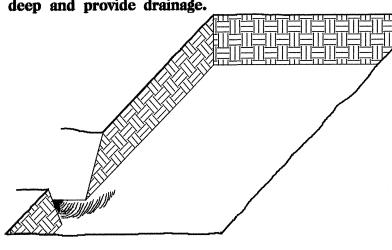
PLANTING DETAILS

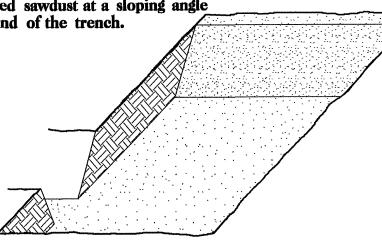
SEEDLING / LINER BAREROOT PLANTING DETAIL

HEALING IN

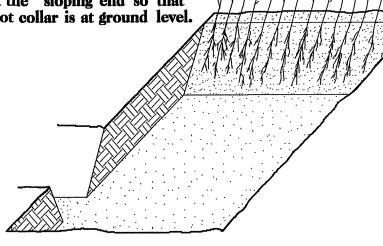
- 1. Locate a healing-in site in a shady, we protected area.
- 2. Excavate a flat bottom trench 300mm deep and provide drainage.



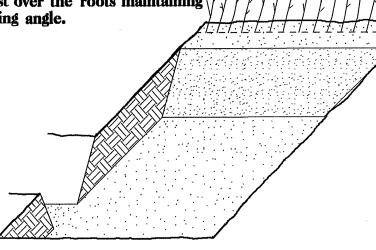
3. Backfill the trench with 50mm well rotted sawdust. Place a 50mm layer of well rotted sawdust at a sloping angle at one end of the trench.



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

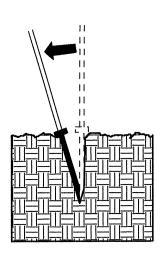


5. Place a 50mm layer of well rotted sawdust over the roots maintaining a sloping angle.

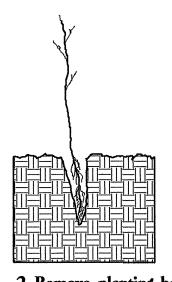


6. Repeat layers of plants and sawdust as necessary and water thoroughly.

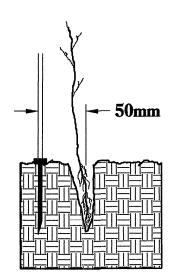
DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR



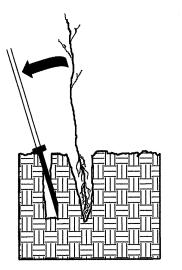
1. Insert planting bar as shown and pull handle toward planter.



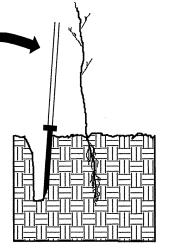
2. Remove planting bar and place seedling at correct depth.



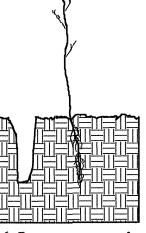
3. Insert planting bar 50mm toward planter from



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.



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
root collar.



PROJECT REFERENCE NO. SHEET NO.

R-25/9A RF-/

R /W SHEET NO.

