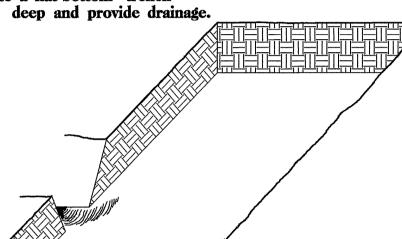
PLANTING DETAILS

SEEDLING / LINER BAREROOT PLANTING DETAIL

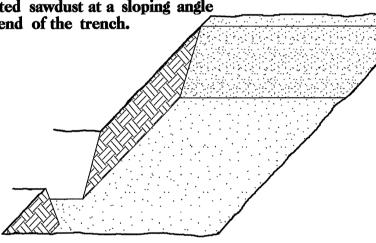
HEALING IN

1. Locate a healing-in site in a shady, well protected area.

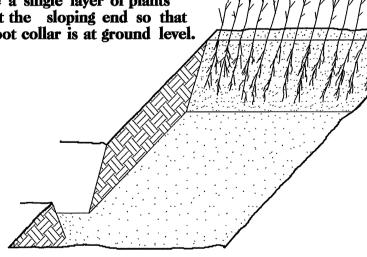
2. Excavate a flat bottom trench 300mm deep and provide drainage.



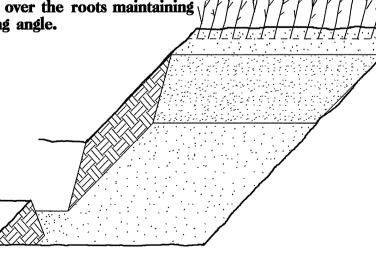
3. Backfill the trench with 50mm well rotted sawdust. Place a 50mm layer of well rotted sawdust at a sloping angle at one end of the trench.



4. Place a single layer of plants against the sloping end so that the root collar is at ground level.

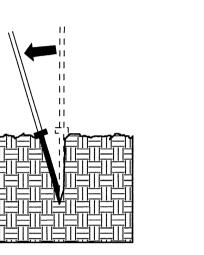


5. Place a 50mm layer of well rotted, y sawdust over the roots maintaining a sloping angle.

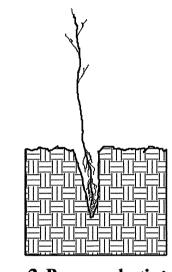


6. Repeat layers of plants and sawdust as necessary and water thoroughly.

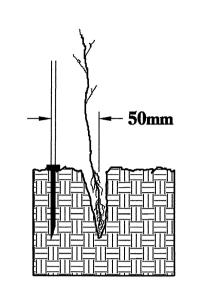
DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR



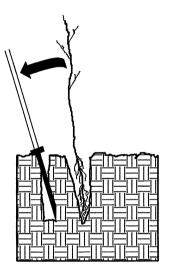
1. Insert planting bar as shown and pull handle toward planter.



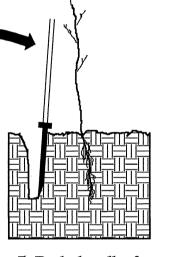
2. Remove planting bar and place seedling at correct depth.



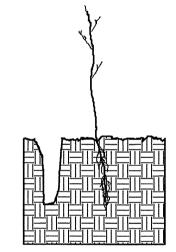
3. Insert planting bar 50mm toward planter from



4. Pull handle of bar toward planter, firming soil at bottom.



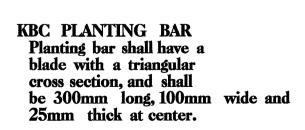
5. Push handle forward firming soil at top.



6. Leave compaction hole open. Water thoroughly.

PLANTING NOTES:

PLANTING BAG
During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.



ROOT PRUNING
All seedlings shall be root
pruned, if necessary, so that
no roots extend more than
250mm below the
root collar.



PROJECT REFERENCE NO.

R-2554BA

RF-I

R /W SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

REFORESTATION

☐ TREE REFORESTATION SHALL BE PLANTED 1.8m TO 3.0m ON CENTER, RANDOM SPACING, AVERAGING 2.4m ON CENTER, APPROXIMATELY 1680 PLANTS PER HECTARE.

