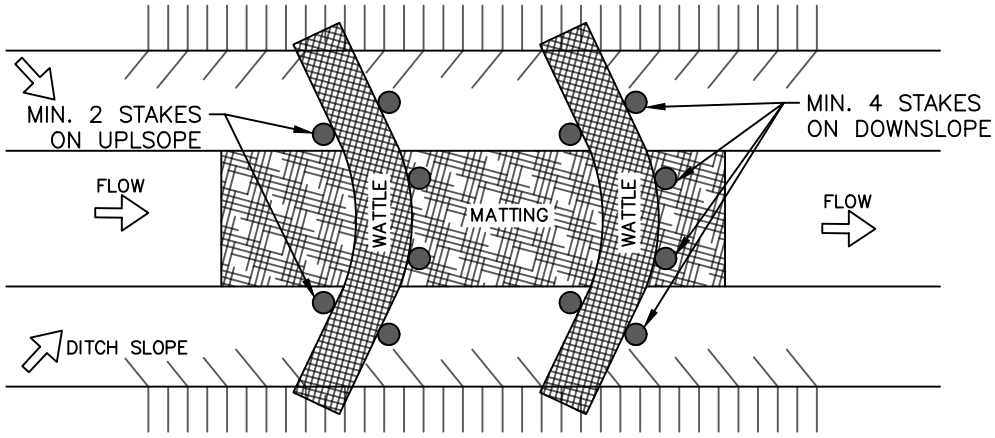
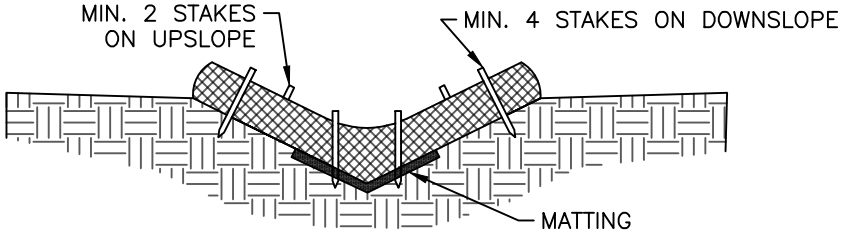
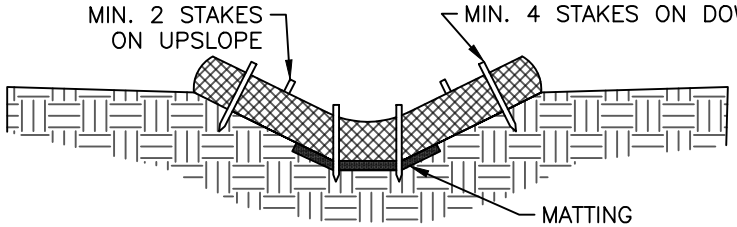


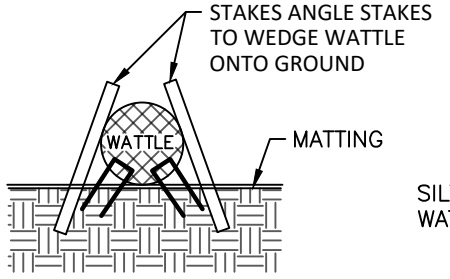
PLAN VIEW



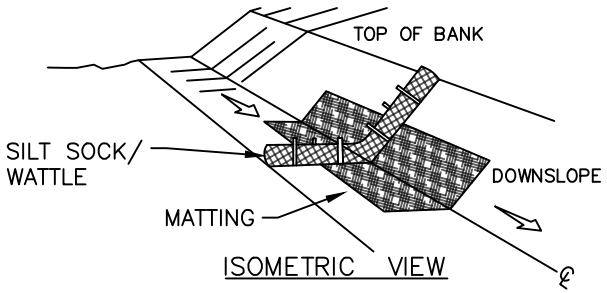
V– DITCH SECTION VIEW



TRAPEZOIDAL DITCH SECTION VIEW



STAKE INSTALLATION CROSS–SECTION



ISOMETRIC VIEW

" NOT TO SCALE "

NOTES:

1. OTHER MATERIALS PROVIDING EQUIVALENT PROTECTION AGAINST EROSIVE VELOCITIES MAY BE SUBSTITUTED FOR COMPOST USE IN SILT SOCKS OR WATTLES.
2. FILL SILT SOCK/WATTLE NETTING UNIFORMLY TO THE DESIRED LENGTH SUCH THAT LOGS DO NOT DEFORM.
3. USE 24 INCH LONG WOODEN STAKES WITH A 2 INCH X 2 INCH NOMINAL CROSS SECTION.
4. INSTALL SILT SOCK/WATTLE(S) TO A HEIGHT ON SLOPE SO FLOW WILL NOT WASH AROUND SILT SOCK/WATTLE AND SCOUR SLOPES, OR AS DIRECTED.
5. INSTALL A MINIMUM OF TWO UP–SLOPE STAKES AND FOUR DOWN–SLOPE STAKES AT AN ANGLE TO WEDGE SILT SOCK/WATTLE TO GROUND AT BOTTOM DITCH. USE STAPLES TO SECURE SILT SOCK/WATTLE TO THE GROUND TO PREVENT UNDERMINING.
6. THE USE OF FLOCCULANTS SUCH AS POLYACRYLAMIDE (PAM) IS RECOMMENDED. APPLY FLOCCULANTS ON TOP OF SOCK/WATTLE AND TO MATTING ON EITHER SIDE OF SOCK/WATTLE ACCORDING TO MANUFACTURER RECOMMENDED RATES. REAPPLY AFTER EACH 1.0 INCH RAINFALL.

MAINTENANCE:

1. INSPECT ALL MEASURES WEEKLY AND AFTER EACH RAINFALL OF 1.0 INCH OR GREATER. REMOVE ACCUMULATED SEDIMENT AND ANY DEBRIS.
2. SILT SOCK/WATTLE(S) MUST BE REPLACED IF CLOGGED OR TORN.
3. IF PONDING BECOMES EXCESSIVE, THE SILT SOCK/WATTLE MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE.
4. REINSTALL IF DAMAGED OR DISLODGED.
5. SILT SOCKS/WATTLES SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPETE AND THE AREA ABOVE THE MEASURE IS PERMANENTLY STABILIZED.

Spacing Between Socks / Wattles (Feet)

Channel Slope (%)	8–inch Diameter Sock	12–inch Diameter Sock
1	67	100
2	33	50
3	22	33
4	17	25
5	13	20

TOWN OF CHAPEL HILL
STANDARD DETAIL

REVISIONS

SILT SOCK/ WATTLE FOR CHECK DAM

DATE: 05/2024

EC-9.02

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