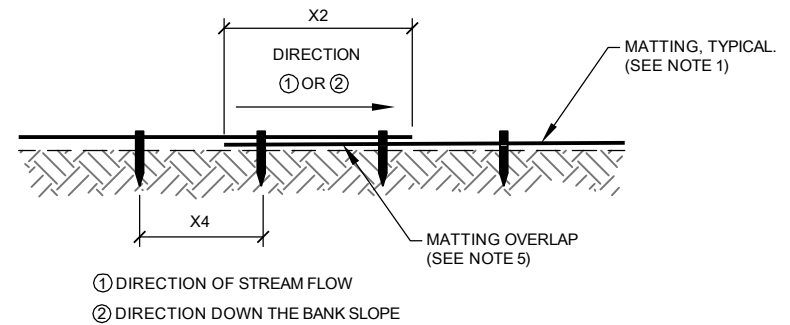
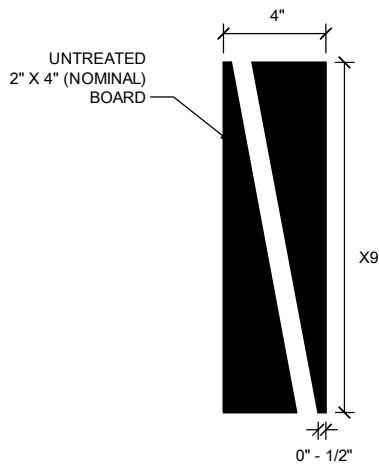


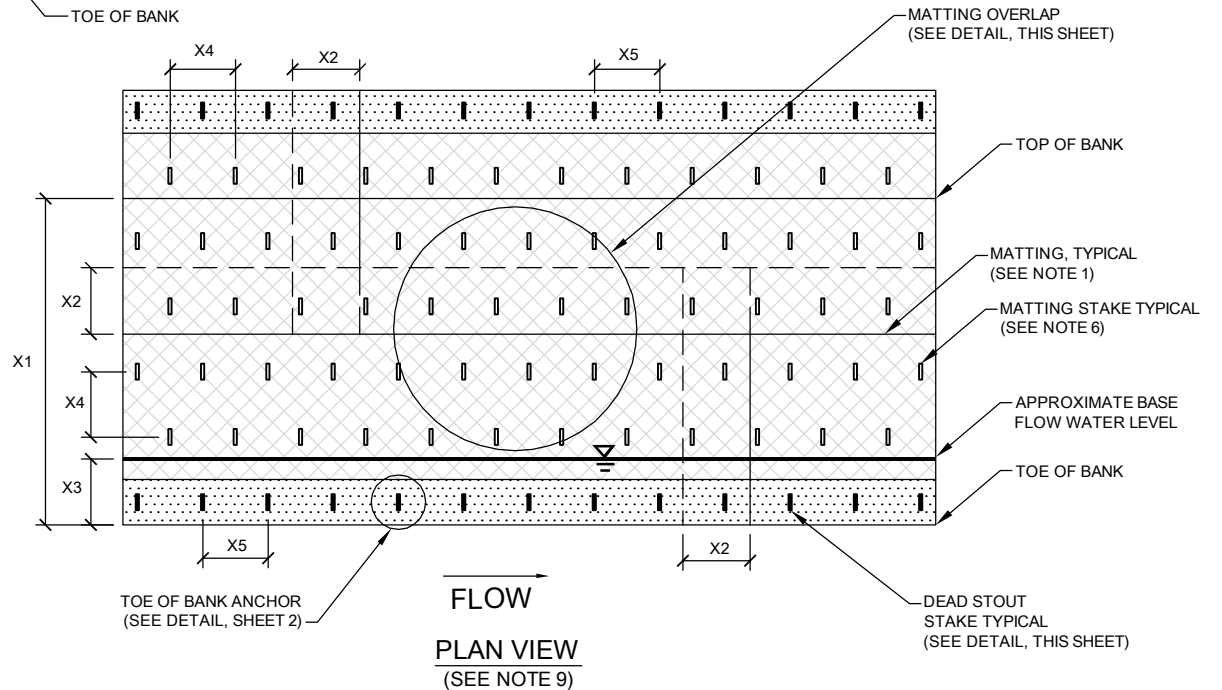
CROSS-SECTION



MATTING OVERLAP DETAIL



DEAD STOUT STAKE DETAIL



**PLAN VIEW
(SEE NOTE 9)**

THIS FIGURE IS ONLY MEANT TO DEFINE THE MINIMUM INFORMATION REQUIRED BY THE CITY OF CHARLOTTE TO BE INCLUDED IN A DETAIL FOR THIS TYPE OF TECHNIQUE.
THIS FIGURE IS NOT MEANT TO REPRESENT A STANDARD DESIGN METHOD FOR THIS TYPE OF TECHNIQUE AND SHALL NOT BE USED AS SUCH.

