

**NOTES**

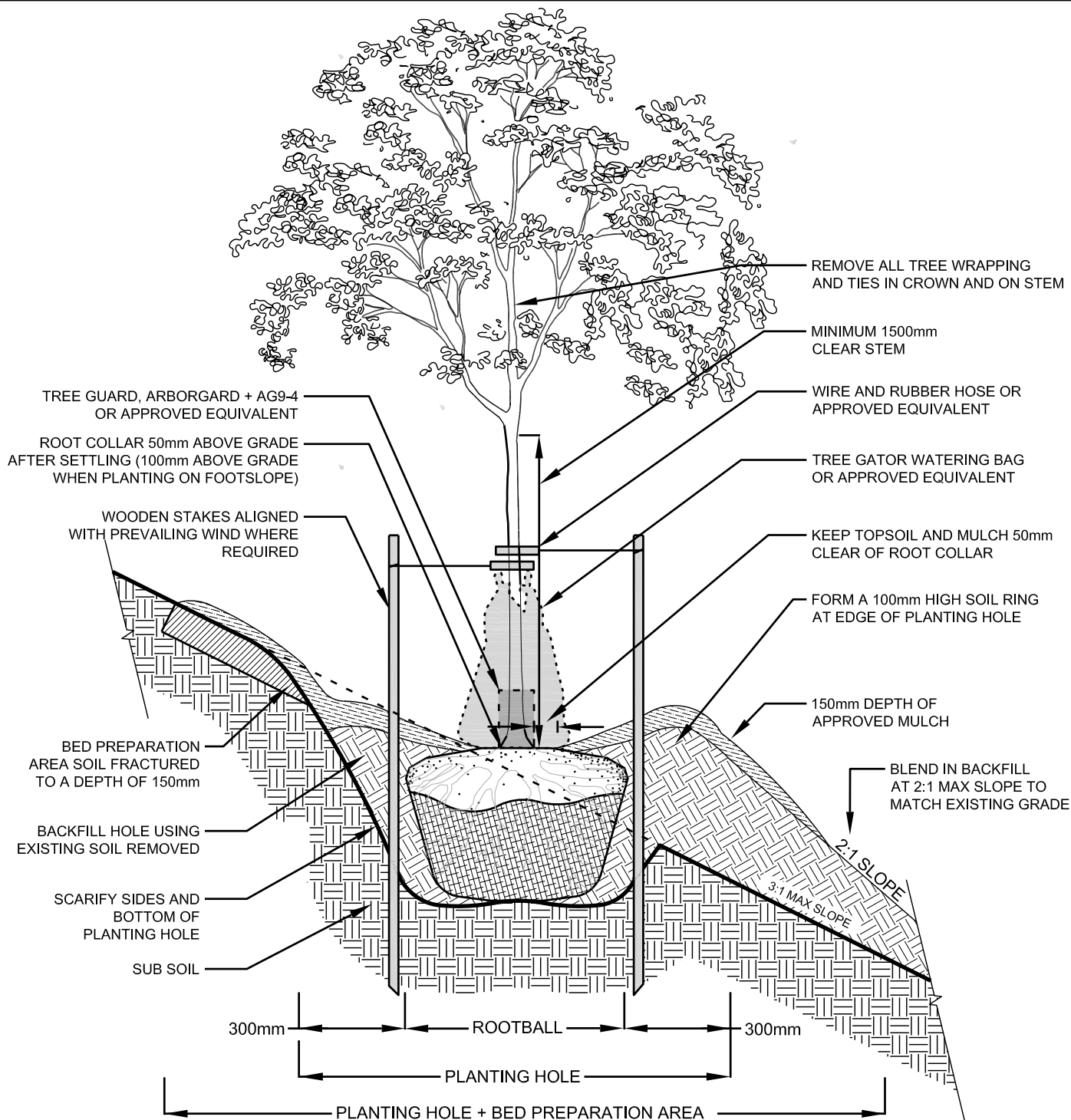
1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. INSTALL APPROVED MYCORRHIZAL INOCULANT
3. ELIMINATE AIR POCKETS AND SECURE STEM IN VERTICAL POSITION BY TAMPING BACKFILL IN PLACE
4. CUT AND REMOVE ALL WIRE, ROPE, BURLAP AND TWINE FROM THE TOP 1/3 OF THE ROOTBALL
5. SOAK THE ROOTBALL AND BACKFILL AREA WITH 40 LITRES OF WATER AFTER PLANTING
6. INSTALL APPROVED TREE WATERING BAG
7. PRUNE TO REMOVE DEAD, BROKEN AND DAMAGED BRANCHES



**Public Works  
Forestry**

**CALIPER DECIDUOUS TREE  
PLANTING DETAIL  
FOR SOFTSCAPE BOULEVARDS**

DATE:	JANUARY 2025	SCALE	N.T.S.
REV.	X	X	NHF-100



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. INSTALL APPROVED MYCORRHIZAL INOCULANT
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Public Works  
Forestry

### CALIPER DECIDUOUS TREE PLANTING DETAIL ON SLOPE

DATE: JANUARY 2025

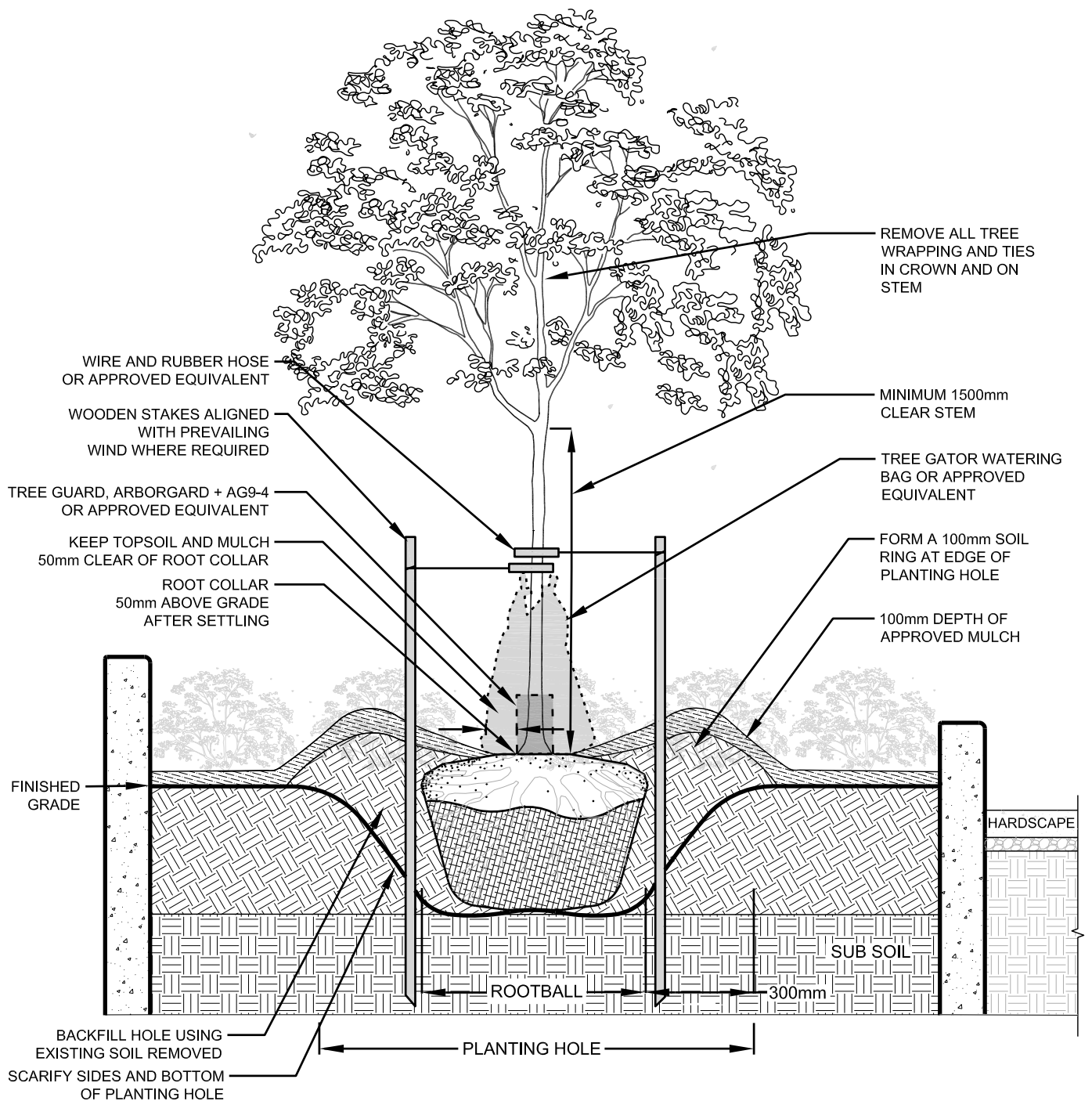
SCALE N.T.S.

REV.

X

X

NHF-101



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. INSTALL APPROVED MYCORRHIZAL INOCULANT
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7. PRUNE TO REMOVE DEAD, BROKEN AND DAMAGED BRANCHES



Public Works  
Forestry

### CALIPER DECIDUOUS TREE PLANTING DETAIL FOR LANDSCAPED BEDS

DATE: JANUARY 2025

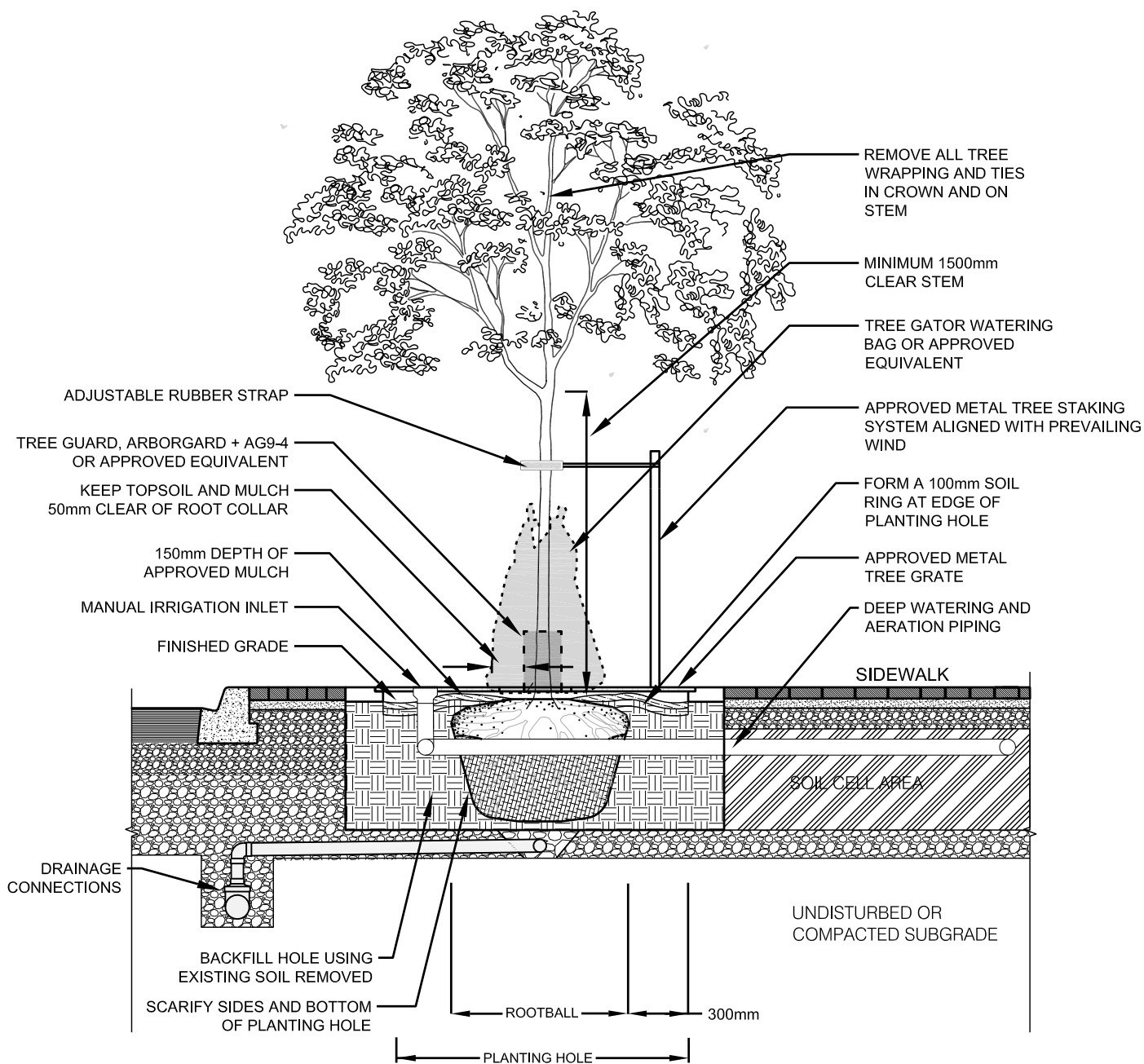
SCALE N.T.S.

