	BMP layout area has been cleared and is staked/delineated	
	Benchmark elevation(s) are established nearby	
BMP Excavation and Grading - prior to installation of pipes/sewers and backfilling	Construction materials have been confirmed to meet design specifications	
	Excavation location, footprint, depth and slopes are acceptable	
	Excavated soil is stockpiled outside the CDA	
	Embankments/berms (elevations, slopes, compaction) are acceptable	
BMP Installation – after installation of pipes/sewers, prior to backfilling	Excavation bottom and sides roughened to reduce smearing and compaction	
	Structural components (e.g., foundation, walls) installed according to plans, if applicable	
	Impermeable liner installed correctly, if applicable	
	Installations of sub-drain pipes (e.g., locations, elevations, slopes), standpipes/monitoring wells are acceptable	
Landscaping – after final grading, prior to planting	Sub-drain trench dams installed correctly (location, elevation)	
	Filter bed depth and surface elevations at inlets are acceptable	
	Maximum surface ponding depth is acceptable	
	Filter bed is free of ruts, local depressions and not overly compacted	
	Planting material meets approved planting plan specifications (plant types and quantities)	

Notes:

1. S = Satisfactory; U= Unsatisfactory; NA = Not Applicable