

SPECIFICATION REFERENCE

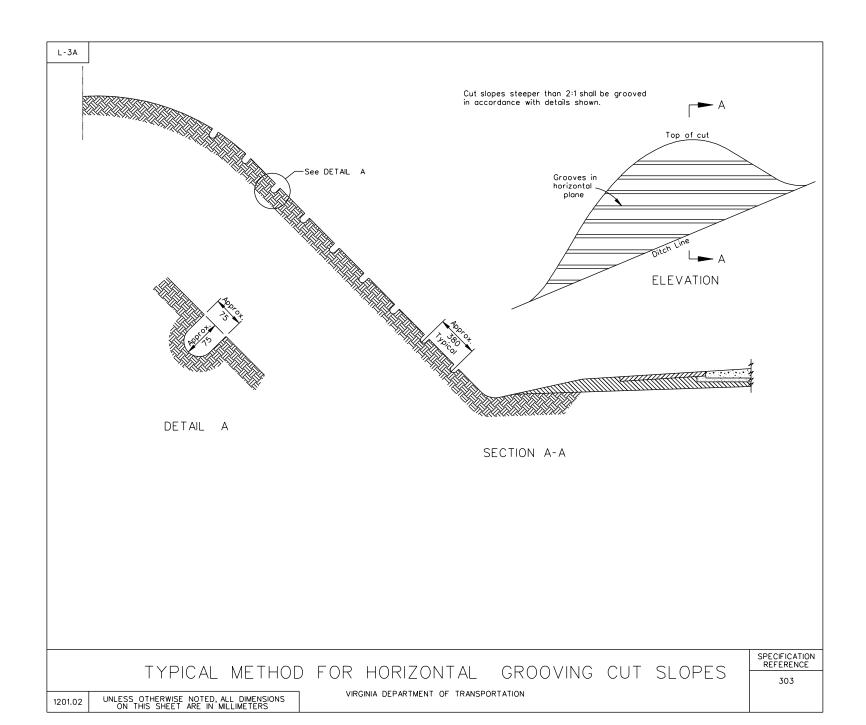
TYPICAL METHOD FOR BENCH PLANTING ON ROCK CUT SECTION