NOT TO SCALE

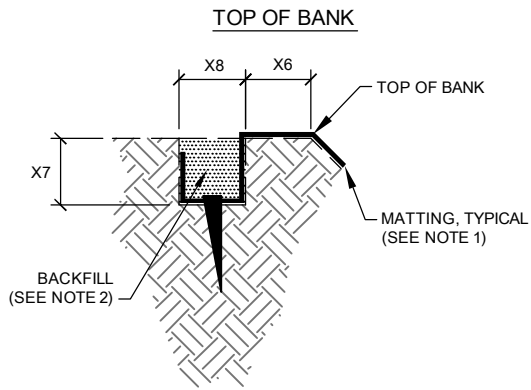


CHARLOTTE-MECKLENBURG
STORM WATER SERVICES
GENERIC DETAIL REQUIREMENTS

EROSION CONTROL MATTING

DRAFT - NOT TO BE USED FOR CONSTRUCTION

SHEET NUMBER	
1 OF 2	
REV. DATE	REV. #



MATTING ANCHOR DETAIL

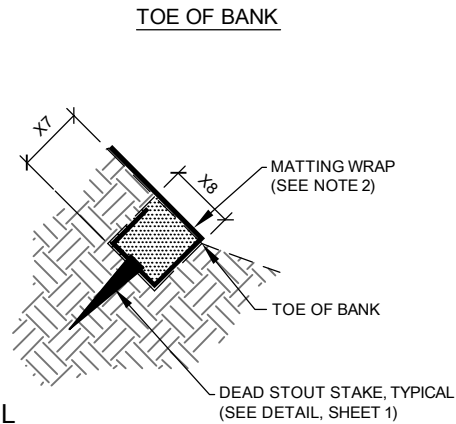


PHOTO: EROSION CONTROL MATTING ON STREAM BANK

NOTES:

1. EROSION CONTROL MATTING SHALL CONSIST OF A GEOTEXTILE OF A TYPE SPECIFIED BY THE DESIGNER INSTALLED FLAT AND STAKED AGAINST A SLOPE AND/OR A STREAM BANK.
2. MATTING SHALL BE ANCHORED IN A TRENCH AT BOTH THE TOE AND TOP OF THE STREAM BANK. DEAD STOUT STAKES AND CLEAN SOIL BACKFILL SHALL BE USED TO SECURE THE MATTING INTO THE TOE AND TOP OF BANK TRENCHES. TO PREVENT EROSION OR "WASHING OUT" OF BACKFILL IN THE TOE OF BANK ANCHOR TRENCH, MATTING SHALL BE INSTALLED SO THAT IT WRAPS OVER THE DEAD STOUT STAKE AND BACKFILL, THUS POSITIONING THE REMAINING MATTING FOR INSTALLATION UP THE STREAM BANK.
3. THE SLOPE AND/OR STREAM BANK SHALL BE PREPARED (GRADED, TILLED, SMOOTHED, ETC.) AND SEEDED AND MULCHED AS SPECIFIED BY THE DESIGNER PRIOR TO THE PLACEMENT OF THE MATTING.
4. THE MATTING SHALL BE INSTALLED SO AS TO NOT BE IN TENSION, BUT BE PLACED NEATLY, FLUSH AGAINST THE SOIL, AND WITH NO GAPS OR WRINKLES.
5. ANY MATTING OVERLAPS NECESSARY SHALL BE OF A LENGTH SPECIFIED BY THE MANUFACTURER OR AS OTHERWISE SPECIFIED BY THE DESIGNER. ALSO, OVERLAPS SHALL BE ORIENTED IN A DOWN-SLOPE DIRECTION, DOWNSTREAM DIRECTION, OR OTHERWISE "SHINGLE-STYLE" IN ACCORDANCE WITH THE DIRECTION OF THE DOMINANT EROSION ACTION SO THAT THE MATTING END IS PROTECTED AGAINST MOVEMENT.
6. THE FIELD OF THE MATTING OVER THE SURFACE OF THE SLOPE AND/OR STREAM BANK SHALL BE SECURED WITH MATTING STAKES OF A SIZE AND TYPE, IN A PATTERN, AND WITH SPACING DIMENSIONS AS SPECIFIED BY THE MANUFACTURER OR AS OTHERWISE SPECIFIED BY THE DESIGNER.
7. MATTING SHALL BE NEATLY SECURED AROUND ANY PROJECT STRUCTURES, STRUCTURE ARMS, AND/OR SILLS TO PREVENT ANY LOOSE OR FRAYED EDGES.
8. THERE SHALL BE NO LOOSE ENDS OR UNSECURED MATTING ON THE COMPLETED WORK.
9. THE PLAN VIEW ILLUSTRATES A PERPENDICULAR PERSPECTIVE OF EACH SURFACE DEPICTED IN THE CROSS SECTION. THERE IS NO FORESHORTENING OF THE STREAM BANK (OR ANY OTHER SLOPED SURFACE) IN THE PLAN VIEW.

DIMENSIONS (VALUES TO BE PROVIDED BY DESIGNER)

VARIABLE	VALUES	TYPICAL UNIT	DESCRIPTION
X1		FT.	MATTING HEIGHT (SPECIFY RANGE IF HEIGHT VARIES)
X2		FT. OR IN.	MATTING OVERLAP
X3		FT. OR IN.	MATTING RELATIONSHIP TO APPROXIMATE BASE FLOW WATER LEVEL
X4		FT. OR IN.	MATTING STAKE SPACING
X5		FT. OR IN.	DEAD STOUT STAKE SPACING IN ANCHOR TRENCHES
X6		IN.	TOP OF BANK ANCHOR TRENCH SETBACK FROM TOP OF BANK
X7		IN.	ANCHOR TRENCH DEPTH
X8		IN.	ANCHOR TRENCH WIDTH
X9		IN.	DEAD STOUT STAKE LENGTH

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SHEET NUMBER

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REV. DATE REV. #