REFORESTATION

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

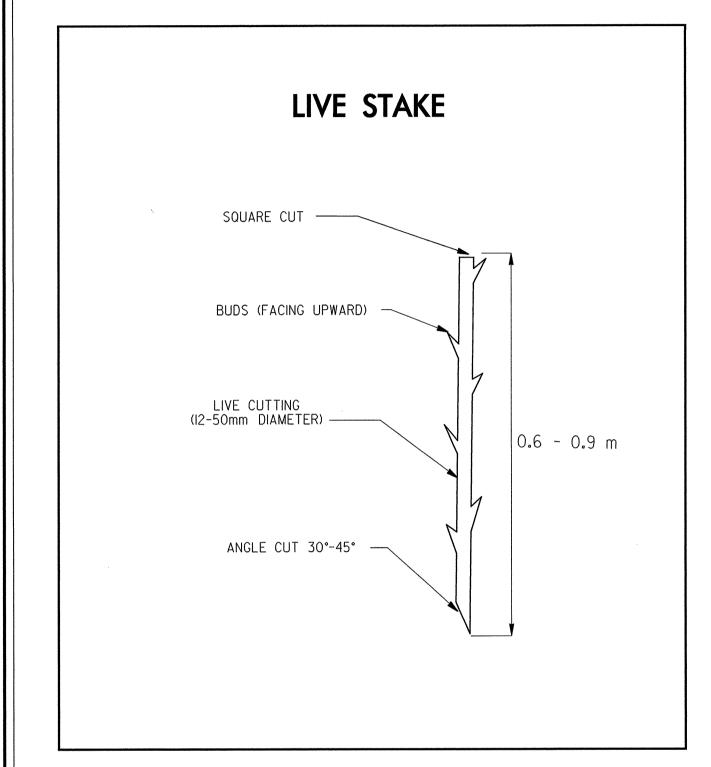
25%	BETULA NIGRA	RIVER BIRCH	305mm	- 457mm	BR
25 %	PLATANUS OCCIDENTALIS	SYCAMORE	305mm	- 457mm	BR
25%	LIRIODENDRON TULIPIFERA	TULIP POPLAR	305mm	- 457mm	BR
25%	JUGLANS NIGRA	BLACK WALNUT	305mm	- 457mm	BR

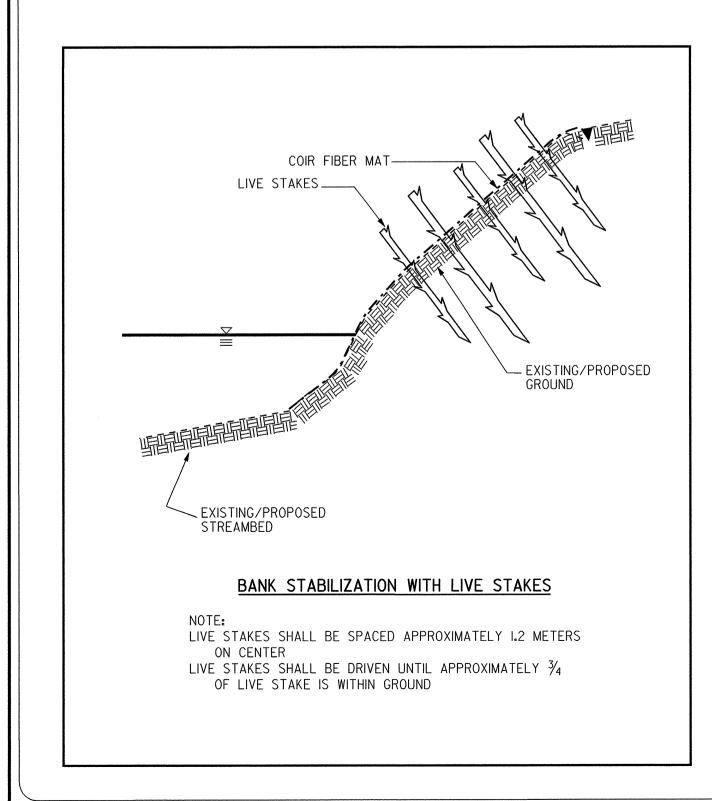
REFORESTATION DETAIL SHEET

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

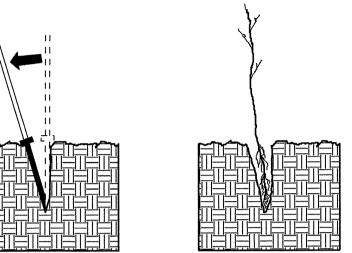
PLANTING DETAILS

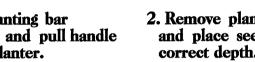
LIVE STAKES PLANTING DETAIL

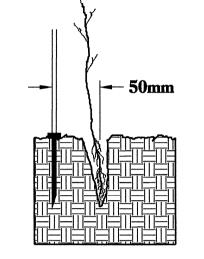


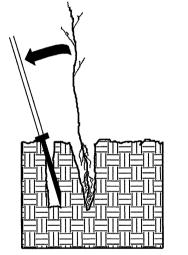


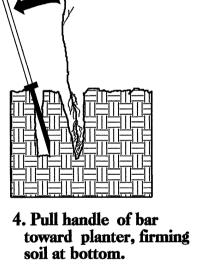
BAREROOT PLANTING DETAIL DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR