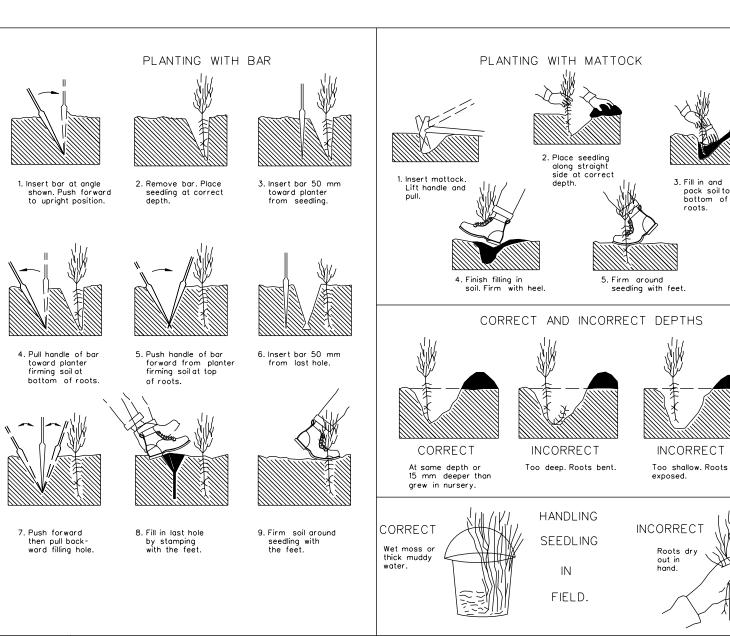
NONE

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1201.01





SPECIFICATION REFERENCE

605

METHOD OF PLANTING FOREST TREE SEEDLINGS

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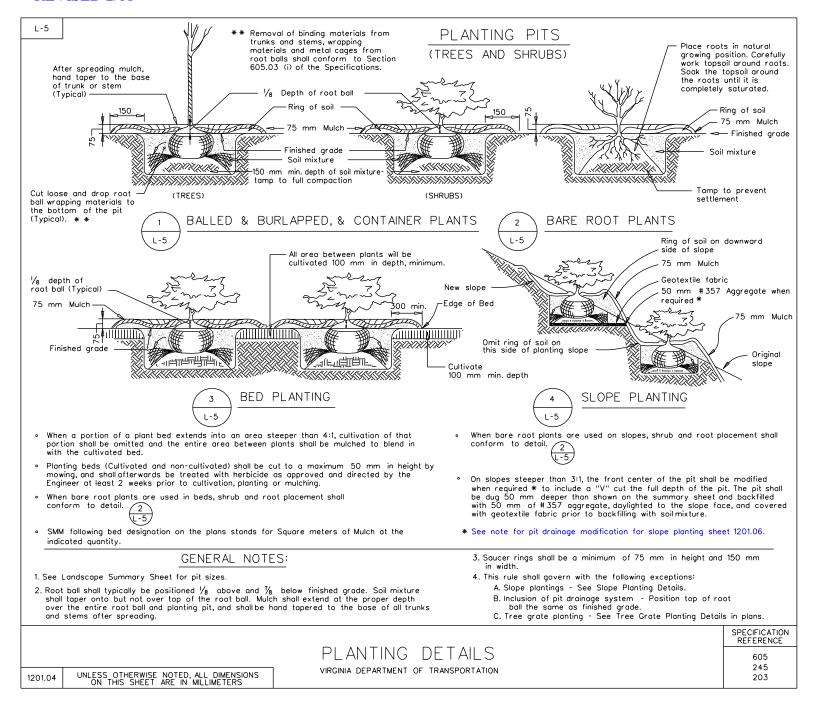
1201.03

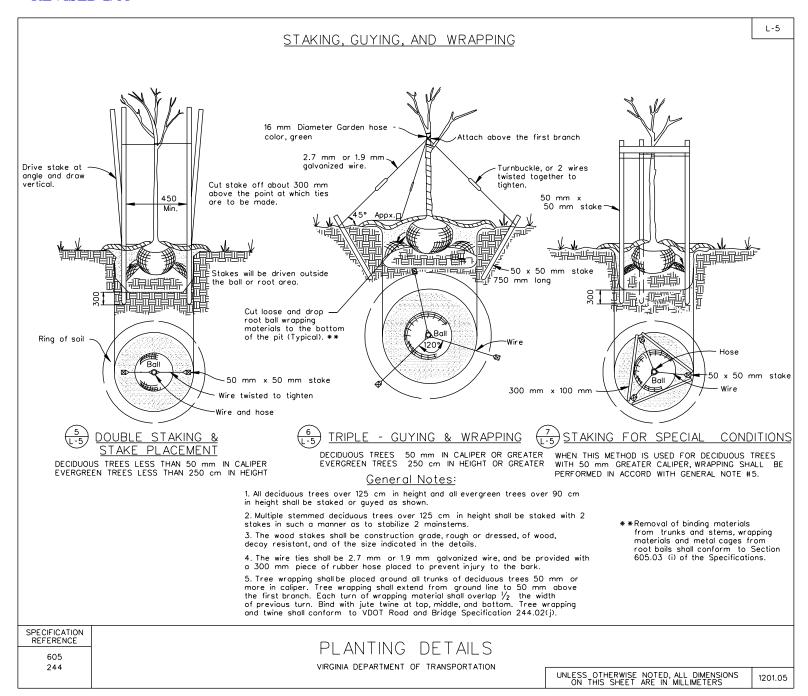
L-4

pack soil to bottom of

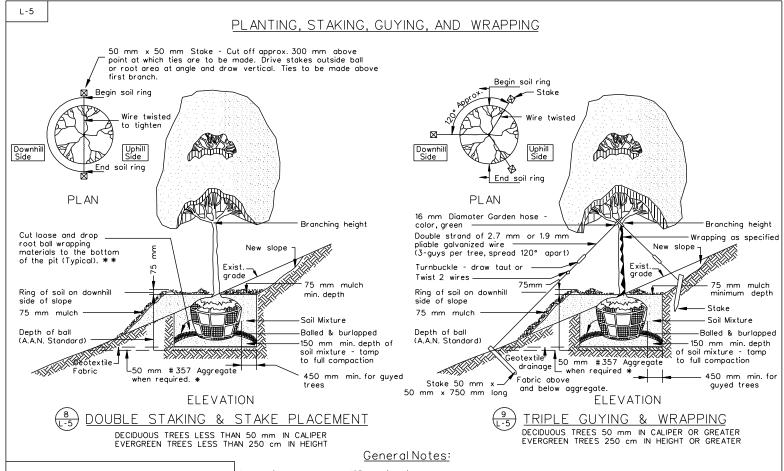
roots.

