

**CONSTRUCTION INSPECTION
CHECK-OFF LIST FOR STORMWATER MANAGEMENT PONDS**

STAGE	DESIGN ENGINEER (DE)	GEOTECHNIC AL ENGINEER (GEO)	COUNTY INSPECTOR	MNCPPC & OTHER
* MANDATORY NOTIFICATION: Inspection and approval by the parties indicated is required at these points prior to proceeding with construction. The permittee is required to give the required inspection parties twenty-four (24) hours notice (DPS telephone 240/777-6210). The DPS inspector may waive an inspection, provided the design engineer and/or geotechnical engineer makes the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector. Work completed without the necessary party's approval may result in the permittee having to remove and reconstruct the unapproved work. The permittee must maintain a "record set" of approved SC/SM plans on-site.	INITIALS/DATE	INITIALS/DATE	INITIALS/DATE	INITIALS/DATE
1. Pre-construction meeting & field review of tree save flagging/tree protection	*	*	*	*
2. Sediment control installation			*	
3. Dewatering (GEO) and stream diversion (DE)	*	*	*	
4. Clearing, grubbing, subgrade preparation		*	*	
5. Core trench excavation and dewatering, if required (GEO)		*	*	
6. Core trench dimensions, location (DE) or (GEO), backfill and compaction tests (GEO)	*	*	*	
7. Construction of principal spillway and riser:	*	*	*	
7a. - Barrel class. (ASTM C361) (DE) - Pipe certification from supplier (DE) - Pipe assembled in place on acceptable subgrade (GEO) - Watertight joints (DE) - Articulated joint 4 feet from riser (DE) - Lifts, compaction, soil material (GEO) - Location, dimensions (DE)				
7b. - Concrete cradle dimensions (DE) - Concrete strength tests (GEO)	*	*	*	
7c. - Anti-seep collars (location, collar dimensions and re-bar size) (DE) - Concrete strength tests (GEO)	*	*	*	
7d. - Filter diaphragm gradation and dimensions (if applicable) (GEO)		*	*	
7e. - Riser footing subgrade (GEO), dimensions, re-bar (DE) - Concrete strength tests (GEO)	*	*	*	

7f.	Precast Riser: - Shop drawings approved by DE, accepted by County - Visual inspection of riser (no cracks, spaulding, exposed steel, incorrect dimensions, honeycombing) (DE) - Certification from supplier (DE) - Watertight joints (DE) - Wall and opening dimensions per plan (DE)	*		*	
7g.	Cast-In-Place Riser: - Wall and opening dimensions per plan (DE) - Re-bar size, number, spacing acceptable (DE) - Concrete testing and certification (GEO) - Watertight joints (DE) - Extreme weather provisions (DE)	*	*	*	
7h.	Valve/orifice plate installation (DE). Note: may be delayed for SC purposes.	*		*	
8.	Backfilling of principal spillway (GEO)		*	*	
9.	Underdrain (if applicable) location (DE), pipe size (DE), filter cloth (DE), gravel (DE), field adjustments (GEO).	*	*	*	
10.	Channelization work and pond outfall protection (DE) or (GEO)	*		*	
11.	Diversion of stream through principal spillway (DE)	*	*	*	
12.	Construction of embankment - Lifts, compaction, soil material (GEO) - Location, dimension (DE)	*		*	
13.	Construction of emergency spillway in cut (DE)	*		*	
14.	Field verification of constructed contours (DE)	*		*	
15.	Permanent vegetative stabilization, delivery tickets from supplier			*	
16.	Submit record drawing and documentation (DE) and (GEO)	*			
17.	Other items. (Set valve(s) to design opening values, if required) (DE)	*		*	
18.	Final inspection (DE) and (GEO)	*	*	*	
NOTES:					
1.	Permittee to supply Design Engineer with delivery tickets for all materials used in Pond construction, for submission with the as-built package. DPS Inspection Telephone: (240) 777-6210				
2.	See construction specifications this plan for detailed requirements.				
3.	A copy of this completed checklist must be submitted as part of the stormwater management as-built package. MNCP&PC Inspection Telephone: (301) 495-4571				