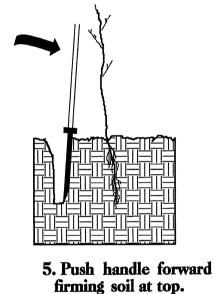


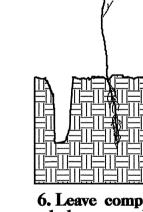












6. Leave compaction hole open. Water thoroughly.

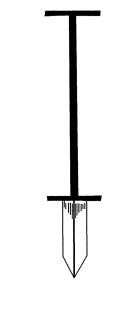
PLANTING NOTES:

PLANTING BAG
During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.



KBC PLANTING BAR Planting bar shall have a blade with a triangular cross section, and shall be 300mm long, 100mm wide and 25mm thick at center.

ROOT PRUNING All seedlings shall be root pruned, if necessary, so that no roots extend more than 250mm below the



R-2554BA METRIC R /W SHEET NO. ROADWAY DESIGN TYPE 1 STREAMBANK REFORESTATION SHALL BE PLANTED 0.9m TO 1.5m ON CENTER, RANDOM SPACING, AVERAGING 1.2m ON CENTER,

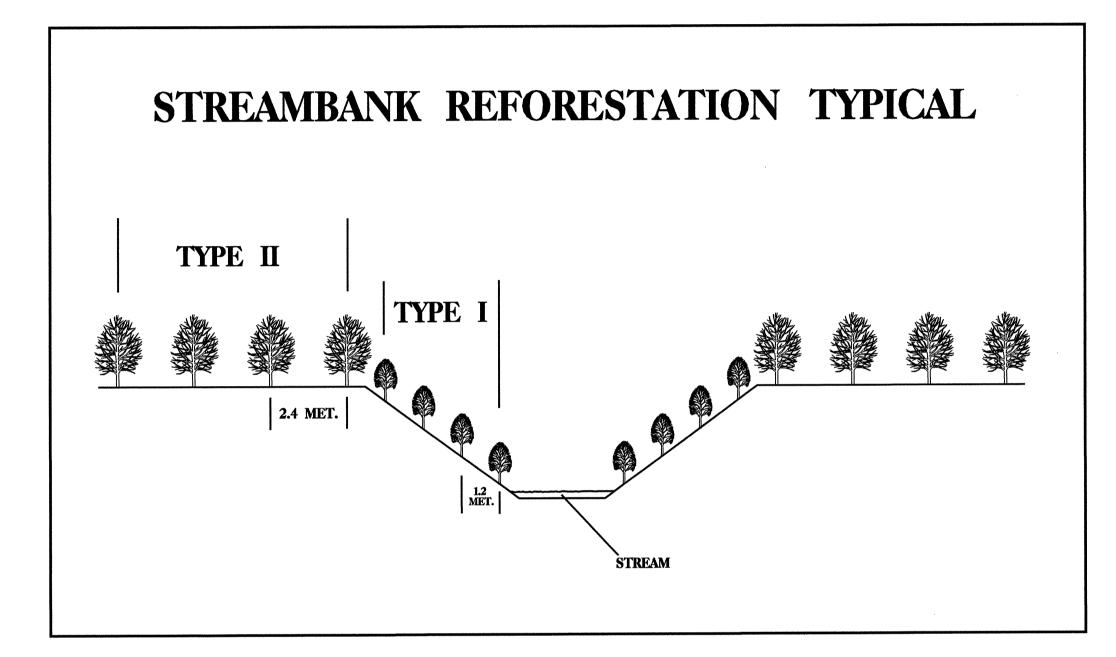
PROJECT REFERENCE NO.

HYDRAULICS ENGINEER

APPROXIMATELY 6726 PLANTS PER HECTARE. TYPE 2 STREAMBANK REFORESTATION SHALL BE PLANTED 1.8m TO 3.0m ON CENTER, RANDOM SPACING, AVERAGING 2.4m ON CENTER,

NOTE: TYPE 1 AND TYPE 2 STREAMBANK REFORESTATION SHALL BE PAID FOR AS "STREAMBANK REFORESTATION"

APPROXIMATELY 1680 PLANTS PER HECTARE.