REV.

X

X

NHF-102



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. REFER TO YORK REGION IRRIGATION DESIGN GUIDELINES FOR COMPLETE TREE GRATE PLANTER IRRIGATION REQUIREMENTS
3. INSTALL APPROVED MYCORRHIZAL INOCULANT
4. ELIMINATE AIR POCKETS AND SECURE STEM IN VERTICAL POSITION BY TAMPING BACKFILL IN PLACE
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8. PRUNE TO REMOVE DEAD, BROKEN AND DAMAGED BRANCHES



Public Works  
Forestry

### CALIPER DECIDUOUS TREE PLANTING DETAIL FOR TREE GRATE PLANTER

DATE: JANUARY 2025

SCALE N.T.S.

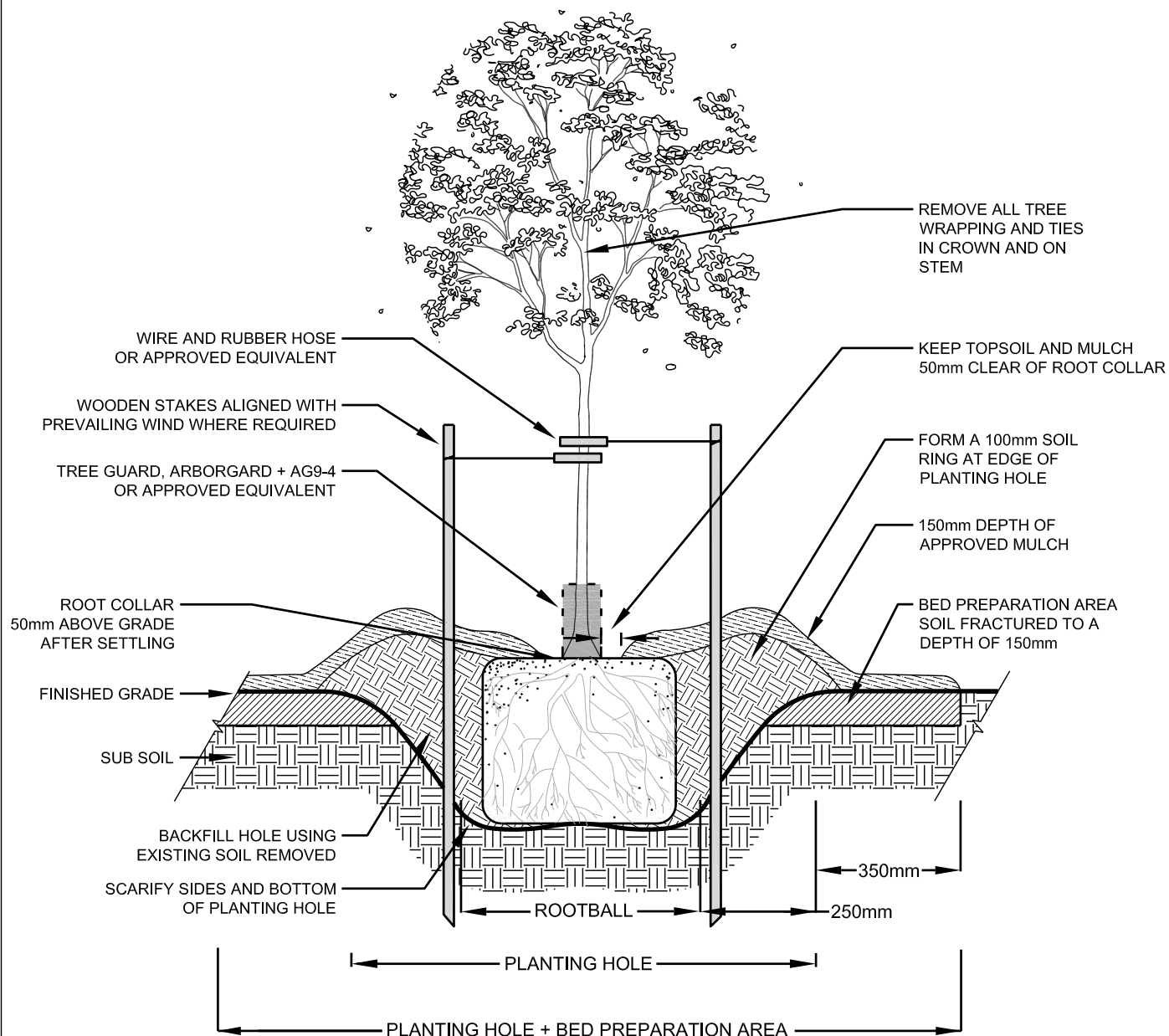
REV.

X

X

NHF-103





#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. INSTALL APPROVED MYCORRHIZAL INOCULANT
3. PRIOR TO PLANTING, REMOVE THE CONTAINER
4. IF REQUIRED, SHAVE THE OUTSIDE OF THE ROOTBALL TO REMOVE CIRCLING ROOTS
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6. PRIOR TO PLANTING, SOAK THE ROOTBALL WITH 20 LITRES OF WATER
7. AFTER PLANTING, SOAK THE ROOTBALL AND BACKFILL AREA WITH 20 LITRES OF WATER
8. PRUNE TO REMOVE DEAD, BROKEN AND DAMAGED BRANCHES



Public Works  
Forestry

### CONTAINER GROWN DECIDUOUS TREE PLANTING DETAIL

DATE: JANUARY 2025

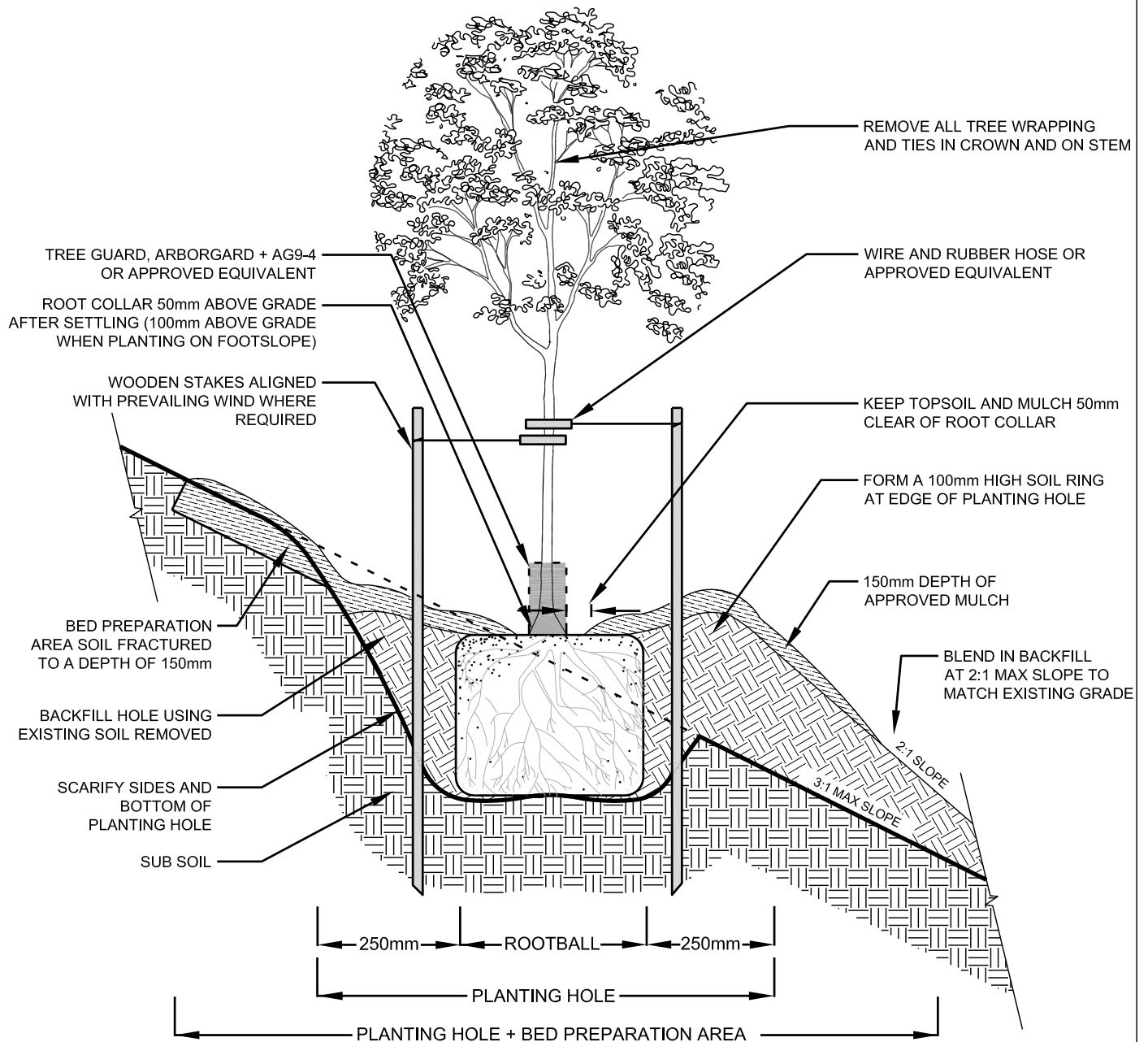
SCALE N.T.S.

REV.

X

X

NHF-104



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
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8. PRUNE TO REMOVE DEAD, BROKEN AND DAMAGED BRANCHES



Public Works  
Forestry

### CONTAINER GROWN DECIDUOUS TREE PLANTING DETAIL ON SLOPE

DATE: JANUARY 2025

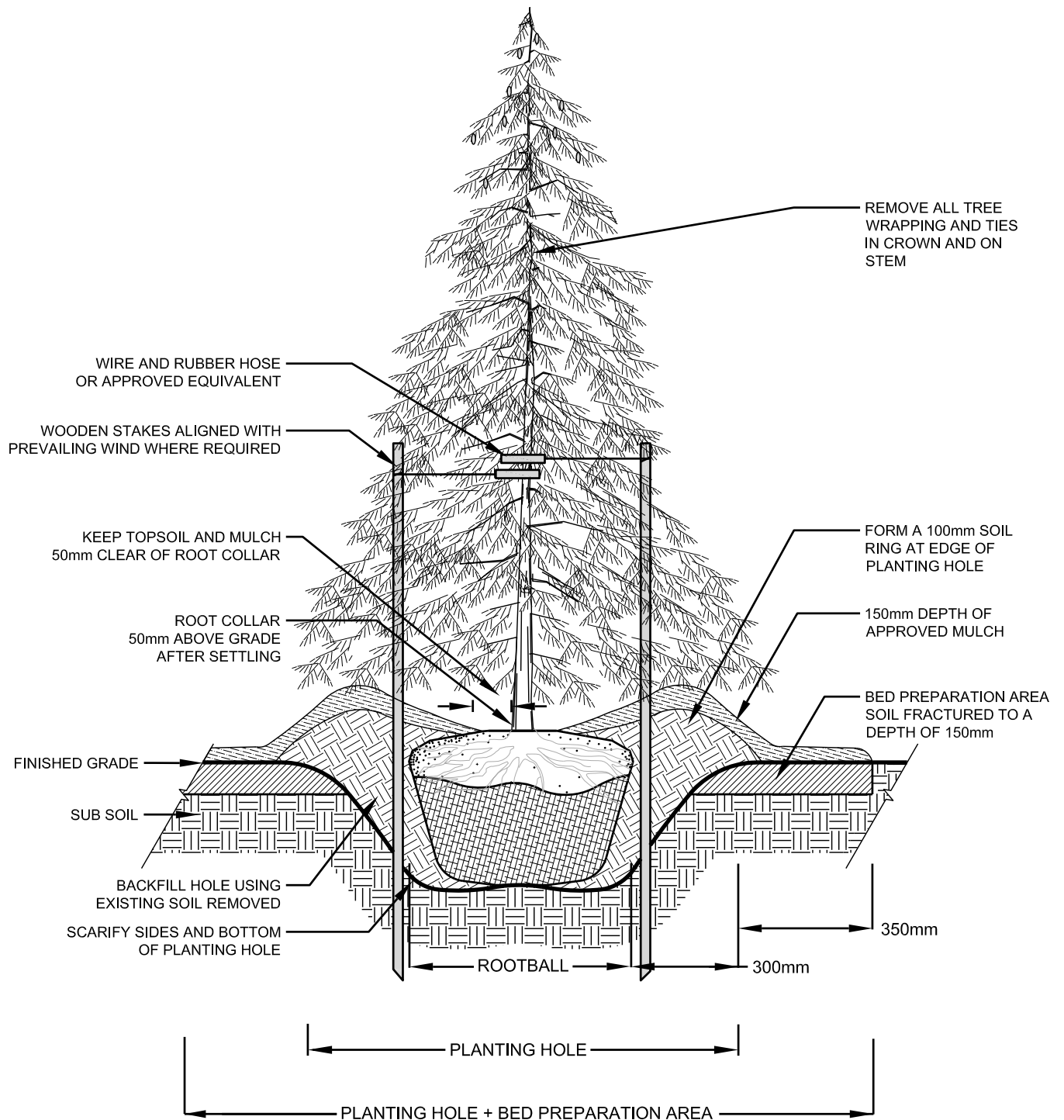
SCALE N.T.S.

