

PLAN VIEW


NOTES:

- THIS SCHEMATIC PRESENTS AN EXAMPLE OF A WATER QUALITY TREATMENT TRAIN UTILIZING A LEVEL SPREADER. IT IS NOT INTENDED TO BE USED FOR ENERGY DISSIPATION APPLICATIONS.
- LEVEL SPREADERS MAY BE USED IN OTHER APPLICATIONS THAT REQUIRE SITE SPECIFIC DESIGN.
- TREATMENT TRAIN UTILIZING LEVEL SPREADER AND OTHER BMPs MUST DEMONSTRATE COMPLIANCE WITH GREENVILLE COUNTY WATER QUALITY STANDARDS BY USING IDEAL.
- THIS LEVEL SPREADER GUIDANCE IS APPLICABLE FOR MAXIMUM DESIGN PEAK FLOW OF 10 CFS.
- FOR DESIGN FLOWS GREATER THAN 3 CFS, LENGTH OF LEVEL SPREADER LIP MUST BE A MINIMUM OF 10 LF PER CFS OF DESIGN FLOW.
- FOR DESIGN FLOWS LESS THAN OR EQUAL TO 3 CFS, LENGTH OF LEVEL SPREADER LIP MUST BE A MINIMUM 30 LF.
- ALL FLOWS IN EXCESS OF LEVEL SPREADER DESIGN FLOW MUST BE DIVERTED THROUGH STABLE BYPASS FLOW CONVEYANCE.
- FOREBAY SHOULD BE SIZED WITH MINIMUM AREA OF 0.5% OF THE IMPERVIOUS DRAINAGE AREA AND HAVE A DEPTH RANGE BETWEEN 1 AND 3 FEET.
- ENGINEER MUST FILL OUT BOXES ON THIS DETAIL WITH NECESSARY INFORMATION AND DIMENSIONS TO DESCRIBE TREATMENT TRAIN AND INCLUDE ON PLANS.
- CONSULT SPECIFICATION WQ-13 AND DETAIL WQ-13B FOR DESIGN REQUIREMENTS FOR LEVEL SPREADER SWALE, LIP, AND OTHER FEATURES OF LEVEL SPREADER.

FLOW BYPASS SPECIFICATIONS	
TYPE OF CONVEYANCE	REQUIRED MATERIALS/SIZES/DIMENSIONS

FOREBAY DESIGN SPECIFICATIONS	
CONTRIBUTING IMPERVIOUS AREA (SQ.FT.)	FOREBAY AREA (SQ.FT.)

TREATMENT TRAIN DESIGN SPECIFICATIONS			
DESIGN FLOW (CFS)	LEVEL SPREADER LENGTH (L) (LF)	FILTER STRIP LENGTH (F) (LF)	BUFFER LENGTH (B) (LF)



Greenville County
Storm Water Management

LEVEL SPREADER

STANDARD DRAWING NO. WQ-13A

APPROVED BY: _____ March 2020
GREENVILLE COUNTY STORM WATER MANAGEMENT DATE

NOT TO SCALE