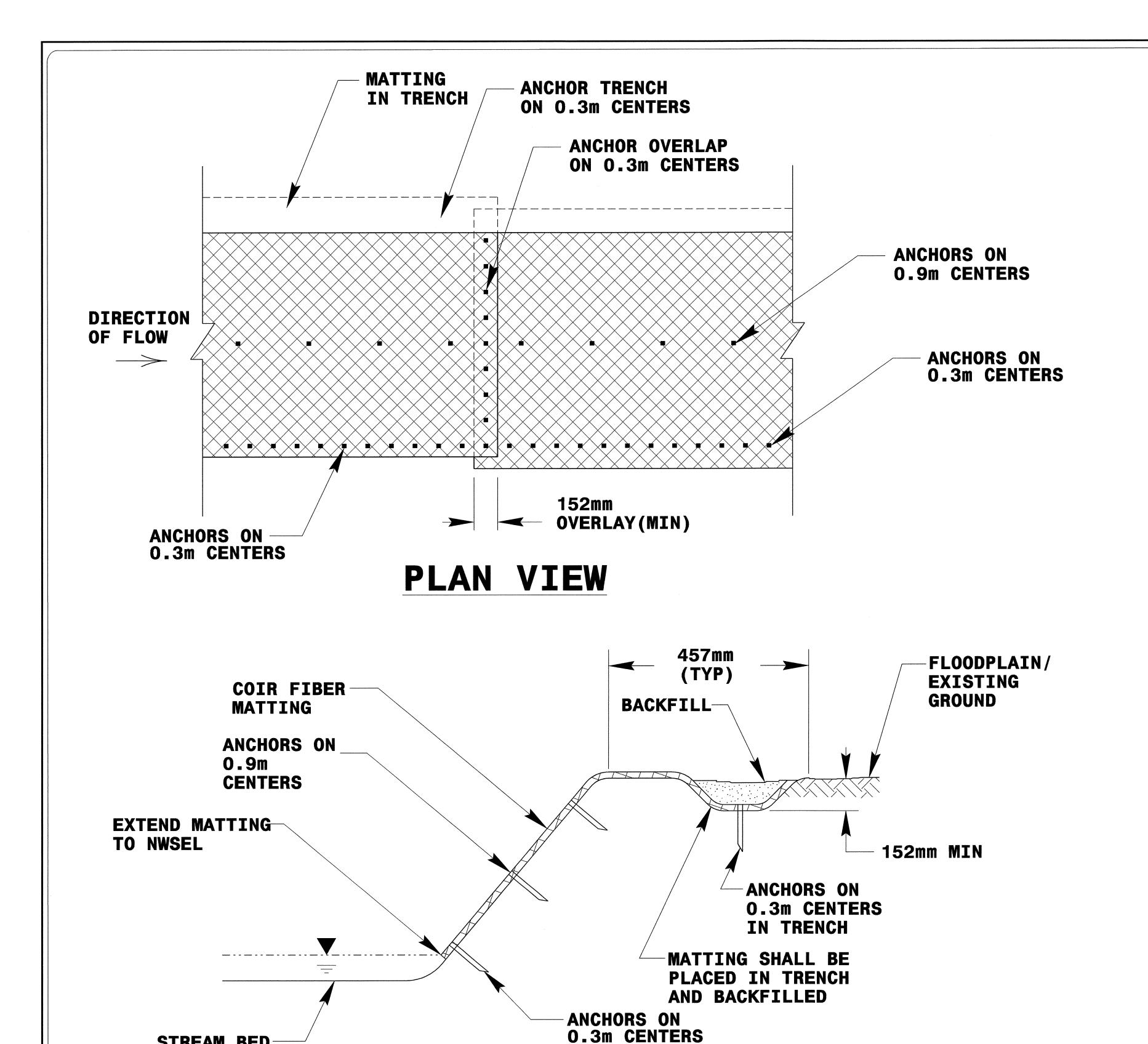


MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:					
TYPE 1					
50% SALIX NIGRA	BLACK WILLOW	0.6m to 0.9m LIVE STAKES			
50% CORNUS AMOMUM	SILKY DOGWOOD	0.6m to 0.9m LIVE STAKES			
TYPE 2					
25% LIRIODENDRON TULIPIFERA	TULIP POPLAR	305mm - 457mm BR			
25% PLATANUS OCCIDENTALIS	SYCAMORE	305mm - 457mm BR			
25% JUGLANS NIGRA	BLACK WALNUT	305mm - 457mm BR			
25% BETULA NIGRA	RIVER BIRCH	305mm - 457mm BR			