ROADWAY DESIGN 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% SALIX NIGRA
25% PLATANUS OCCIDENTALIS

BLACK WILLOW SYCAMORE

305mm - 457mm BR 305mm - 457mm BR

25% LIRIODENDRON TULIPIFERA 25% JUGLANS NIGRA

TULIP POPLAR
BLACK WALNUT

305mm - 457mm BR

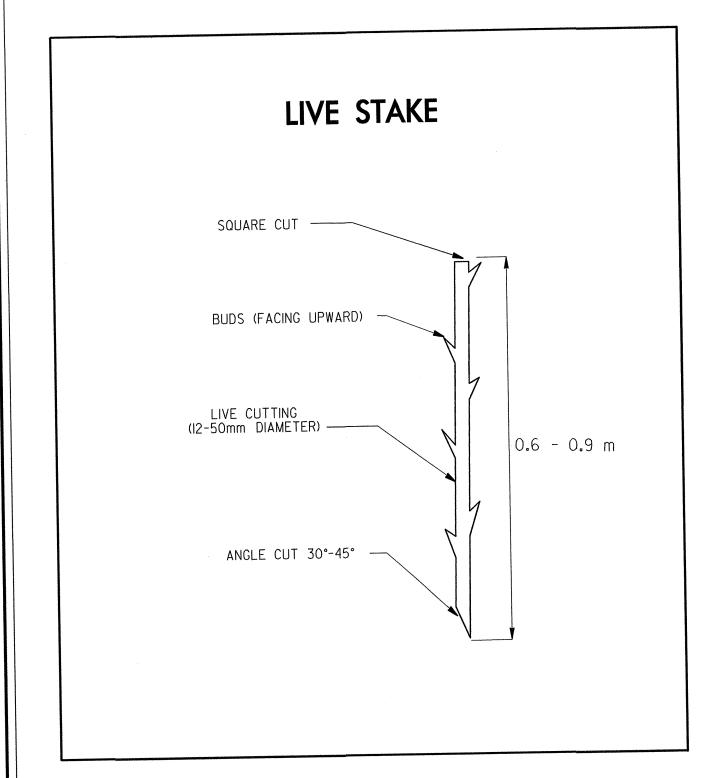
305mm - 457mm BR

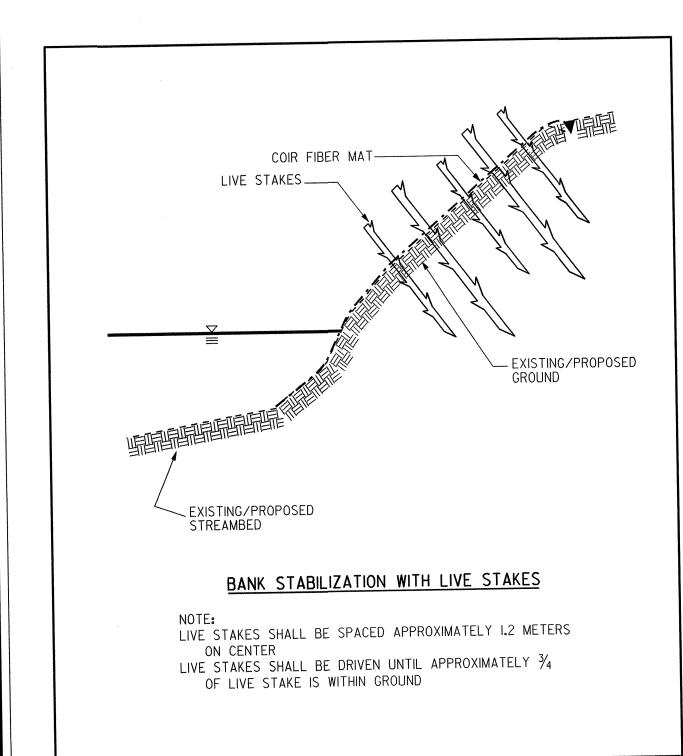
REFORESTATION DETAIL SHEET

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

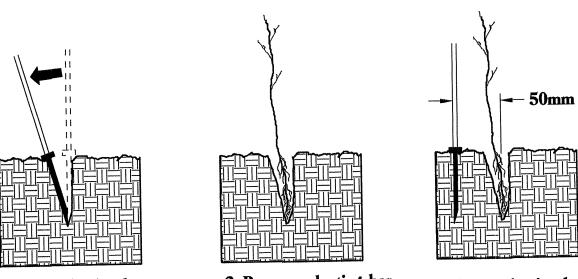
PLANTING DETAILS

LIVE STAKES PLANTING DETAIL

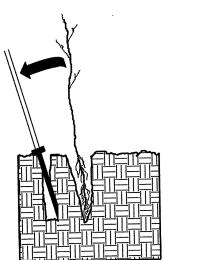




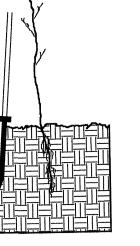
BAREROOT PLANTING DETAIL DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR



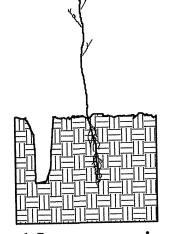
3. Insert planting bar 50m toward planter from from seedling.