REV.

X

X

NHF-105



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. INSTALL APPROVED MYCORRHIZAL INOCULANT
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Public Works  
Forestry

### CALIPER CONIFEROUS TREE PLANTING DETAIL FOR SOFTSCAPE BOULEVARDS

DATE: JANUARY 2025

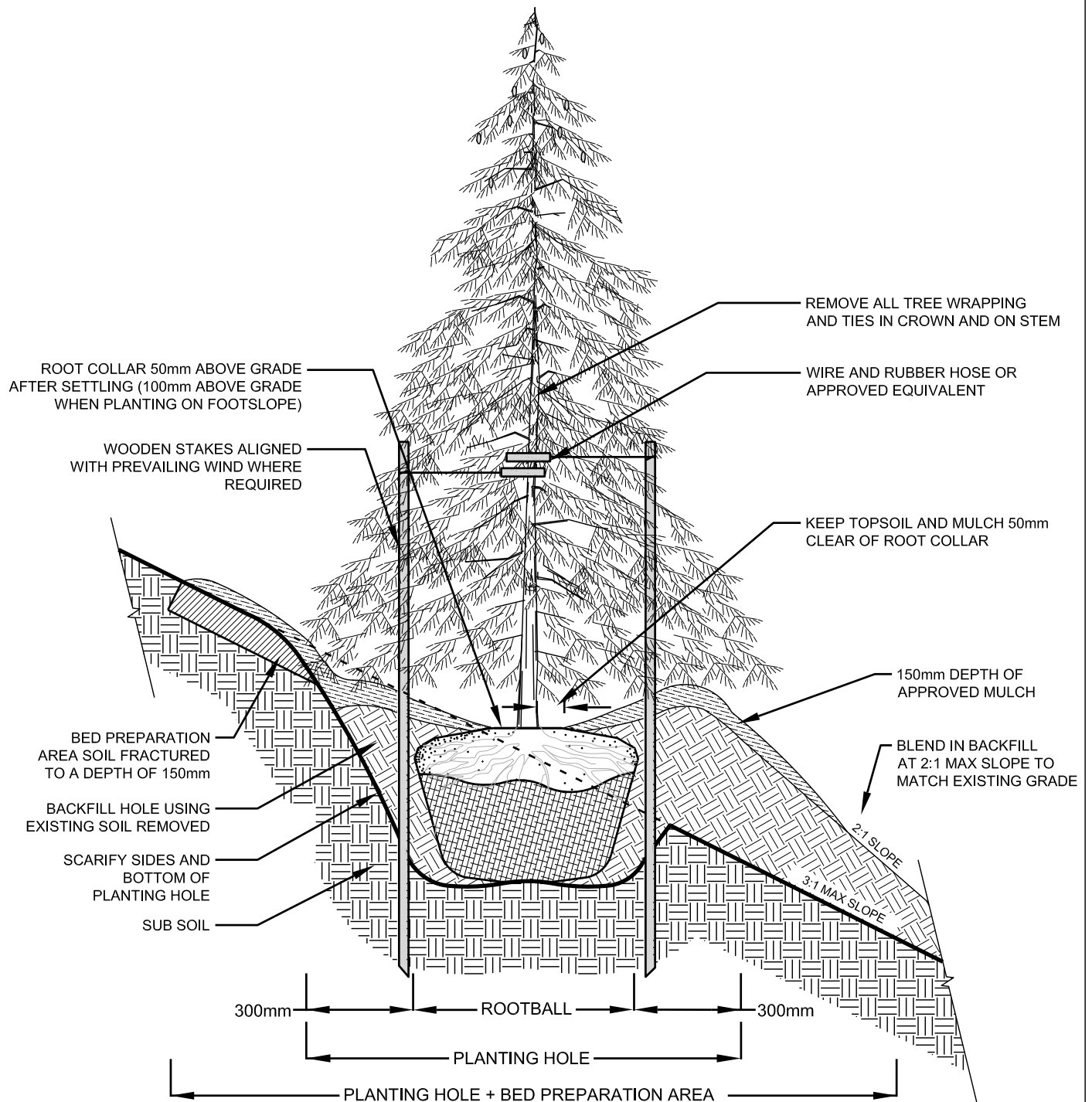
SCALE N.T.S.

REV.

X

X

NHF-106



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. INSTALL APPROVED MYCORRHIZAL INOCULANT
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6. PRUNE TO REMOVE DEAD, BROKEN AND DAMAGED BRANCHES



Public Works  
Forestry

### CALIPER CONIFEROUS TREE PLANTING DETAIL ON SLOPE

DATE: JANUARY 2025

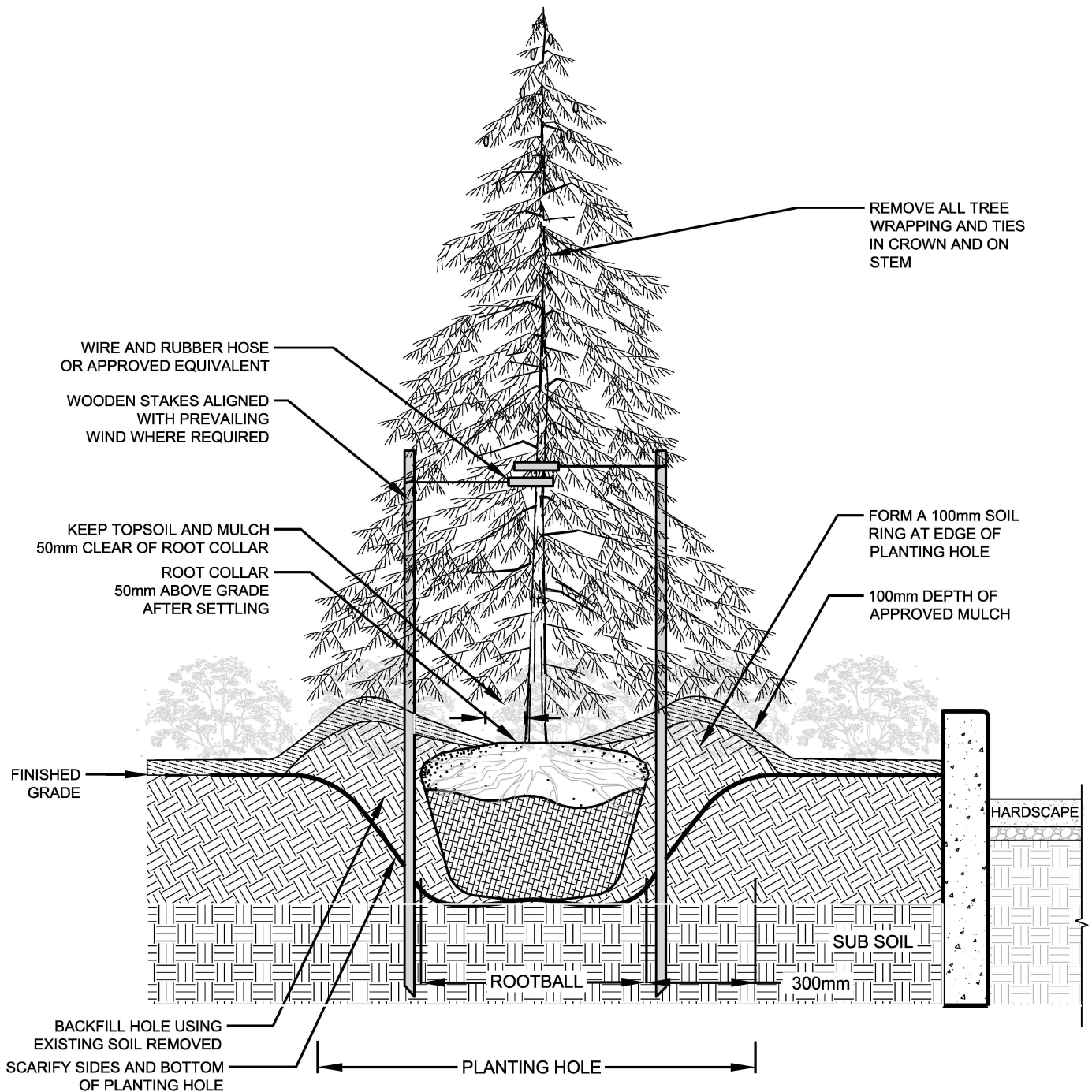
SCALE N.T.S.

REV.

X

X

NHF-107



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. INSTALL APPROVED MYCORRHIZAL INOCULANT
3. ELIMINATE AIR POCKETS AND SECURE STEM IN VERTICAL POSITION BY TAMPING BACKFILL IN PLACE
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6. PRUNE TO REMOVE DEAD, BROKEN AND DAMAGED BRANCHES



Public Works  
Forestry

### CALIPER CONIFEROUS TREE PLANTING DETAIL FOR LANDSCAPED BEDS

DATE: JANUARY 2025

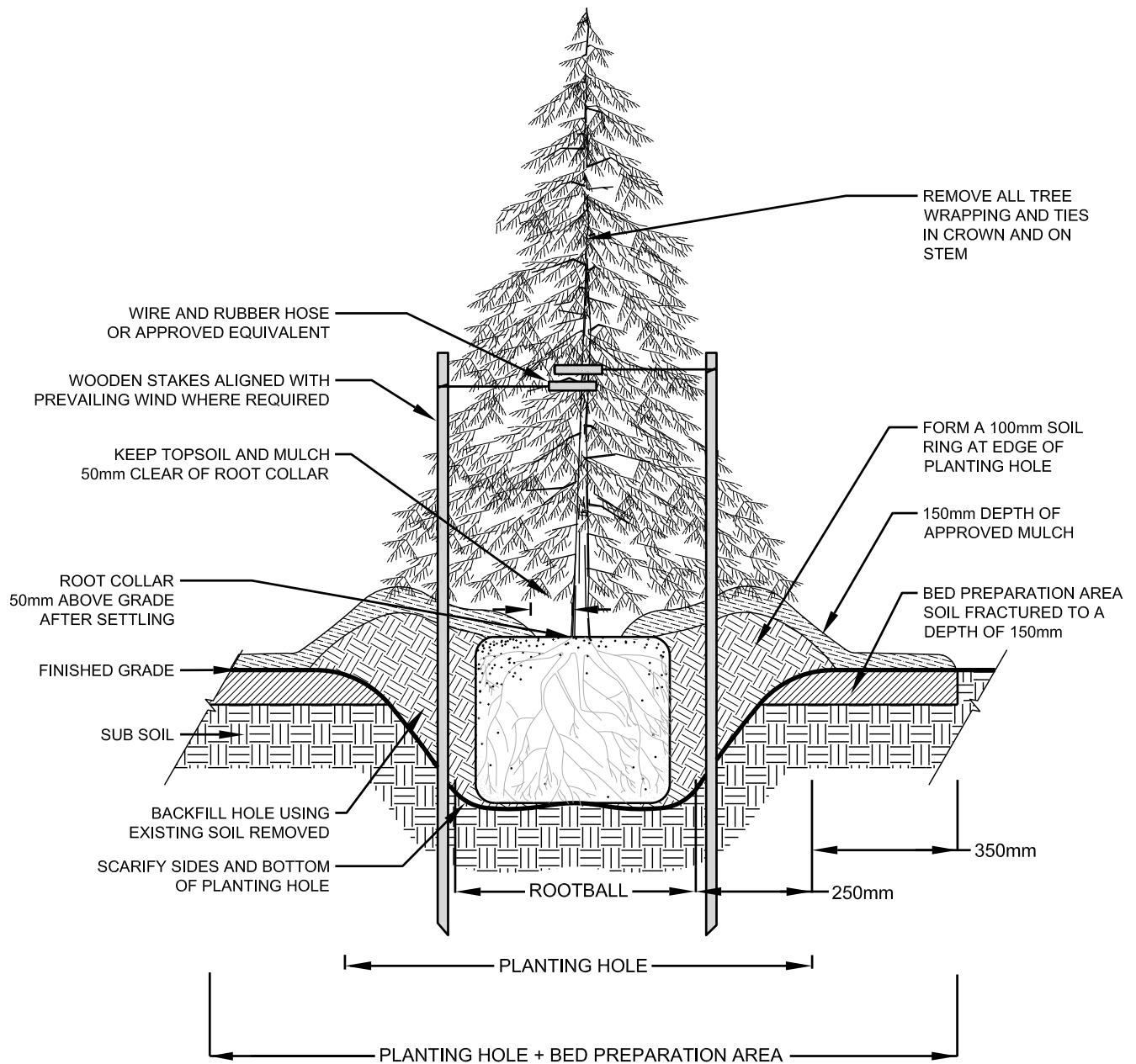
SCALE N.T.S.

REV.

