

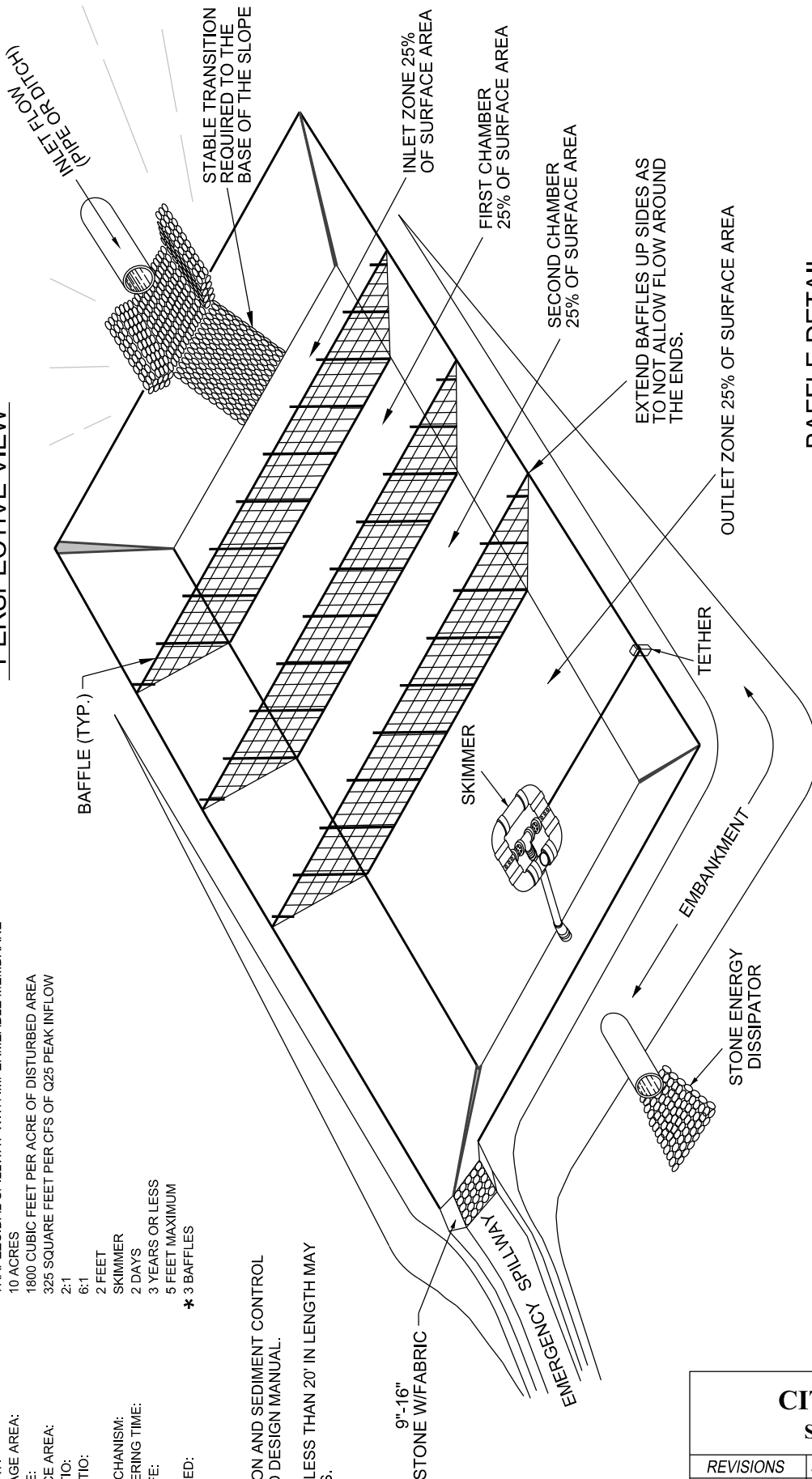
### DESIGN CRITERIA

- SUMMARY:**  
 SKIMMER SEDIMENT BASIN  
 TRAPEZOIDAL SPILLWAY WITH IMPERMEABLE MEMBRANE  
 10 ACRES  
 1800 CUBIC FEET PER ACRE OF DISTURBED AREA  
 325 SQUARE FEET PER CFS OF Q25 PEAK INFLOW  
 2:1  
 6:1  
 2 FEET  
 SKIMMER  
 2 DAYS  
 3 YEARS OR LESS  
 5 FEET MAXIMUM  
 \* 3 BAFFLES

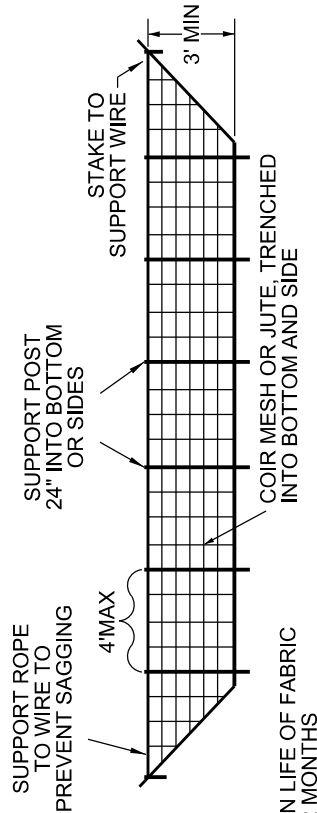
SEE NC EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

\* NOTE: BASINS LESS THAN 20' IN LENGTH MAY USE 2 BAFFLES.

### PERSPECTIVE VIEW



### BAFFLE DETAIL



- NOTES:**
1. LOCATE SEDIMENT INFLOW TO THE BASIN AWAY FROM THE DAM TO PREVENT SHORT CIRCUITS FROM INLETS TO OUTLETS.
  2. BASIN MUST BE STABILIZED IMMEDIATELY UPON CONSTRUCTION AND PRIOR TO SITE INSPECTION APPROVAL.

DESIGN LIFE OF FABRIC IS 6-12 MONTHS

CITY OF RALEIGH		
STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
SKIMMER SEDIMENT BASIN		
<b>SW-20.28</b>		