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.



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
root collar.



PROJECT REFERENCE NO. SHEET NO.

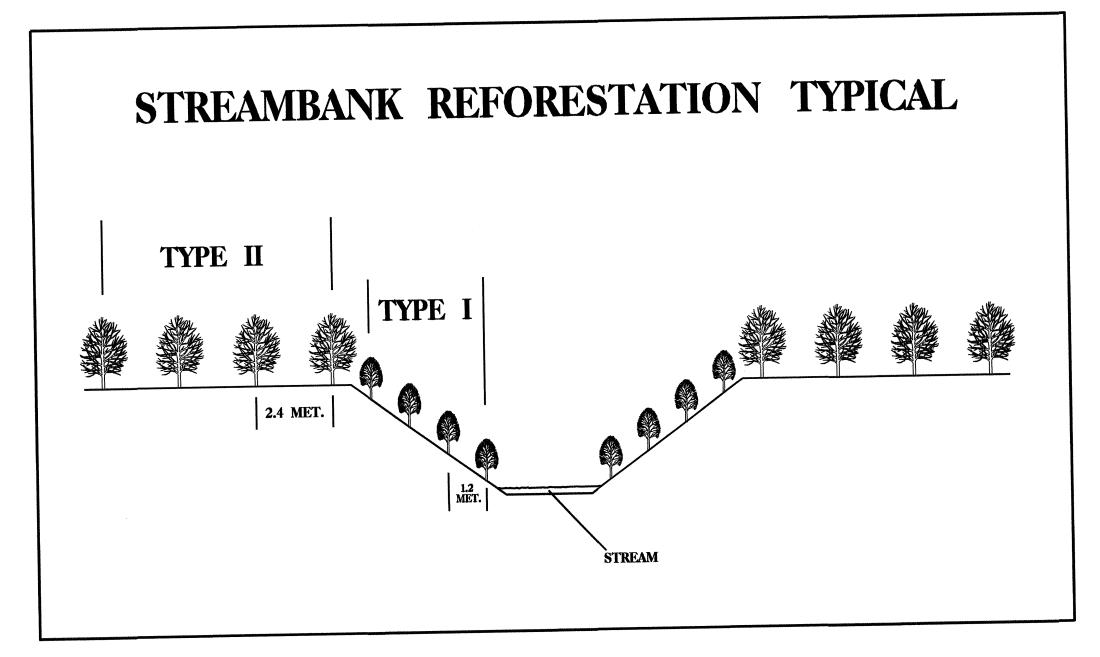
R-25/9A RF-2

R/W SHEET NO.

ROADWAY DESIGN HYDRAULICS ENGINEER

- □ TYPE 1 STREAMBANK REFORESTATION SHALL BE PLANTED 0.9m TO 1.5m
 ON CENTER, RANDOM SPACING, AVERAGING 1.2m ON CENTER,
 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,

 APPROXIMATELY 1680 PLANTS PER HECTARE.
- NOTE: TYPE 1 AND TYPE 2 STREAMBANK REFORESTATION SHALL BE PAID FOR AS "STREAMBANK REFORESTATION"