REVISED 2/01





REVISED 2/01



- * PIT DRAINAGE MODIFICATION FOR SLOPE PLANTING (When required).
- A. Prior to planting on a slope the contractor shall test no more than 3 pits for percolation.
- B. Percolation test shall consist of filling the pit with approximately 150 mm of water. The Engineer shall determine if pit drainage is required.
- C. Payment for aggregate, geotextile fabric, and pit modification will be made in accordance with the Road and Bridge Specifications.

- 1. All deciduous trees over 125 cm in height and all evergreen trees over 90 cm in height shall be staked or guyed as shown.
- 2. Multiple stemmed deciduous trees over 125 cm in height shall be staked with 2 stakes in such a manner as to stabilize 2 mainstems.
- 3. The wood stakes shall be construction grade, rough or dressed, of sound wood, decay resistant, and of the size indicated in the details.
- 4. The wire ties shall be 2.7 mm or 1.9 mm galvanized wire, and be provided with a 300 mm piece of rubber hose placed to prevent injury to the bark.
- 5. Tree wrapping shall be placed around all trunks of deciduous trees 50 mm or more in caliper. Tree wrapping shall extend from ground line to 50 mm above the first branch. Each turn of wrapping material shall overlap $\frac{1}{2}$ the width of previous turn. Bind with jute twine at top, middle, and bottom. Tree wrapping and twine shall conform to VDOT Road and Bridge Specification 244.02(j).
- 6. On slopes steeper than 3:1, the front center of the pit shall be modified when required ** to include a "V" cut the full depth of the pit. The pit shall be dug 50 mm deeper than shown on the summary sheet and backfilled with 50 mm of #357 aggregate daylighted to the slope face, and covered with geotextile fabric prior to backfilling with soil mixture.
 - **Removal of binding materials from trunks and stems, wrapping materials and metal cages from root balls shall conform to Section 605.03 (f) of the Specifications.

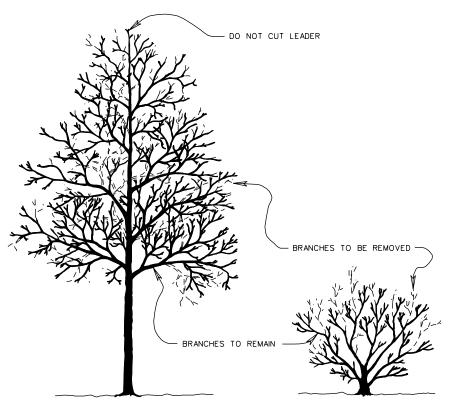
SLOPE PLANTING DETAILS

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CORRECTLY PRUNED TREE



GENERAL NOTES:

- PRUNING SHOULD AIM TO PRESERVE THE NATURAL FORM OF THE TREE OR SHRUB.
- HEDGE SHEARS SHALL NOT BE USED FOR THIS WORK.
- PRUNE BRANCHES ABOUT 1/3 AS INDICATED BY DASHED LINES.
- BRANCHES SHALL BE UNTIED PRIOR TO PRUNING.

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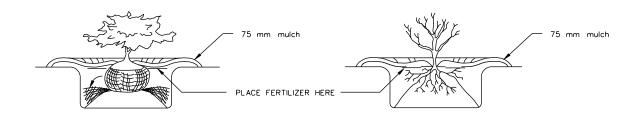
PRUNING DETAILS

605

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1201.07

FERTILIZER PLACEMENT



BALLED & BURLAPPED & CONTAINER PLANTS

BARE ROOT PLANTS

FERTILIZER MATERIALS

Fertilizer Materials shall conform to Section 244.02 (d) of the VDOT Road and Bridge Specifications.

> The following information shall be shown on a tag attached to the fertilizer bag:

- 1. The name and address of manufacturer
- 2. Name of material
- 3. Number of net pounds of ready mixed material in the package
- 4. Chemical composition and analysis
 5. Guaranteed Analysis (Va. Department of Agriculture)

MULCHING MATERIALS

WOOD CHIPS - shall be of disease free hardwood, with a 3 mm nominal thickness, having an area of not more than 3870 mm . All hardwood chips shall be free of leaves, twigs, shavings and materials injurious to plant growth. The use of wood chips from the American Elm (Ŭlmus americana) will not be permitted.