X

X

NHF-108



**NOTES**

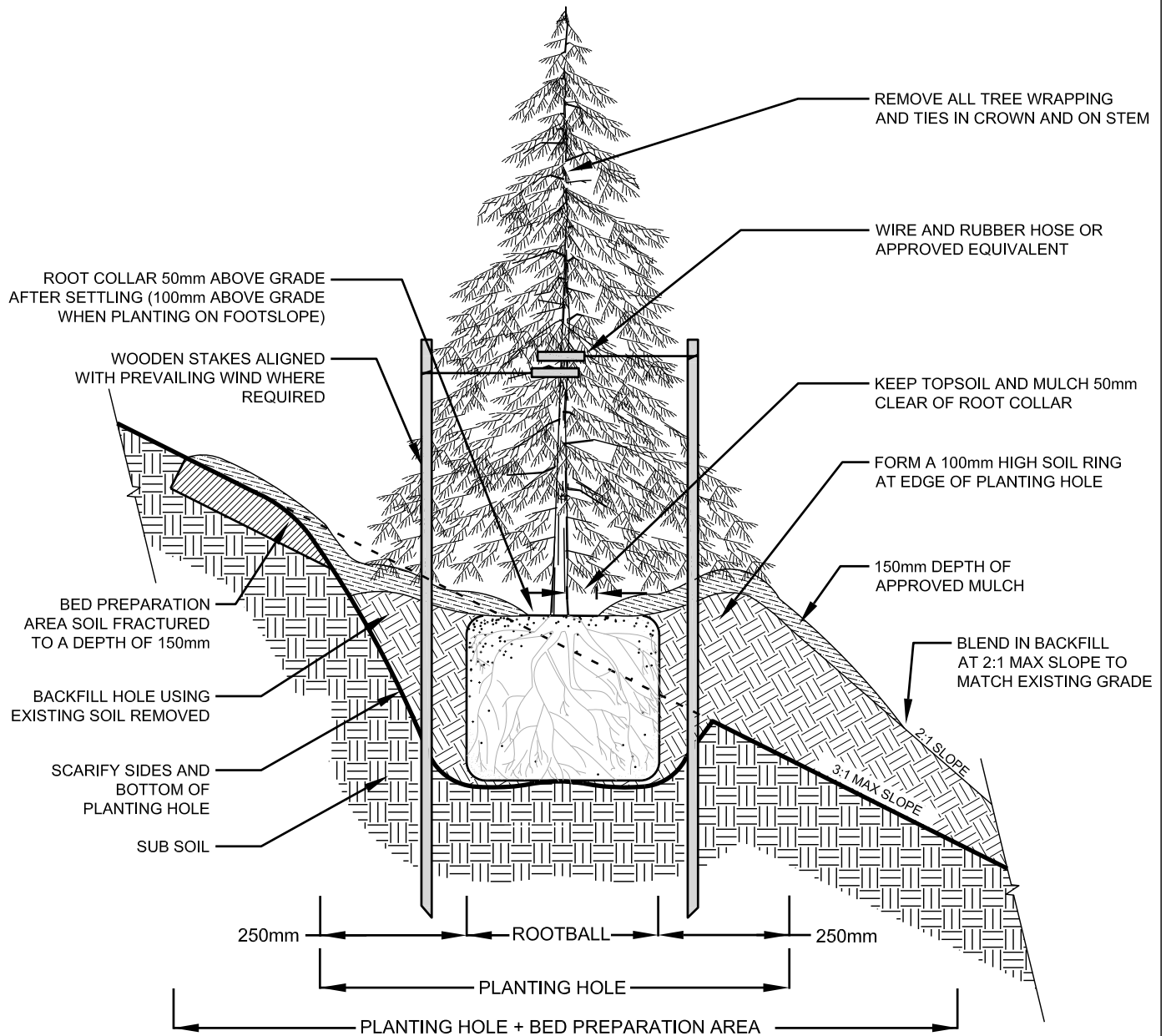
1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
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7. AFTER PLANTING, SOAK THE ROOTBALL AND BACKFILL AREA WITH 20 LITRES OF WATER
8. PRUNE TO REMOVE DEAD, BROKEN AND DAMAGED BRANCHES



**Public Works  
Forestry**

**CONTAINER GROWN CONIFEROUS  
TREE PLANTING DETAIL**

DATE:		JANUARY 2025		SCALE N.T.S.	
REV.	X	X		NHF-109	



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. INSTALL APPROVED MYCORRHIZAL INOCULANT
3. PRIOR TO PLANTING, REMOVE THE CONTAINER
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### CONTAINER GROWN CONIFEROUS TREE PLANTING DETAIL ON SLOPE

DATE: JANUARY 2025

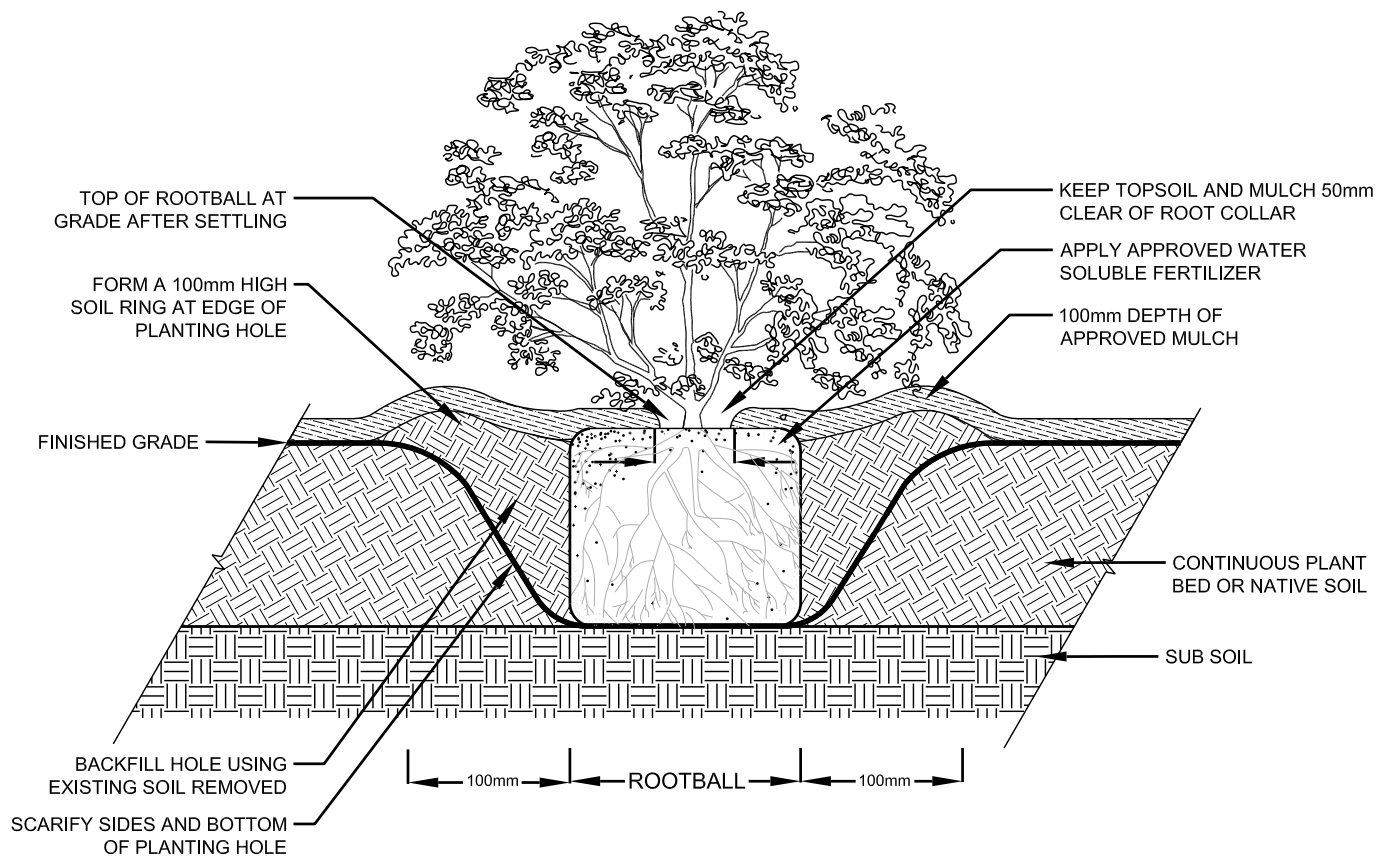
SCALE N.T.S.

REV.

X

X

NHF-110



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. PRIOR TO PLANTING, REMOVE THE CONTAINER
3. IF REQUIRED, SHAVE THE OUTSIDE OF THE ROOTBALL TO REMOVE ANY CIRCLING ROOTS
4. ELIMINATE AIR POCKETS AND SECURE SHRUB IN VERTICAL POSITION BY TAMPING BACKFILL IN PLACE
5. IMMEDIATELY PRIOR TO PLANTING, SOAK THE ENTIRE ROOTBALL WITH 20 LITRES OF WATER
6. IMMEDIATELY AFTER PLANTING, SOAK THE ROOTBALL WITH 20 LITRES OF WATER MIXED WITH AN APPROVED 10-52-10 WATER SOLUBLE FERTILIZER ACCORDING TO MANUFACTURERS INSTRUCTIONS
7. PRUNE TO REMOVE ALL DEAD AND DAMAGED BRANCHES



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### CONTAINER GROWN SHRUB PLANTING DETAIL

DATE: JANUARY 2025

SCALE N.T.S.

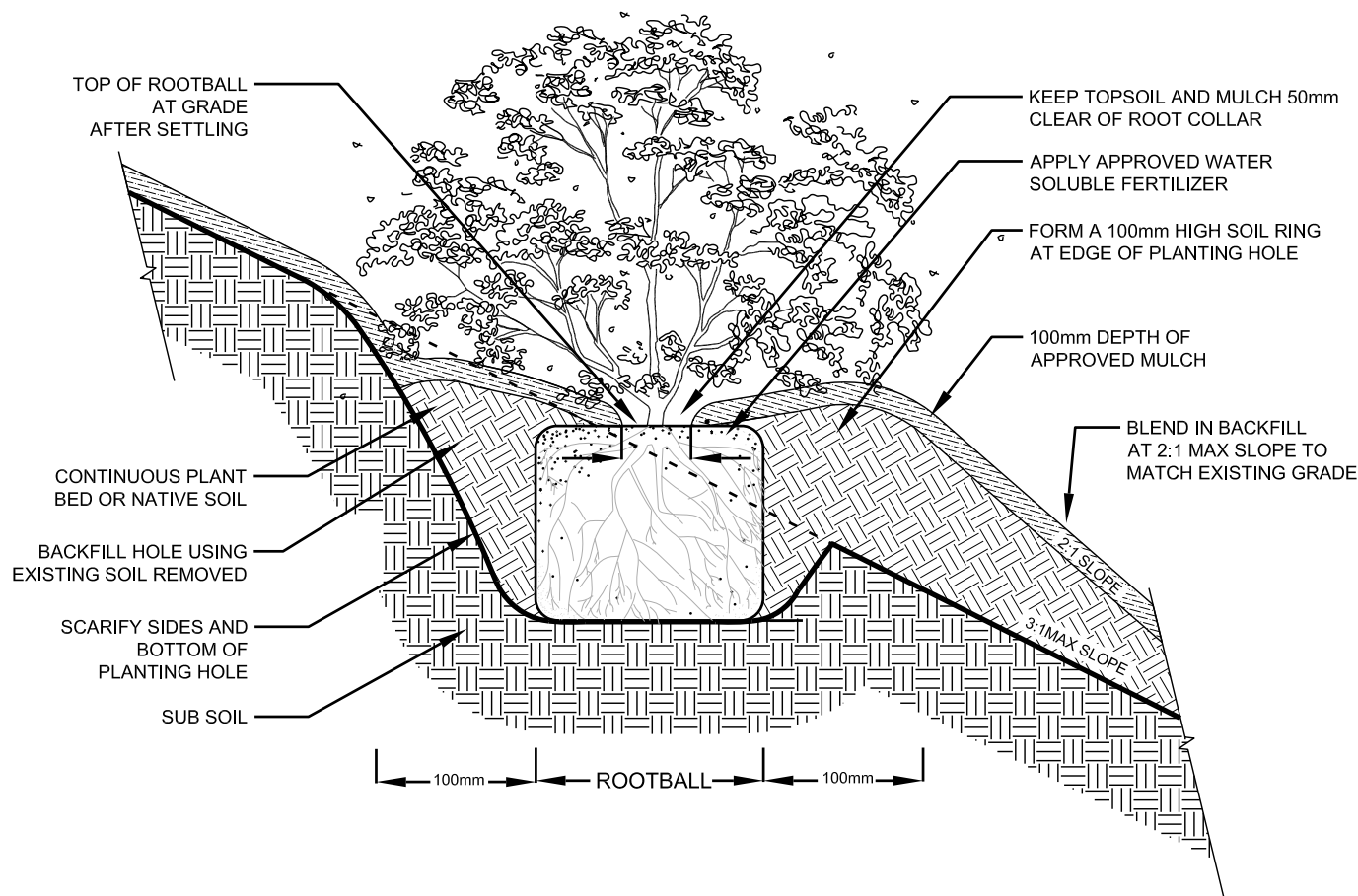
REV.