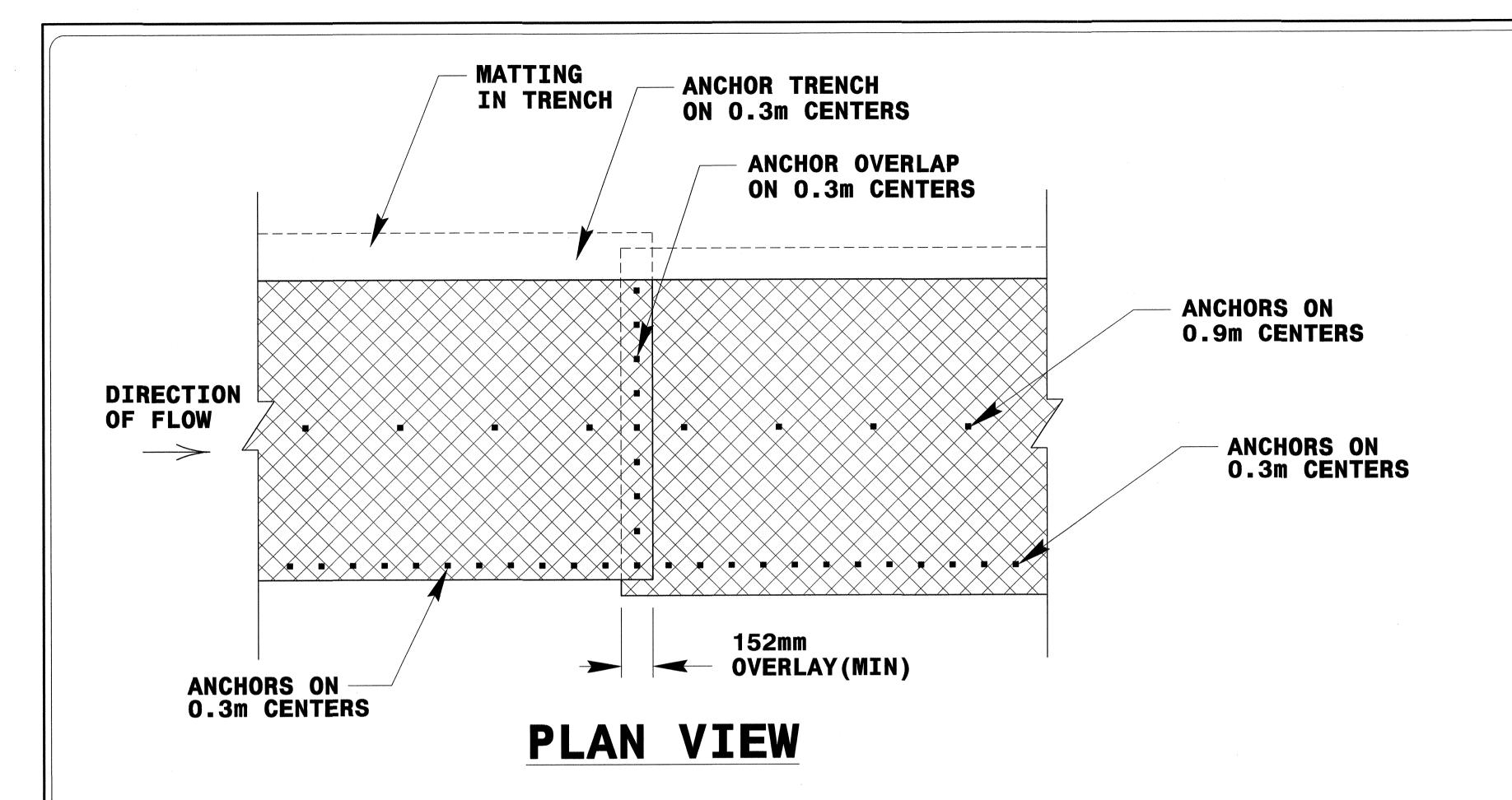


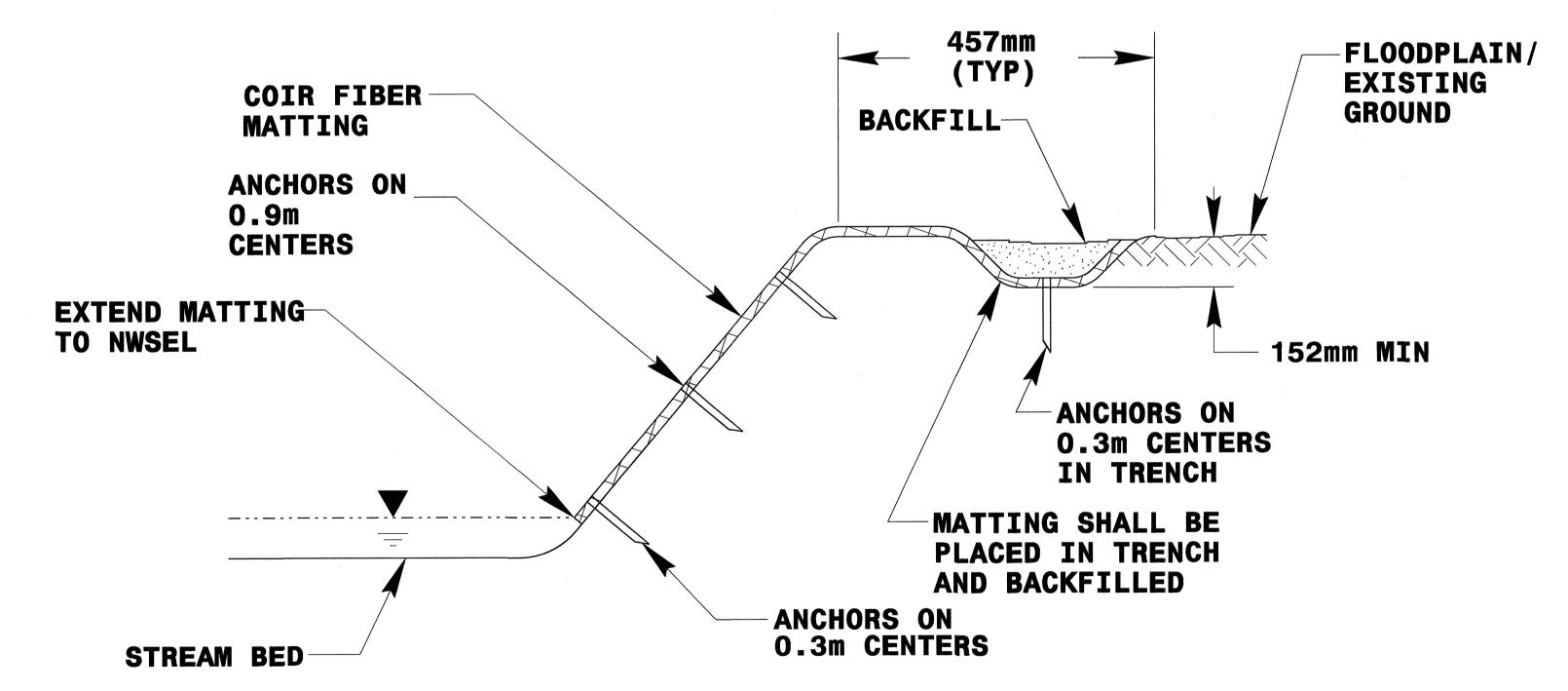
MIXTURE, TYPE, SIZE, AND FURNISH SHALL	CONFORM TO THE FOL	LOWING:
TYPE 1		0.6m to 0.9m LIVE STAKES
50% SALIX SERICEA	SILKY WILLOW	
50% CORNUS AMOMUM	SILKY DOGWOOD	0.6m to 0.9m LIVE STAKES
TYPE 2		
25% LIRIODENDRON TULIPIFERA	TULIP POPLAR	305mm - 457mm BR
25% PLATANUS OCCIDENTALIS	SYCAMORE	305mm - 457mm BR
25% FRAXINUS PENNSYLVANICA	GREEN ASH	305mm - 457mm BR
25% QUERCUS ALBA	WHITE OAK	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

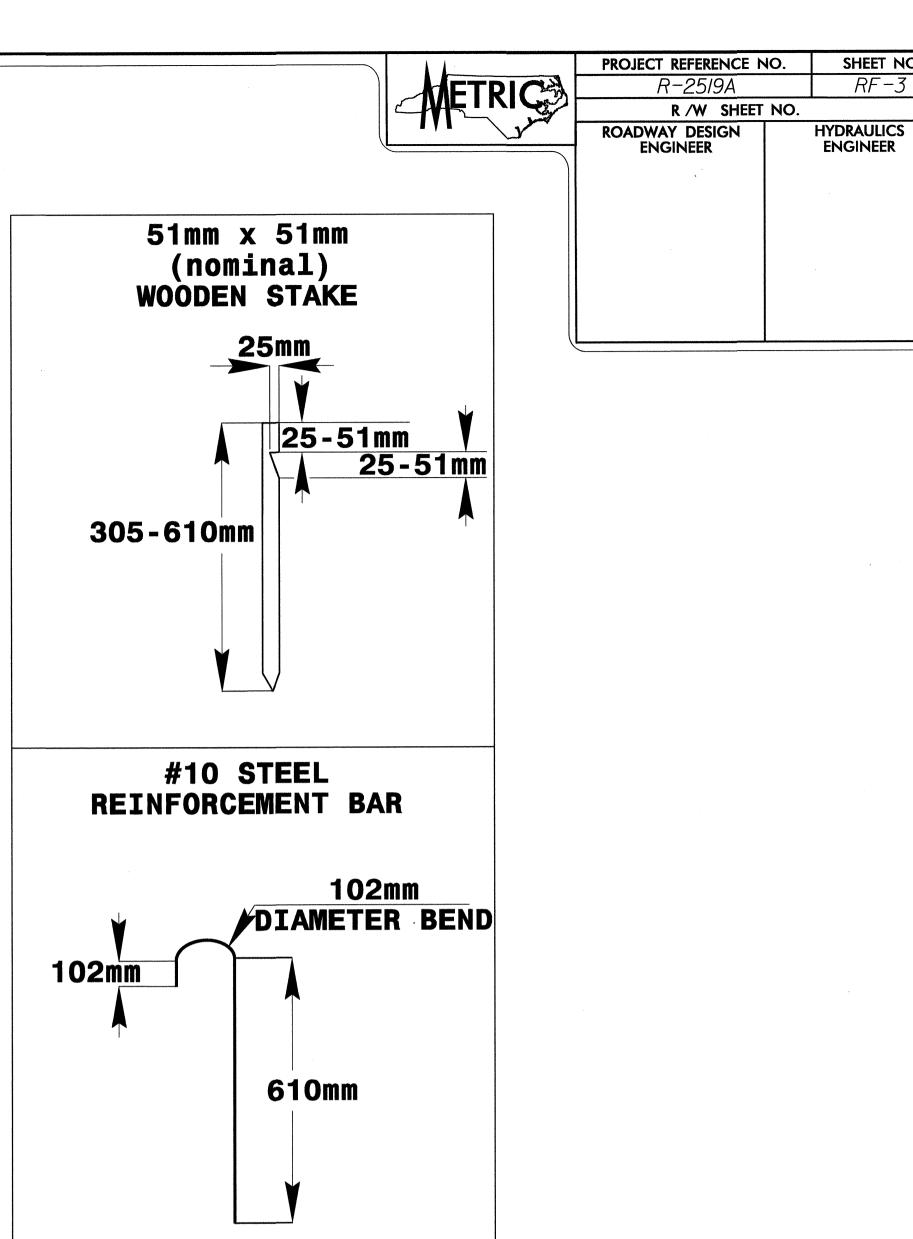




TYPICAL CROSS SECTION

COIR FIBER MATTING DETAIL

NOT TO SCALE



SHEET NO.

RF -3

ANCHOR OPTIONS

25mm (nominal)

STAPLE

─ 25mm

305mm

STREAMBANK REFORESTATION DETAIL SHEET 2 OF 2

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