BARK - shall be shredded Pine Bark, or shredded Hardwood Bark, shall be disease free, and shall conform to National Bark & Soil Producers Assoc. standards for classification, particle size, % wood content, moisture retention, PH rating, and color.

PEAT MOSS

PEAT MOSS - shall conform to Section 244.02 (j) of the VDOT Road and Bridge Specifications.

FERTILIZER RATES

60 ml per Vine & Ground Cover up to # 1 container.

500 ml per shrub, balled & burlapped or# 2 through # 5 container.

750 ml per tree under 50 mm caliper

(includes multi-stemmed & evergreen trees under 250 cm) 1000 ml per tree over 50 mm caliper

(includes multi-stemmed & evergreen trees over 250 cm)

The fertilizer shall be placed in the plant pits where indicated.

Fertilizer shall be spread over the top of the soil mix prior to final tamping and watering.

APPROVED MULCHES

Туре	Depth	
wood chips	75 mm	
shredded pine bark	75 mm	
shredded hardwood bark	75 mm	

The approved type to used shall be designated on the plans.

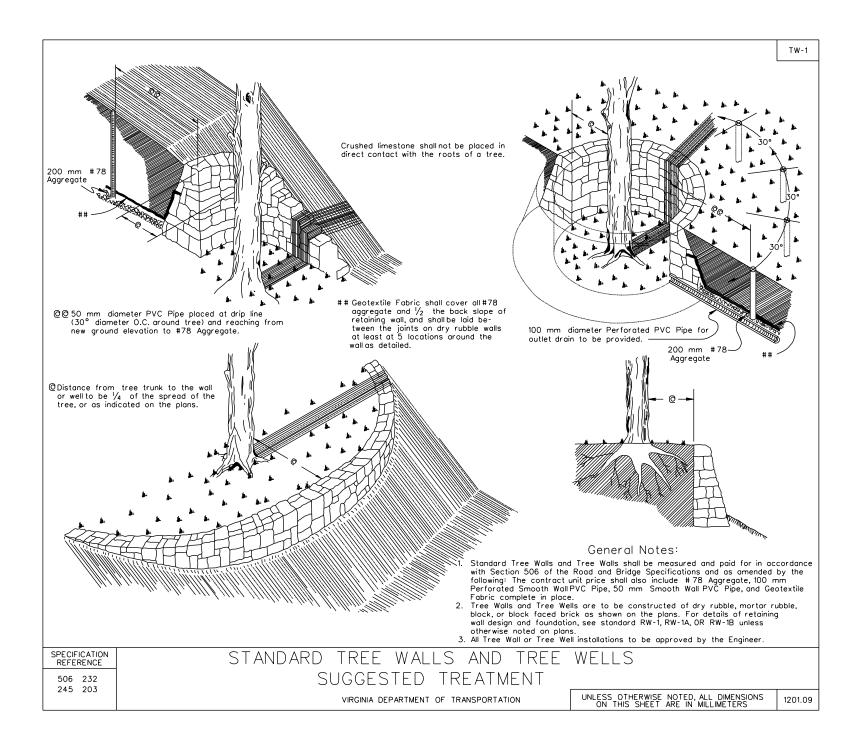
FERTILIZER AND MULCH

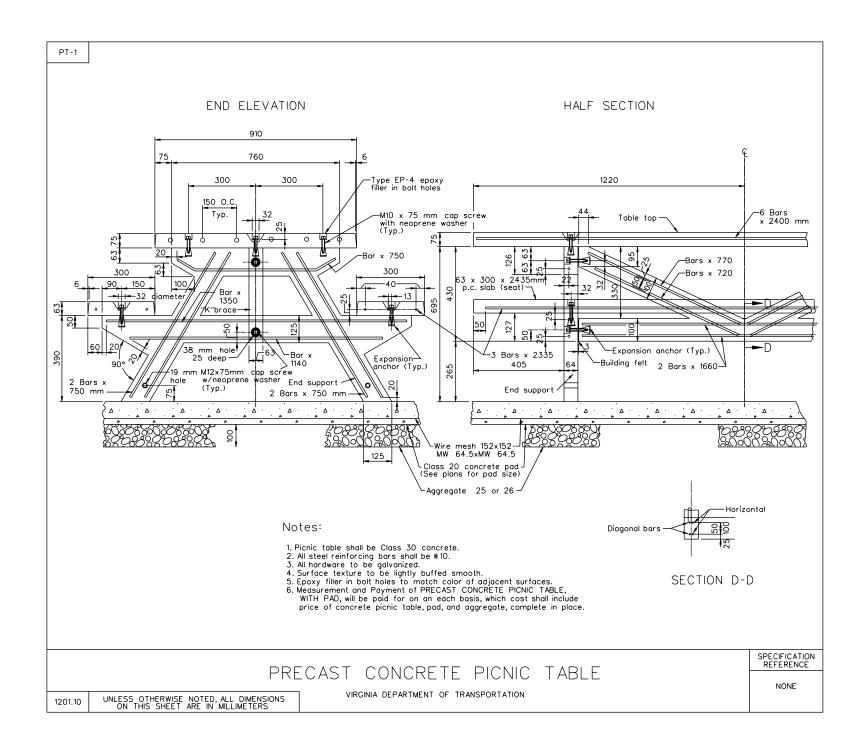
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SPECIFICATION REFERENCE