X

X

NHF-111





#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. PRIOR TO PLANTING, REMOVE THE CONTAINER
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7. PRUNE TO REMOVE ALL DEAD AND DAMAGED BRANCHES



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### CONTAINER GROWN SHRUB PLANTING DETAIL ON SLOPE

DATE: JANUARY 2025

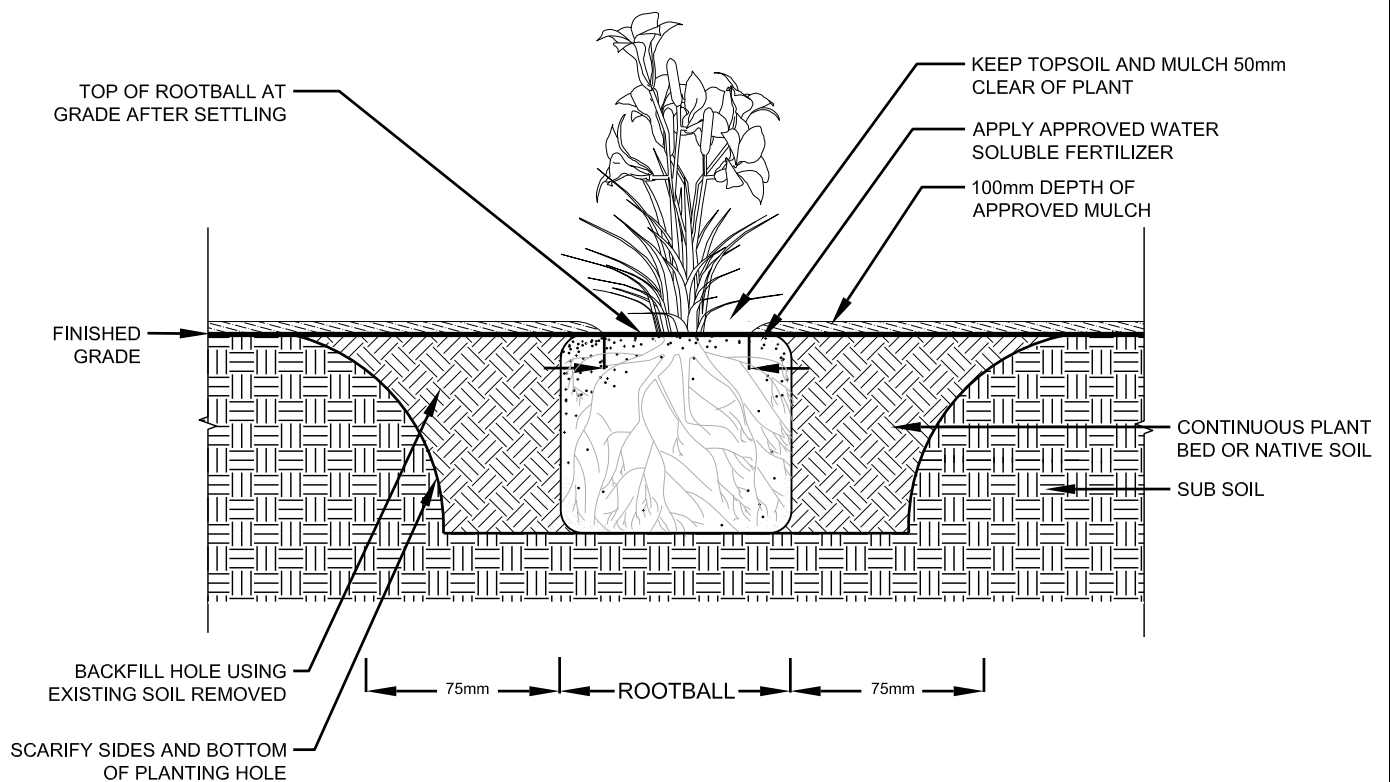
SCALE N.T.S.

REV.

X

X

NHF-112



#### NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE PLANTING REQUIREMENTS
2. PRIOR TO PLANTING, REMOVE THE CONTAINER
3. IF REQUIRED, SHAVE THE OUTSIDE OF THE ROOTBALL TO REMOVE ANY CIRCLING ROOTS
4. ELIMINATE AIR POCKETS AND SECURE PERENNIAL IN VERTICAL POSITION BY TAMPING BACKFILL IN PLACE
5. IMMEDIATELY PRIOR TO PLANTING, SOAK THE ENTIRE ROOTBALL WITH 5 LITRES OF WATER
6. IMMEDIATELY AFTER PLANTING, SOAK THE ROOTBALL WITH 5 LITRES OF WATER MIXED WITH AN APPROVED 10-52-10 WATER SOLUBLE FERTILIZER ACCORDING TO MANUFACTURERS INSTRUCTIONS
7. PRUNE TO REMOVE ALL DEAD AND DAMAGED FLOWER STALKS AND FOLIAGE



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### CONTAINER GROWN PERENNIAL PLANTING DETAIL

DATE: JANUARY 2025

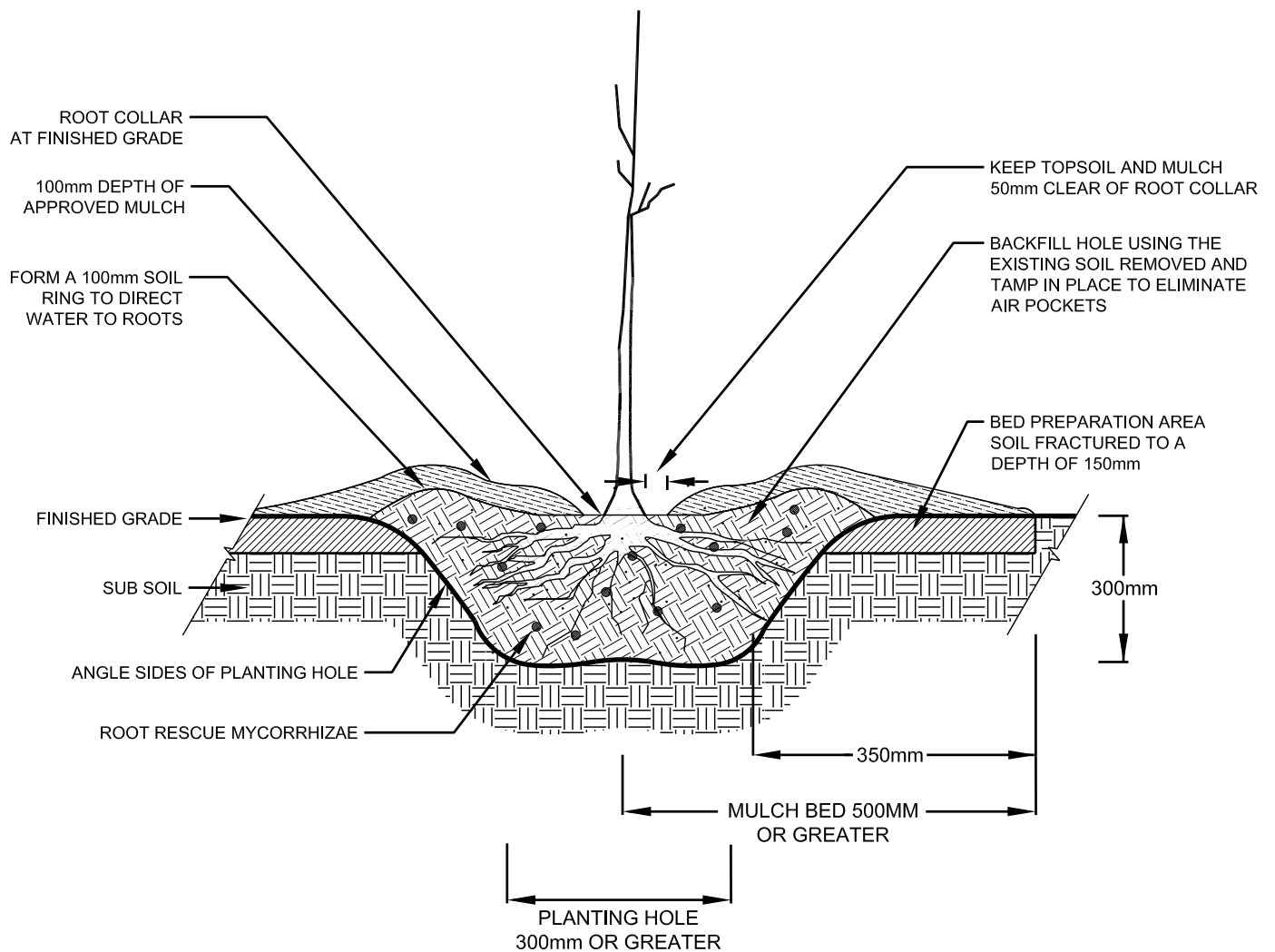
SCALE N.T.S.

REV.

X

X

NHF-113



### **NOTES:**

PLANTING DETAIL TO BE READ IN CONJUNCTION WITH THE REGION'S SPECIFICATIONS FOR BARE ROOT SEEDLING PLANTING

### **INSTALLATION:**

ALL BARE ROOT MATERIAL SHALL BE PLANTED SO THE ROOTS LIE IN THEIR NATURAL POSITION AND THE PLANT'S ROOT COLLAR IS AT NORMAL GROUND ELEVATION.

### **MYCORRHIZAL INOCULANTS:**

INSTALL ROOT RESCUE TRANSPLANTER MS-CS OR AN APPROVED EQUIVALENT

### **TREE WRAPPING, TAGS & LABELS:**

REMOVE ALL TREE WRAPPING AND TIES AT THE TIME OF PLANTING. DO NOT REMOVE TAGS OR LABELS.



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## **BAREROOT SEEDLING PLANTING DETAIL**

DATE: JANUARY 2025

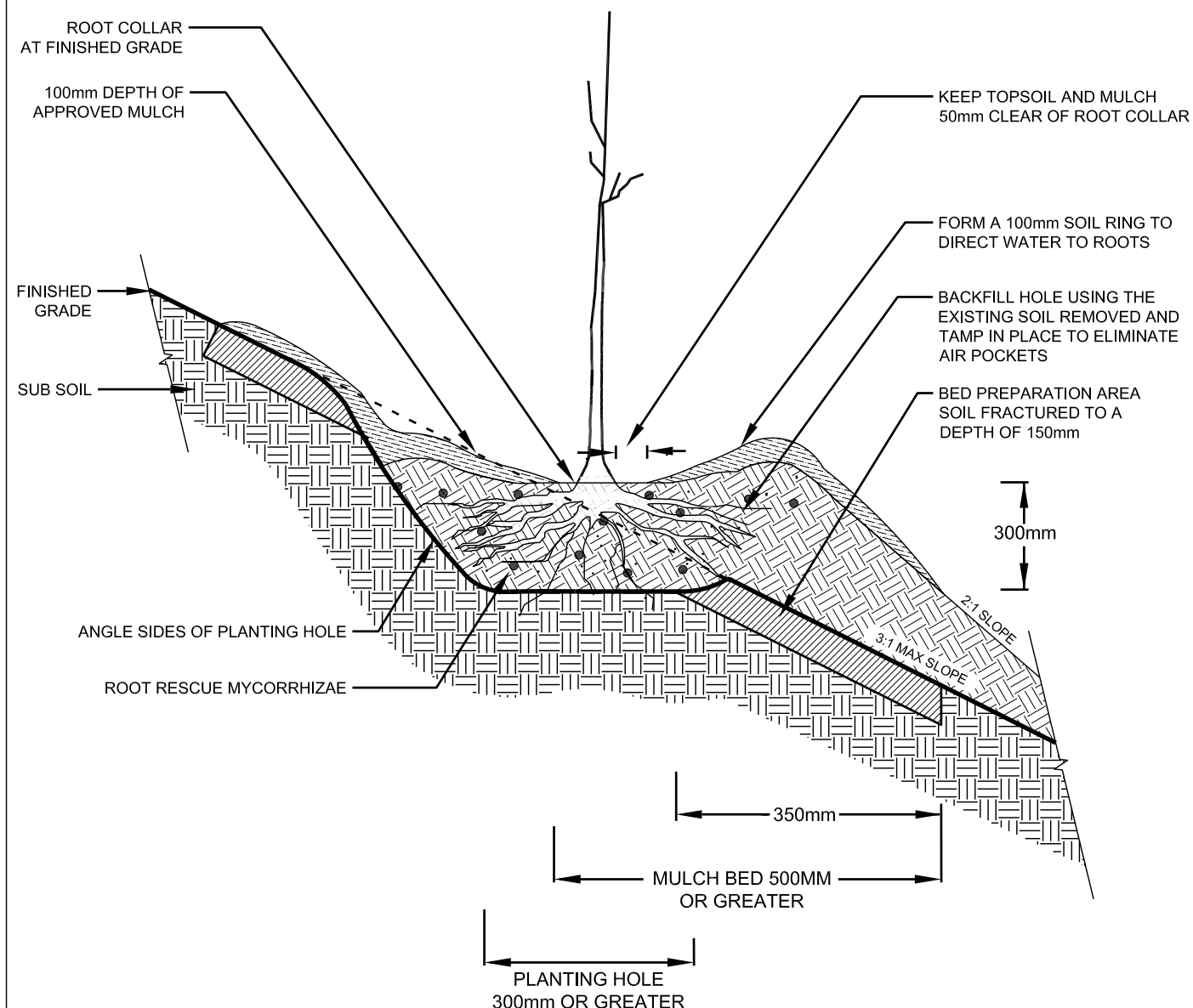
SCALE N.T.S.