SEE PLAN SHEETS FOR AREAS TO BE PLANTED

STREAMBANK REFORESTATION DETAIL SHEET 1 OF 2

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

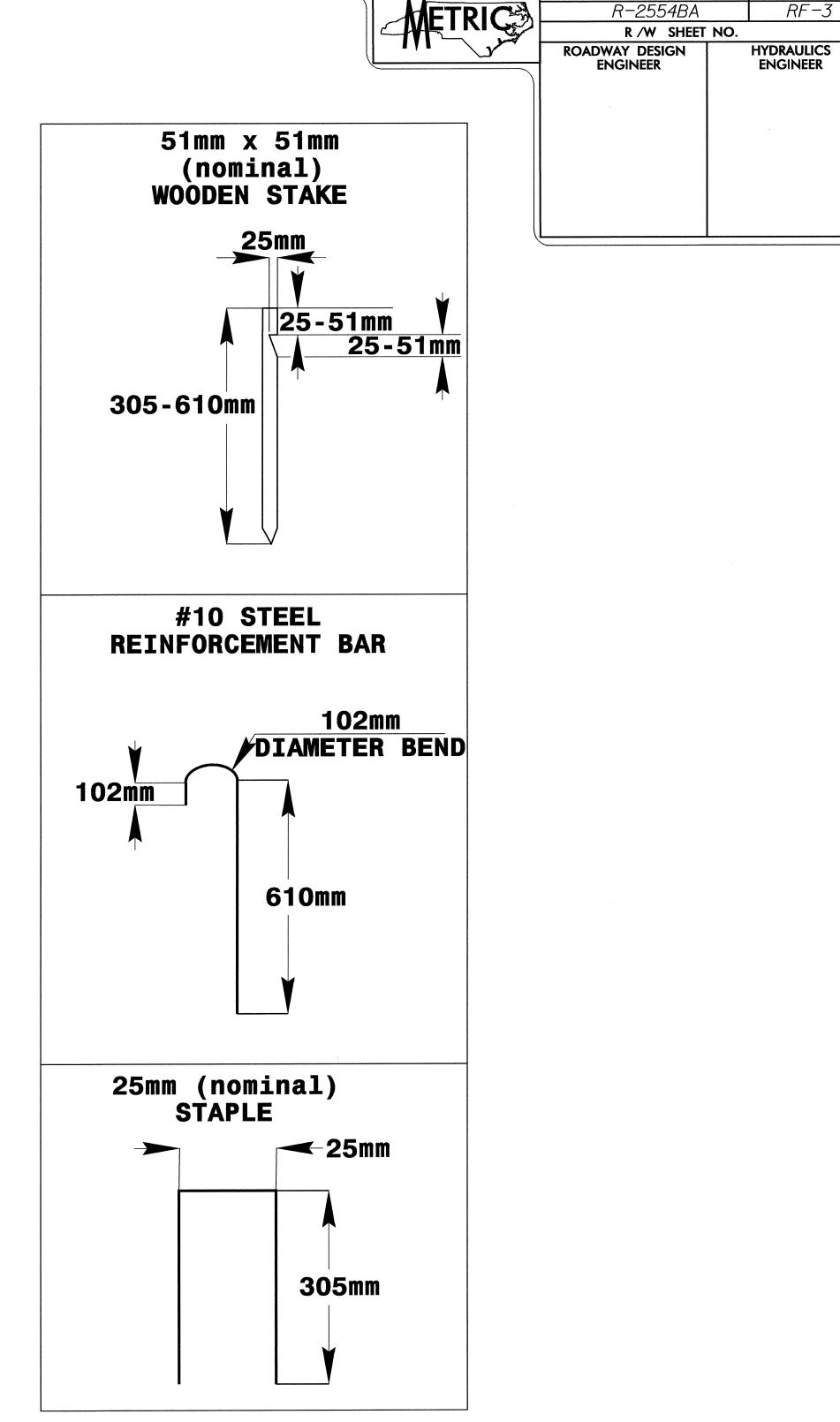


TYPICAL CROSS SECTION

COIR FIBER MATTING DETAIL

STREAM BED

NOT TO SCALE



PROJECT REFERENCE NO.

R-2554BA

SHEET NO.

ANCHOR OPTIONS

STREAMBANK REFORESTATION DETAIL SHEET 2 OF 2

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT