TEMPORARY SEDIMENT TRAP

CITY OF RALEIGH

REVISIONS
NOT TO SCALE

DATE: 8/2020

B A F F L E  (T Y P .)

IN L E T  F L O W

E A R T H E N  E M B A N K M E N T

5' C R E S T  W

ID T H

IN L E T  Z O N E

F I R S T  C H A M B E R

25%  O F  S U R F A C E  A R E A

S E C O N D  C H A M B E R

25%  O F  S U R F A C E  A R E A

O U T L E T  Z O N E

25%  O F  S U R F A C E  A R E A

EXTEND BAFFLES UP SIDES AS TO NOT ALLOW FLOW AROUND THE ENDS.

O U T L E T ,  S E E  D E T A I L  20.05.2

INLET, SEE DETAIL 20.05.2

MAINTENANCE:
REPAIR/REPLACE BAFFLES WHEN THEY COLLAPSE, TEAR OR DECOMPOSE.
REMOVE SEDIMENT WHEN CELL IS 1/2 FULL.

NOTES:
1. 3 BAFFLES (MIN) BETWEEN INLET & OUTLET.
2. SEE N.C. DEQ EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.
3. LOCATE SEDIMENT INFLOW TO THE BASIN AWAY FROM THE DAM TO PREVENT SHORT CIRCUITS FROM INLETS TO OUTLETS.
4. AT A MINIMUM, SEED, STRAW & TACK APPLICATION REQUIRED FOR SITE INSPECTION APPROVAL.
5. TRAPS MUST BE STABILIZED IMMEDIATELY UPON CONSTRUCTION AND PRIOR TO SITE INSPECTION APPROVAL.

DESIGN LIFE OF FABRIC IS 6-12 MONTHS

B A F F L E  D E T A I L

COIR MESH OR JUTE, TRENCHED INTO BOTTOM AND SIDE

SUPPORT ROPE TO WIRE TO PREVENT SAGGING

SUPPORT POST 24" INTO BOTTOM OR SIDES

STAKE TO SUPPORT WIRE

MIN. LENGTH:WIDTH RATIO - 2:1

TOP VIEW

PERSPECTIVE VIEW

STABLE TRANSITION REQUIRED TO THE BASE OF THE SLOPE

SW-20.05.1

CITY OF RALEIGH

STANDARD DETAIL