REV.

X

X

NHF-114



### NOTES:

PLANTING DETAIL TO BE READ IN CONJUNCTION WITH THE REGION'S SPECIFICATIONS FOR BARE ROOT SEEDLING PLANTING

### INSTALLATION:

ALL BARE ROOT MATERIAL SHALL BE PLANTED SO THE ROOTS LIE IN THEIR NATURAL POSITION AND THE PLANT'S ROOT COLLAR IS AT NORMAL GROUND ELEVATION.

### MYCORRHIZAL INOCULANTS:

INSTALL ROOT RESCUE TRANSPLANTER MS-CS OR AN APPROVED EQUIVALENT

### TREE WRAPPING, TAGS & LABELS:

REMOVE ALL TREE WRAPPING AND TIES AT THE TIME OF PLANTING. DO NOT REMOVE TAGS OR LABELS.



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## BAREROOT SEEDLING PLANTING DETAIL FOR SLOPES

DATE: JANUARY 2025

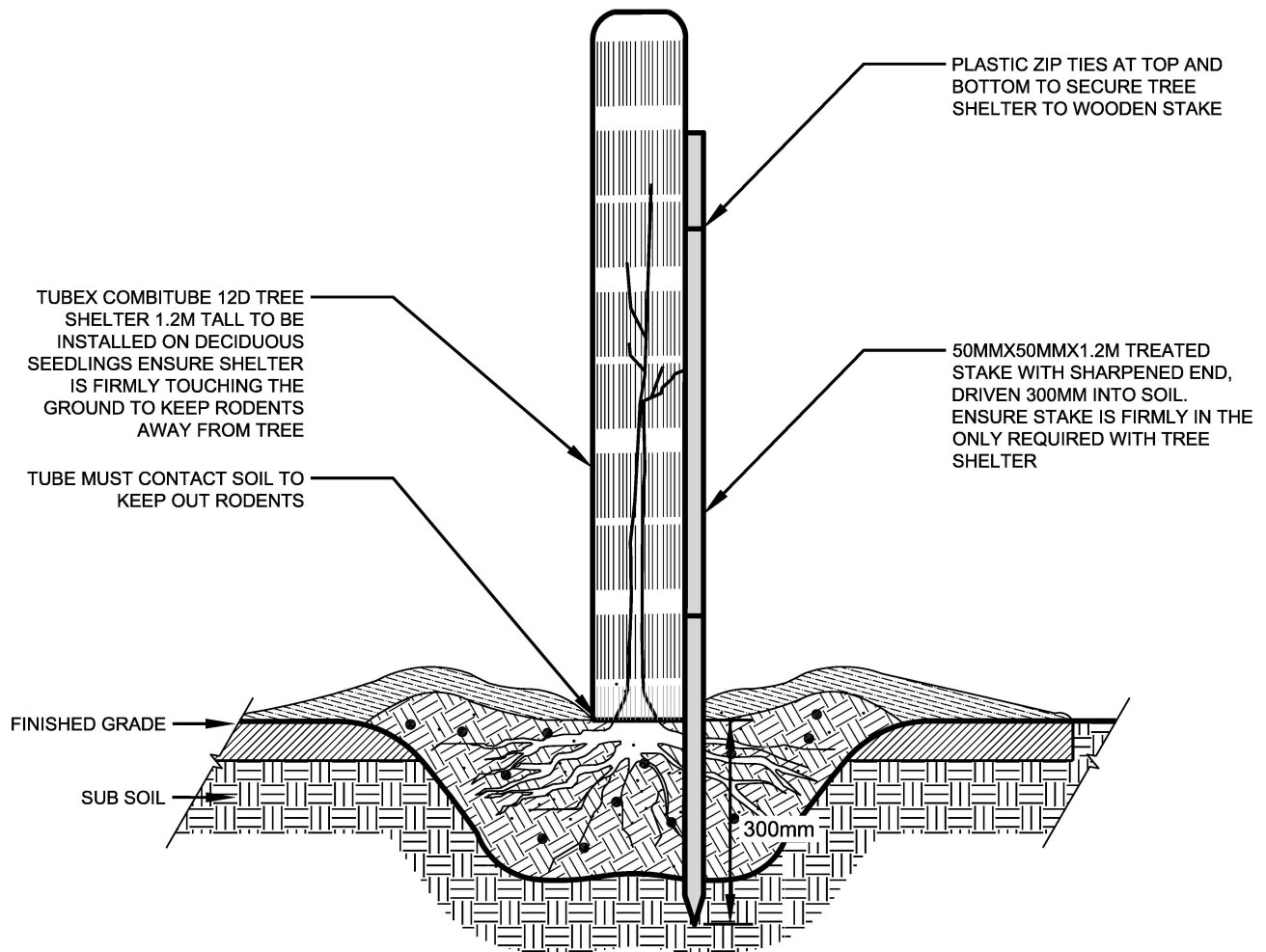
SCALE N.T.S.

REV.

X

X

NHF-115



## NOTES:

Detail to be read in conjunction with the Region's specifications for rural tree planting.

The Contractor shall supply and install Tubex 12D Combitude tree shelters to a height of 1.2m tall around all seedlings planted. Using a 5cmx5cmx1.2m treated wooded stake, the Contractor shall install the stake at the base of the seedling to a soil depth of at least 30cm, ensuring the stake is firmly in the ground. Using two plastic zip ties, the Contractor is to secure the tree shelter to the stake near the top and bottom. The Contractor is to ensure the bottom of the tree shelter is firmly touching the ground to keep rodents away from the trees.



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## TUBEX TUBE DETAIL FOR RURAL PLANTINGS

DATE: JANUARY 2025

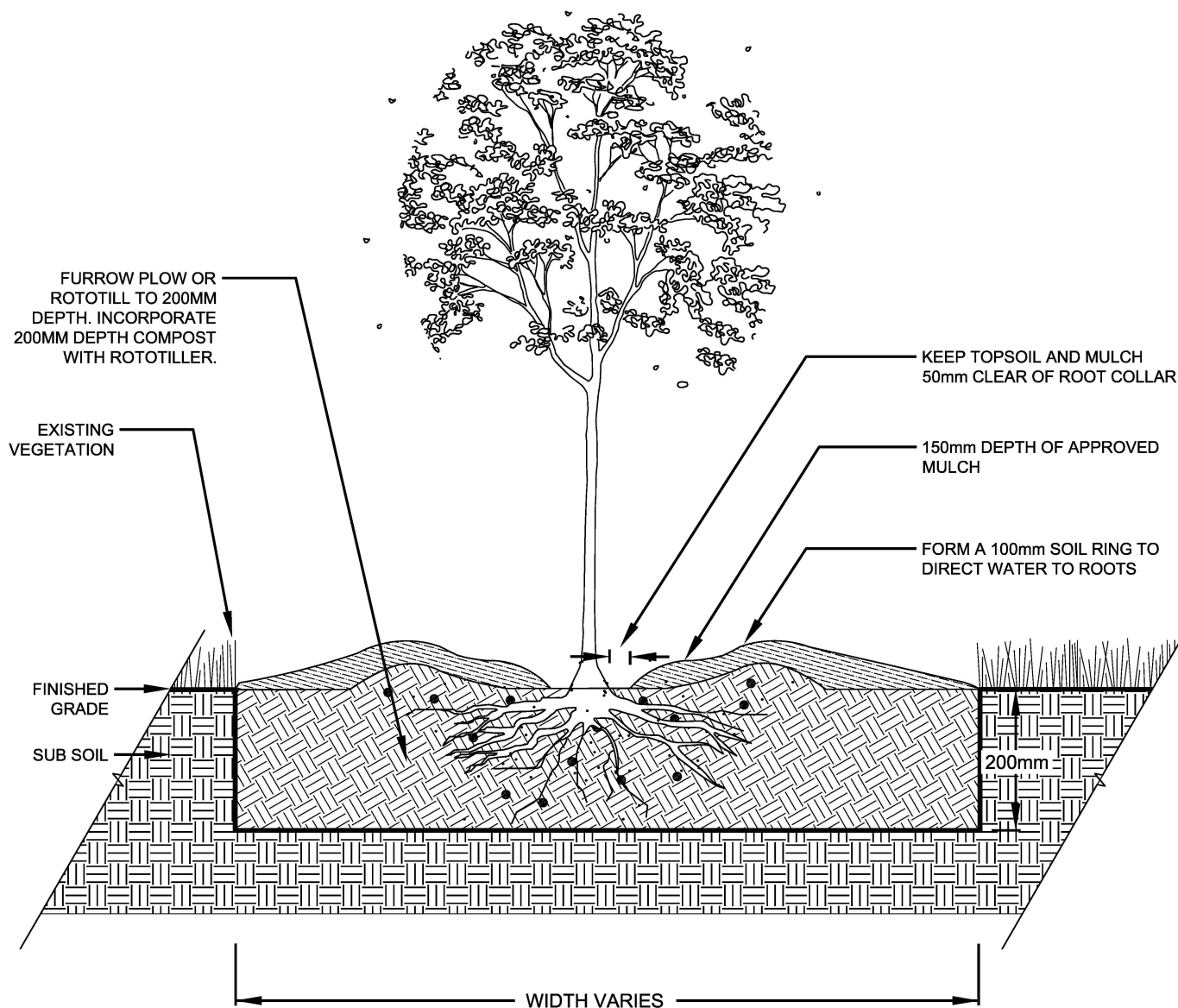
SCALE N.T.S.

REV.

X

X

NHF-116



### **NOTES:**

PLANTING DETAIL TO BE READ IN CONJUNCTION WITH THE REGION'S SPECIFICATIONS FOR SITE PREPARATION FOR RURAL PLANTINGS.

### **INSTALLTION:**

FURROW PLOW OR ROTOTILL AREA TO 200MM DEPTH. ROTOTILL 200MM COMPOST INTO NATIVE SOIL TO 200MM DEPTH. PLANTING BED TO HAVE UNIFORM SURFACE GRADE, APPLY AGED CONIFEROUS WOOD CHIP MULCH TO 150MM DEPTH AFTER SETTLING OVER ENTIRE PLANTING BED.

INSTALL TREES AS PER THE REGION'S DETAILS FOR RURAL PLANTING.



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## **SITE PREPARATION DETAIL FOR RURAL PLANTINGS**

DATE: JANUARY 2025

SCALE N.T.S.

REV.

X

X

NHF-117

STACK TWO 600MM TALL UNITS  
OF TUBEX SHELTERGAURD  
PLASTIC MESH NETTING WITH  
CLEAR POLYETHYLENE FILM

METAL T-POST 2100MMX25MM

SECURE SHORT ENDS OF TUBEX  
SHELTERGAURD WITH ONE  
PLASTIC ZIP TIE BETWEEN EACH  
T-POST

SECURE SHELTERGAURD TO  
EACH T-POST WITH TWO  
PLASTIC ZIP TIES AT TOP AND  
BOTTOM

FINISHED GRADE

SUB SOIL

400mm

### TOP VIEW

SHELTER GUARD

TREE

T-POST

300mm

### NOTES:

DETAIL TO BE READ IN CONJUNCTION WITH THE REGION'S  
SPECIFICATIONS FOR TUBEX SHELTERGAURD

CONSTRUCT SHELTER USING 2 SHEETS OF TUBEX  
SHELTERGAURD 120MM PLASTIC MESH NETTING WITH CLEAR  
POLYETHYLENE FILM LINING (EACH SHEET 600MMX200MM).  
INSTALL ON 3 METAL T-POSTS PLACED EQUALLY APART IN A  
TRIANGLE PATTERN, SPACED 300MM FROM TREE TRUNK AND  
DRIVEN TO 400MM DEPTH. JOIN SHORT ENDS OF SHEETS AND  
SECURE TO T-POST WITH PLASTIC ZIP TIES. ENSURE BOTTOM  
OF SHELTERGAURD FIRMLY TOUCHES THE GROUND TO KEEP  
RODENTS WAY FROM TREE.



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### TUBEX SHELTERGAURD DETAIL FOR RURAL PLANTINGS

DATE: JANUARY 2025

SCALE N.T.S.

REV.

