



TURBIDITY CURTAIN (IN BASIN):

1. TURBIDITY CURTAINS MAY BE USED IN LIEU OF BAFFLES IN SEDIMENT OR SKIMMER BASINS WHERE THE TEMPORARY OR PERMANENT POOL ELEVATION WILL CONSISTENTLY BE ABOVE 3 FT (I.E. ABOVE TYPICAL INSTALLED BAFFLE HEIGHT).
2. A MINIMUM OF ONE TURBIDITY CURTAIN SHALL BE USED IN SKIMMER BASINS (30.02A) AND A MINIMUM OF ONE ROCK BAFFLE AND ONE TURBIDITY CURTAIN SHALL BE USED IN SEDIMENT BASINS (30.03A).
3. TYPE 1 TURBIDITY CURTAINS (FOR CALM WATERS) AT A MINIMUM SHALL BE USED, CONSTRUCTED OF MINIMUM SPECIFICATIONS OF 13 OZ. PVC FABRIC, 4 IN. FLOAT, AND A 3/16 IN. BOTTOM BALLAST CHAIN. THE MAXIMUM SPAN BETWEEN JOINTS IS 100 FT.
4. THE CURTAIN SHOULD EXTEND ACROSS THE ENTIRE WIDTH OF THE BASIN, BETWEEN THE SKIMMER/OUTLET ZONE AND INLETS AND BE ANCHORED TO THE BASIN EMBANKMENT A MINIMUM OF 6 INCHES ABOVE THE PRIMARY SPILLWAY ELEVATION. THE TURBIDITY CURTAIN SHALL EXTEND TO 1 FOOT ABOVE THE BOTTOM OF THE BASIN.
5. ACCUMULATED SEDIMENT SHALL BE REMOVED BEHIND THE TURBIDITY CURTAIN(S) TO RESTORE BASIN CAPACITY ONCE 50% CAPACITY IS REACHED.
6. WHEN THE CURTAIN IS NO LONGER REQUIRED, THE CURTAIN AND COMPONENTS SHALL BE REMOVED IN SUCH A MANNER AS TO MINIMIZE TURBIDITY. REMAINING SEDIMENT SHALL BE SUFFICIENTLY SETTLED BEFORE REMOVING THE CURTAIN. SEDIMENT MAY NEED TO BE REMOVED TO ACHIEVE THE PERMANENT PLANNED ELEVATION AND SPOILS PROPERLY DISPOSED OR STABILIZED.

TURBIDITY CURTAIN (IN POND/COVE):

1. TURBIDITY CURTAINS MAY BE USED IN PONDS OR COVES (WITH REQUISITE APPROVAL) WHERE UPSLOPE DISTURBANCES/CONSTRUCTION WILL OCCUR TO REDUCE SEDIMENT TRANSPORT TO A LIMITED AREA IN THE RECEIVING WATERCOURSE.
2. TYPE 1 TURBIDITY CURTAINS SHALL BE USED IN PROTECTED AREAS WHERE THERE IS NO CURRENT AND THE AREA IS SHELTERED FROM WIND AND WAVES, CONSTRUCTED OF MINIMUM SPECIFICATIONS OF 13 OZ. PVC FABRIC, 4 IN. FLOAT, AND A 3/16 IN. BOTTOM BALLAST CHAIN. THE MAXIMUM SPAN BETWEEN JOINTS IS 100 FT. SHOULD TYPE 2 OR TYPE 3 TURBIDITY CURTAINS BE NEEDED (WHERE THERE MAY BE SMALL TO CONSIDERATE CURRENT AND/OR WIND AND WAVE ACTION), ENGINEERED SPECIFICATIONS SHALL BE PROVIDED WITH THE PLAN SUBMISSION. TURBIDITY CURTAINS SHOULD NOT BE PLACED ACROSS THE MAIN FLOW OF A SIGNIFICANT BODY OF MOVING WATER.
3. THE TURBIDITY CURTAIN SHOULD BE ANCHORED TO THE SHORELINE ABOVE THE NORMAL HIGH WATER MARK, TOWED TO THE DESIRED LOCATION, AND ANCHORED (IF NEEDED) TO MAINTAIN THE DESIRED LOCATION WITHIN THE WATERCOURSE. THE TURBIDITY CURTAIN SHOULD EXTEND TO 1 FT ABOVE THE BOTTOM OF THE WATERCOURSE.
4. WHEN THE CURTAIN IS NO LONGER REQUIRED, THE CURTAIN, ANCHORS, AND COMPONENTS SHALL BE REMOVED AND IN SUCH A MANNER AS TO MINIMIZE TURBIDITY. REMAINING SEDIMENT SHALL BE SUFFICIENTLY SETTLED BEFORE REMOVING THE CURTAIN. SEDIMENT MAY NEED TO BE REMOVED TO ACHIEVE THE ORIGINAL DEPTH OF THE WATERCOURSE AND SPOILS PROPERLY DISPOSED OR STABILIZED.

NOT TO SCALE



CITY OF CHARLOTTE  
LAND DEVELOPMENT STANDARDS  
INCLUDES CHARLOTTE ETJ

TURBIDITY CURTAIN

STD. NO.	REV.
30.23	18