605 244

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RW-1

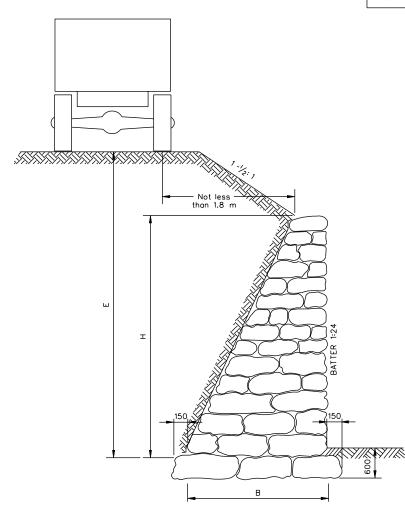
<u>Е</u> Н	FOR UNLOADED WALLS	FOR LOADED WALLS
1.0	B • 0.50 H	B • 0.66 H
1.1	B • 0.57 H	B = 0.67 H
1.2	B = 0.61 H	B = 0.68 H
1.3	B = 0.64 H	B = 0.69 H
1.4	В - 0.66 Н	B = 0.70 H
1.5	B • 0.67 H	B • 0.71 H
1.6	В - 0.69 Н	B - 0.72 H
1.7	B = 0.70 H	B = 0.73 H
1.8	B = 0.71 H	B = 0.74 H
2.0	B = 0.73 H	B = 0.75 H
2.5	B = 0.75 H	B = 0.76 H
3.0	B = 0.77 H	B = 0.77 H

Top thickness for unloaded walls to be 0.15 H with a minimum thickness of 0.6 m.

Top thickness for loaded walls to be 0.20 H with a minimum thickness of 0.75 m. $\,$

Minimum thickness of base - top thickness.

Maximum height of wall (H) to be 2.4 m.



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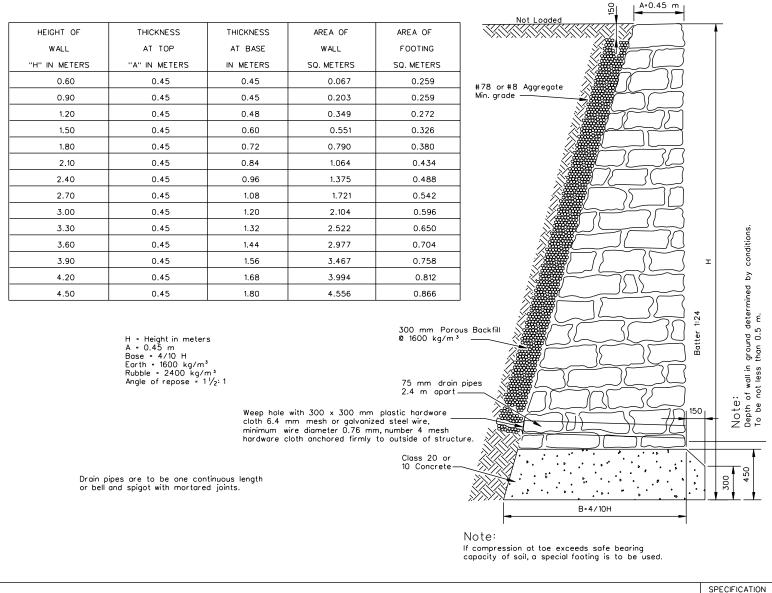
DRY RUBBLE RETAINING WALLS

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1201.11

RW-1A



MORTAR RUBBLE RETAINING WALL-LEVEL BACKFILL

SPECIFICATION REFERENCE

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