

**INSTALLATION NOTES:**

1. REFER TO MOST RECENT VERSION OF NCDEQ EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL FOR DESIGN CRITERIA.
2. LOCATE SEDIMENT INFLOW TO THE BASIN AWAY FROM THE DAM TO PREVENT SHORT CIRCUITS FROM INLETS TO OUTLETS.
3. A MINIMUM OF 3 POROUS BAFFLES BETWEEN INLET AND OUTLET REQUIRED INSTALLED PERPENDICULAR TO FLOW. BASINS LESS THAN 20 FEET IN LENGTH MAY USE 2 BAFFLES. EACH BAFFLE ZONE SHOULD COVER AN EQUAL AMOUNT OF BASIN SURFACE AREA.
4. POINTS OF ENTRANCE OF SURFACE RUNOFF INTO SEDIMENT BASIN MUST TRANSITION TO THE BASE OF THE SEDIMENT BASIN VIA STABLE TRANSITION (E.G., RIP RAP, SLOPE DRAIN, ETC.).
5. SAFETY FENCING (MIN. 3-FOOT HEIGHT) TO BE INSTALLED SURROUNDING THE BASIN.
6. COUPLE THE SKIMMER ARM DIRECTLY INTO THE EMBANKMENT 1 FOOT FROM THE BOTTOM OF THE BASIN.
7. BASINS MUST BE STABILIZED IMMEDIATELY UPON CONSTRUCTION AND PRIOR TO SITE INSPECTION APPROVAL.

**MAINTENANCE NOTES:**

1. MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK OR IMMEDIATELY AFTER EACH RAINFALL OF 1.0 INCH OR GREATER. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SEDIMENT SHALL BE REMOVED FROM EACH CHAMBER WHEN IT REACHES ONE-HALF THE DEPTH OF THE BAFFLE. REMOVE SEDIMENT AND RESTORE BASIN TO ITS ORIGINAL DIMENSIONS. REINSTALL BAFFLES WHEN DAMAGED.
3. ENSURE THE SKIMMER IS NOT CLOGGED WITH TRASH OR DEBRIS. IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, REMOVE ORIFICE AND CLEAR DEBRIS WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH CLEAN WATER. BE SURE TO REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.
4. CHECK THE EMBANKMENT, SPILLWAY, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT.
5. CHECK FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT.
6. IF DEWATERING SEDIMENT BASIN IS NECESSARY, NOTIFY NCDEMLR AND THE CITY PRIOR TO DEWATERING AND PUMP SILT BAG PER SILT BAG FOR DEWATERING ACTIVITIES DETAIL SW-20.04.
7. UNLESS CONVERSION TO PERMANENT DEVICE IS NECESSARY, AFTER ALL THE DISTURBED AREA DRAINING TO THE BASIN HAS BEEN PERMANENTLY STABILIZED, REMOVE THE BASIN HAS BEEN PERMANENTLY STABILIZED, REMOVE THE BASIN AND ALL UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND AND STABILIZE.

<b>CITY OF RALEIGH</b>		
<b>STANDARD DETAIL</b>		
<i>REVISIONS</i>	<i>DATE: 9/2024</i>	<i>NOT TO SCALE</i>
	SKIMMER SEDIMENT BASIN	
	<b>SW-20.07.2</b>	