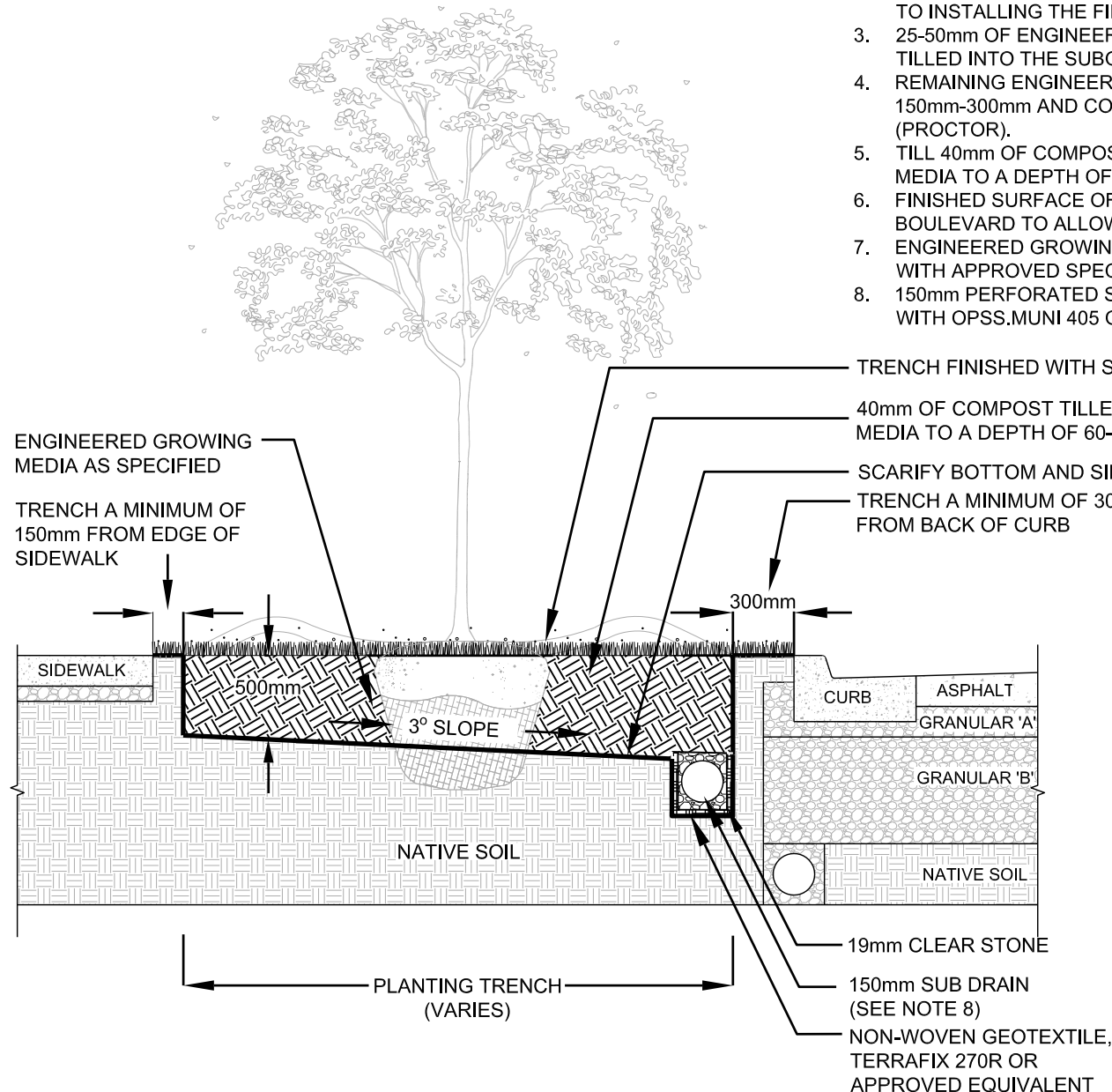
X

X

NHF-118

## NOTES

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE ENGINEERED GROWING MEDIA AND TRENCH REQUIREMENTS.
2. SUBGRADE SOIL SHALL BE SCARIFIED TO A DEPTH OF 100mm OR GREATER PRIOR TO INSTALLING THE FIRST LIFT OF ENGINEERED GROWING MEDIA.
3. 25-50mm OF ENGINEERED GROWING MEDIA SHALL BE PLACED IN THE TRENCH AND TILLED INTO THE SUBGRADE SOIL.
4. REMAINING ENGINEERED GROWING MEDIA SHALL BE INSTALLED IN LIFTS OF 150mm-300mm AND COMPACTED BETWEEN 75% AND 80% OF MAXIMUM DRY DENSITY (PROCTOR).
5. TILL 40mm OF COMPOST INTO TOP LAYER OF INSTALLED ENGINEERED GROWING MEDIA TO A DEPTH OF 60-90mm.
6. FINISHED SURFACE OF TRENCH SHALL BE 50-75mm HIGHER THAN SURROUNDING BOULEVARD TO ALLOW FOR SETTLEMENT.
7. ENGINEERED GROWING MEDIA TRENCH TO BE FINISHED WITH SOD IN ACCORDANCE WITH APPROVED SPECIFICATIONS.
8. 150mm PERFORATED SUB DRAIN TO "T" OUTLET INTO CATCH BASIN IN ACCORDANCE WITH OPSS.MUNI 405 OR APPROVED SPECIFICATIONS.



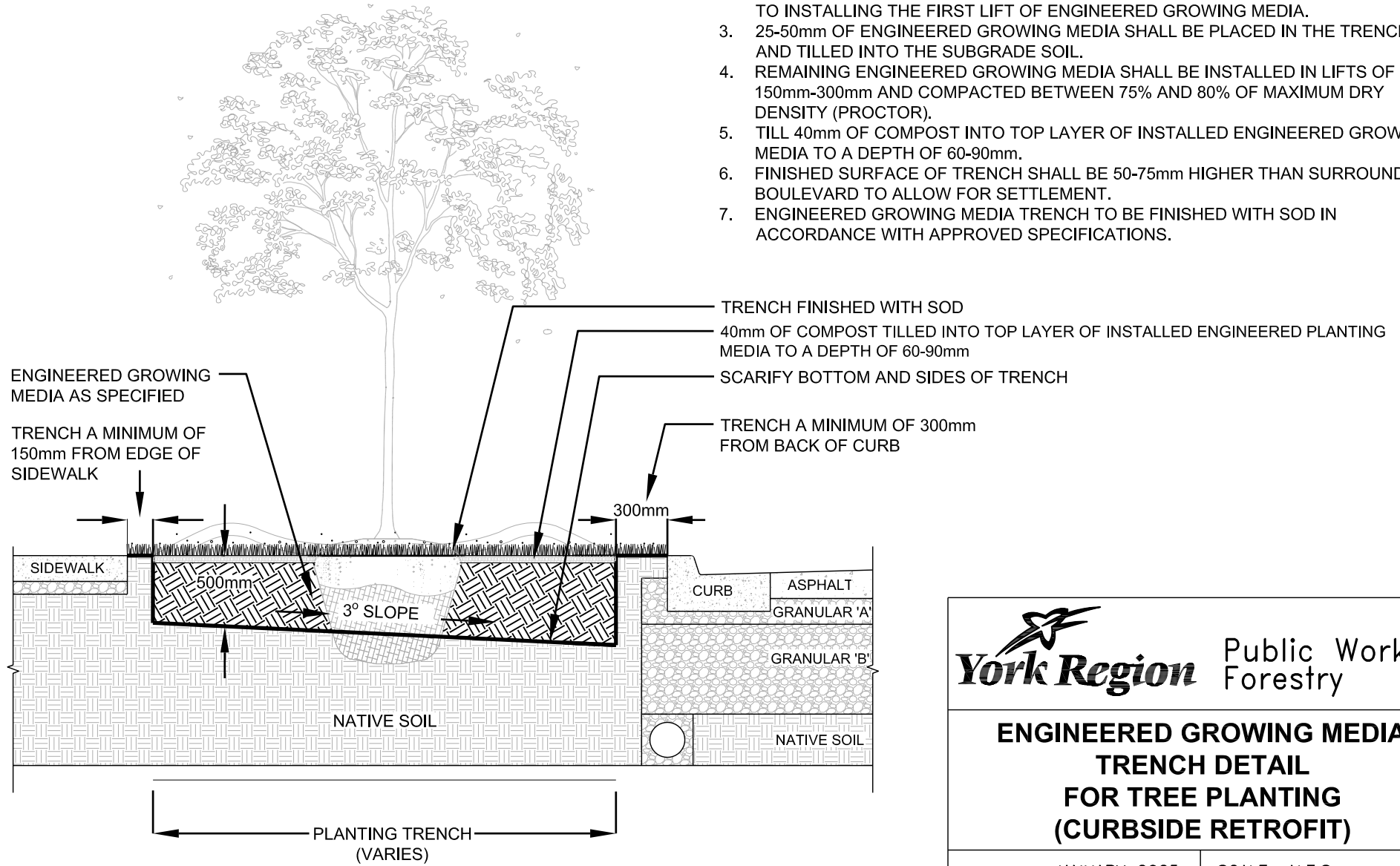
## ENGINEERED GROWING MEDIA TRENCH DETAIL FOR TREE PLANTING (NEW CONSTRUCTION)

DATE:	JANUARY 2025	SCALE	N.T.S.
REV.	x	x	NHF-200



## NOTES

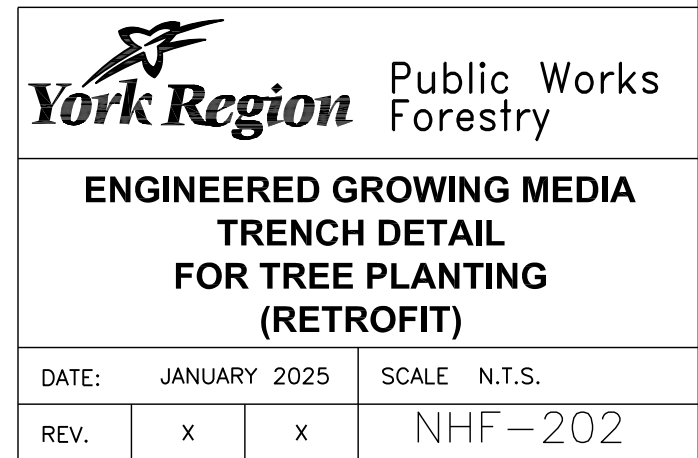
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7. ENGINEERED GROWING MEDIA TRENCH TO BE FINISHED WITH SOD IN ACCORDANCE WITH APPROVED SPECIFICATIONS.

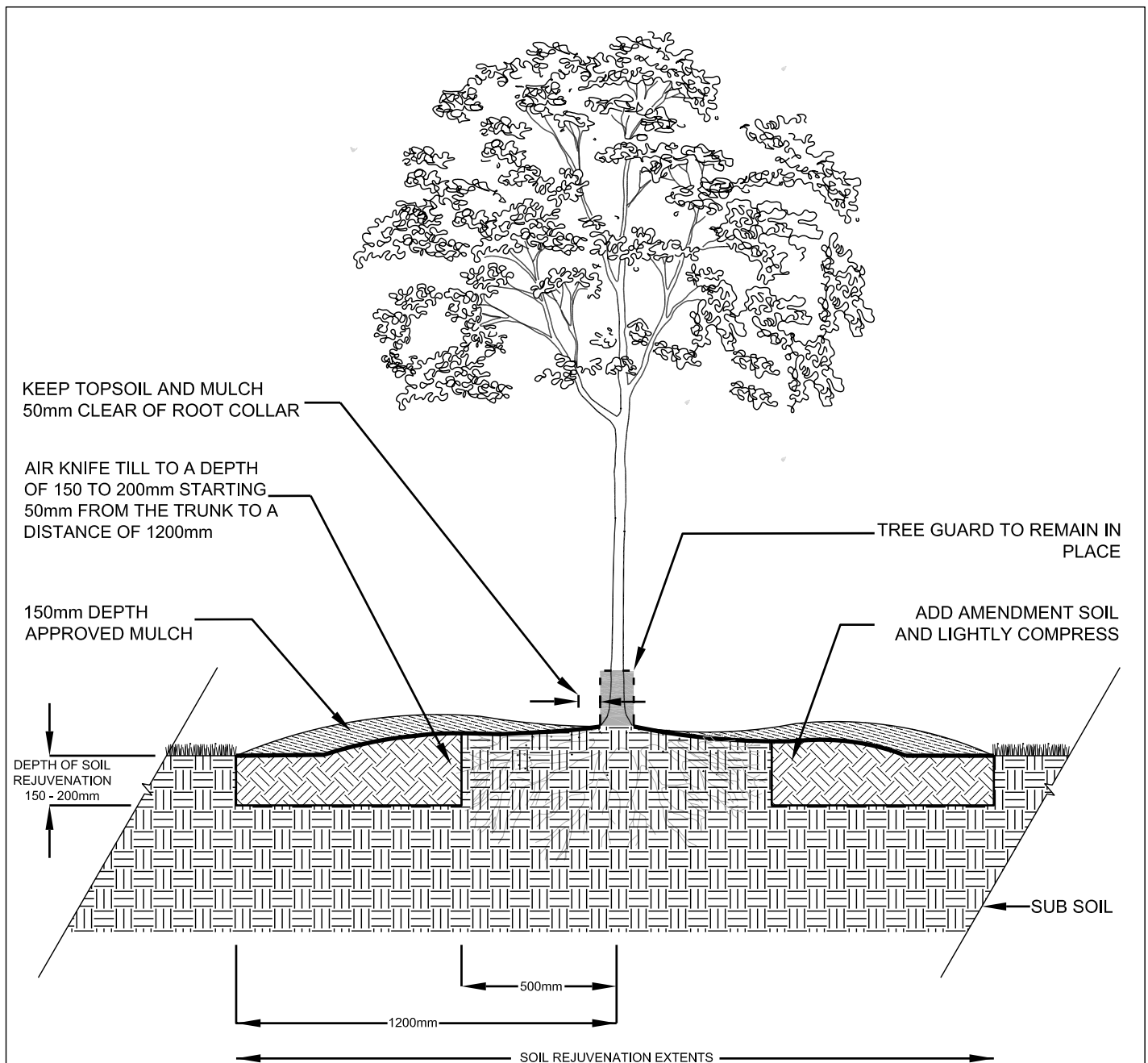


## ENGINEERED GROWING MEDIA TRENCH DETAIL FOR TREE PLANTING (CURBSIDE RETROFIT)

DATE:	JANUARY 2025	SCALE	N.T.S.
REV.	X	X	NHF-201

1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE ENGINEERED GROWING MEDIA AND TRENCH REQUIREMENTS.
2. SUBGRADE SOIL SHALL BE SCARIFIED TO A DEPTH OF 100mm OR GREATER PRIOR TO INSTALLING THE FIRST LIFT OF ENGINEERED GROWING MEDIA.
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7. ENGINEERED GROWING MEDIA TRENCH TO BE FINISHED WITH SOD IN ACCORDANCE WITH APPROVED SPECIFICATIONS.





