

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. SECURELY ATTACH THE RISER TO THE BARREL OR BARREL STUB TO MAKE A WATERTIGHT STRUCTURAL CONNECTION. ALL CONNECTIONS SHOULD BE MADE USING APPROVED WATERTIGHT ASSEMBLES.
7. THE ARM PIPE CONNECTING THE SKIMMER TO THE RISER SHALL HAVE A MINIMUM LENGTH OF 6 FEET
8. PLACE BARREL AND RISER ON A FIRM, SMOOTH FOUNDATION OF IMPERVIOUS SOIL.
9. ANCHOR RISER IN PLACE BY CONCRETE OR OTHER SATISFACTORY MEANS TO PREVENT FLOATATION.
10. 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. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE RISER AND POOL AREA.
7. 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.
8. UNLESS CONVERSION TO PERMANENT DEVICE IS NECESSARY, AFTER ALL THE DISTURBED AREA DRAINING TO THE BASIN HAS BEEN PERMANENTLY STABILIZED, REMOVE THE BASIN AND ALL UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND AND STABILIZE.

CITY OF RALEIGH		
STANDARD DETAIL		
<i>REVISIONS</i>	<i>DATE: 9/2024</i>	<i>NOT TO SCALE</i>
	RISER SEDIMENT BASIN	
	SW-20.08.2	