## BOULEVARD SOIL REJUVENATION SPECIFICATIONS

BOULEVARD SOIL REJUVENATION DETAIL TO BE READ IN CONJUNCTION WITH THE REGIONS SPECIFICATIONS FOR BOULEVARD SOIL REJUVENATION

- TREE GUARD SHALL BE LEFT IN PLACE; ANY GRASS/WEEDS GROWING AT TREE STEM SHALL BE REMOVED
- KEEP SOIL AND MULCH 50mm CLEAR OF ROOT COLLAR
- FINISHED GRADE SHALL MEET EXISTING GRADE SURROUNDING THE REJUVENATION AREA
- MULCH SHALL BE PLACED STARTING 50mm FROM THE TRUNK OUT TO 1200mm AND MUST BE 150mm IN DEPTH AFTER SETTLING
- MULCH IS TO BE PLACED OVER THE ENTIRE REJUVENATION AREA
- 0.085 CUBIC METRES OF AMENDMENT SOIL IS TO BE MIXED INTO TILLED AREA AND LIGHTLY COMPRESSED.



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## BOULEVARD SOIL REJUVENATION DETAIL

DATE: AUGUST 2018

SCALE N.T.S.

REV.

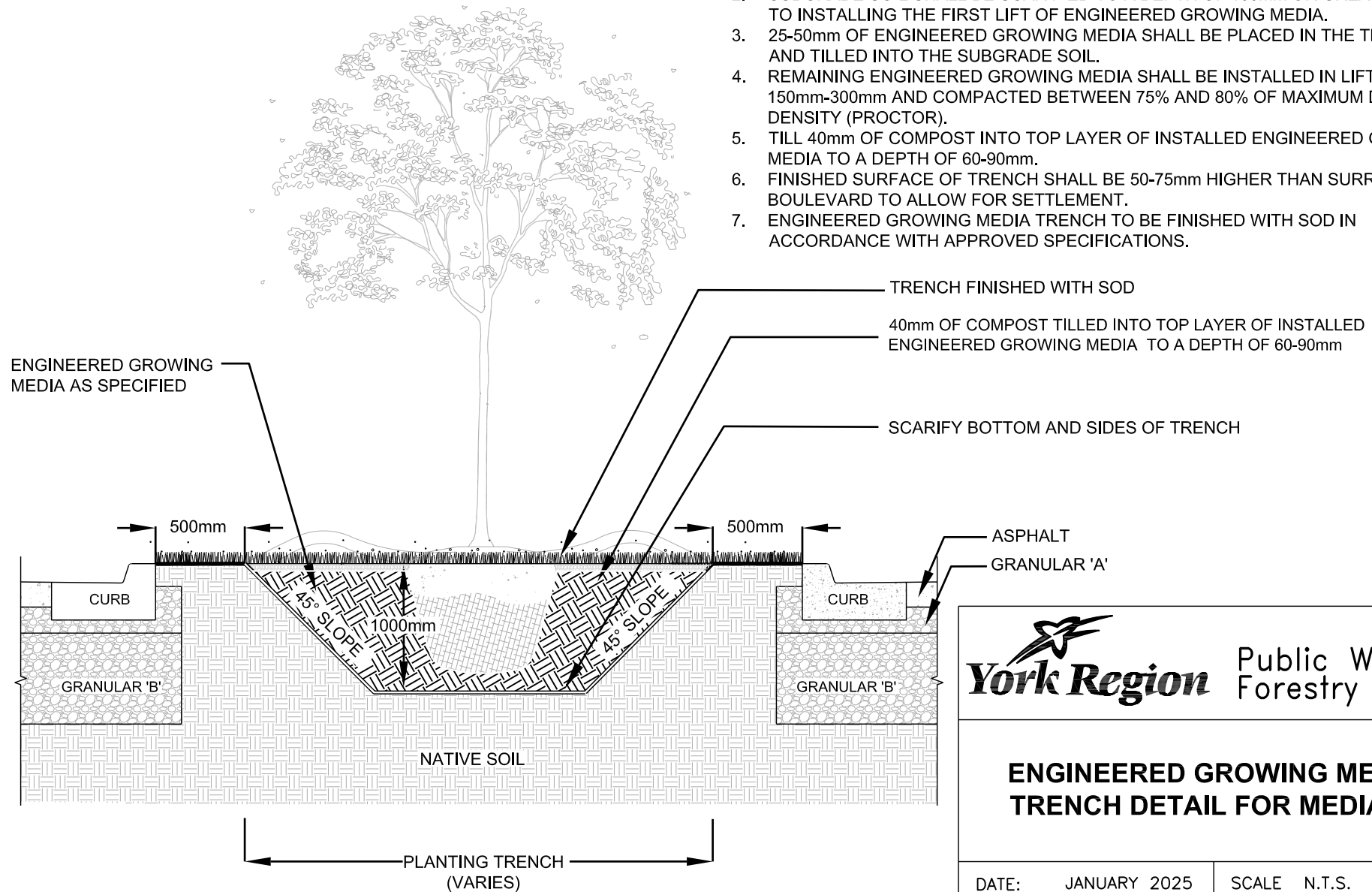
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NHF-203

## NOTES

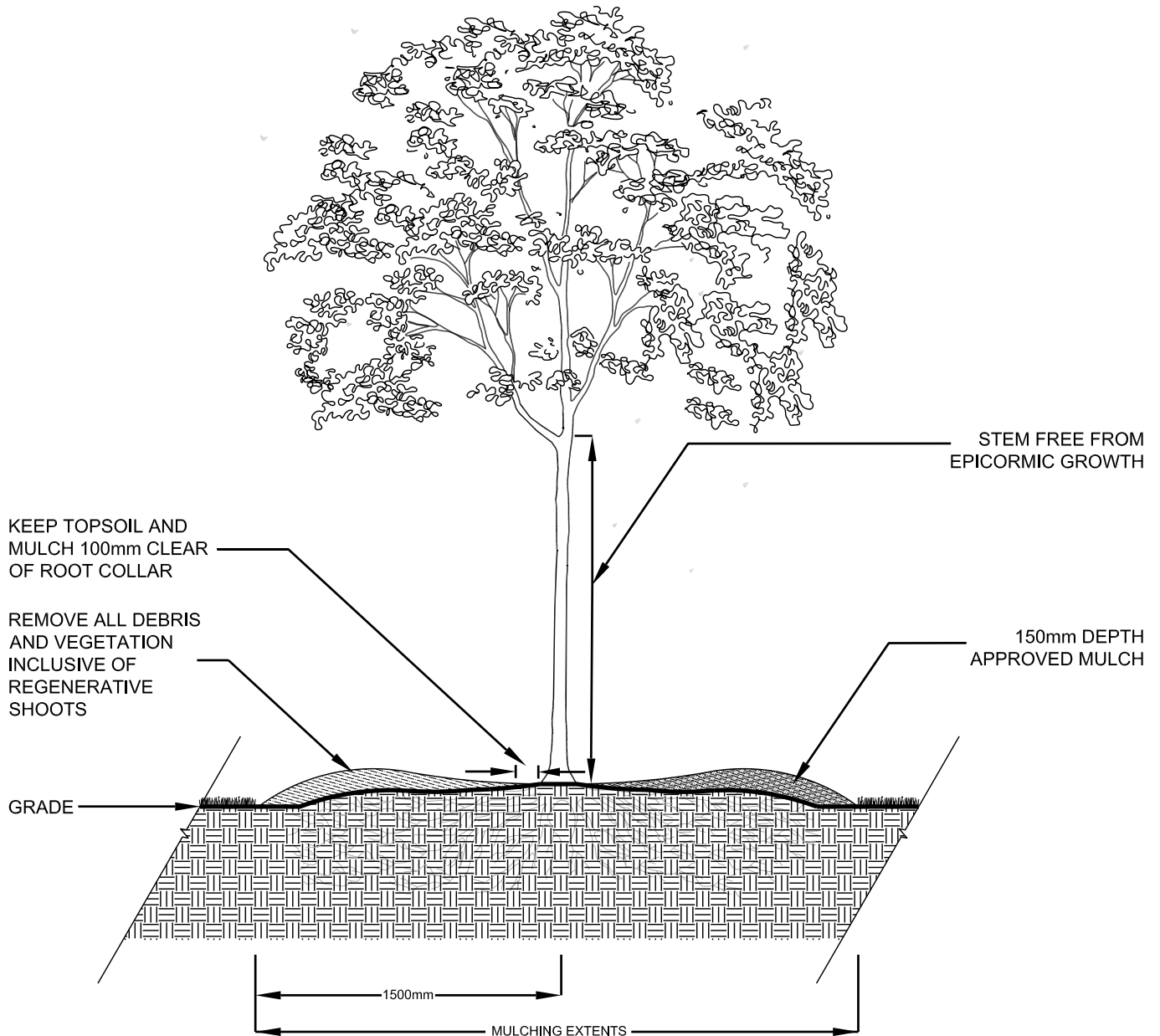
1. REFER TO YORK REGION SPECIFICATIONS FOR COMPLETE ENGINEERED GROWING MEDIA AND TRENCH REQUIREMENTS.
2. SUBGRADE SOIL SHALL BE SCARIFIED TO A DEPTH OF 100mm OR GREATER PRIOR TO INSTALLING THE FIRST LIFT OF ENGINEERED GROWING MEDIA.
3. 25-50mm OF ENGINEERED GROWING MEDIA SHALL BE PLACED IN THE TRENCH AND TILLED INTO THE SUBGRADE SOIL.
4. REMAINING ENGINEERED GROWING MEDIA SHALL BE INSTALLED IN LIFTS OF 150mm-300mm AND COMPACTED BETWEEN 75% AND 80% OF MAXIMUM DRY DENSITY (PROCTOR).
5. TILL 40mm OF COMPOST INTO TOP LAYER OF INSTALLED ENGINEERED GROWING MEDIA TO A DEPTH OF 60-90mm.
6. FINISHED SURFACE OF TRENCH SHALL BE 50-75mm HIGHER THAN SURROUNDING BOULEVARD TO ALLOW FOR SETTLEMENT.
7. ENGINEERED GROWING MEDIA TRENCH TO BE FINISHED WITH SOD IN ACCORDANCE WITH APPROVED SPECIFICATIONS.



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## ENGINEERED GROWING MEDIA TRENCH DETAIL FOR MEDIANS

DATE:	JANUARY 2025	SCALE	N.T.S.
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## JUVENILE TREE MAINTENANCE SPECIFICATIONS

JUVENILE TREE MULCHING DETAIL TO BE READ IN CONJUNCTION WITH THE REGIONS SPECIFICATIONS FOR JUVENILE TREE MAINTENANCE SPECIFICATIONS

- REMOVE ALL VEGETATION
- REMOVE GATOR BAGS, STAKES, SUPPORT WIRES, LITTER AND DEBRIS
- LIGHTLY SCARIFY TOP 40MM OF SURFACE SOIL AND CULTIVATE EXISTING MULCH
- FERTILIZE WITH 140 GRAMS OF APPROVED FERTILIZER
- MULCH SHALL BE INSTALLED TO A 1500MM RADIUS AT 150MM DEPTH
- MULCH SHALL NOT COME WITHIN 100MM OF STEM



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## JUVENILE TREE MULCHING DETAIL

DATE: FEBRUARY 2019

SCALE N.T.S.

REV.

X

X

NHF-205