Vanasse Hangen Brustlin, Inc.

Transportation Land Development **Environmental Services**

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PLANTING SUMMARY & NOTES

COMMON NAME

ZONE 1 - FLOODPLAIN (WET) 9 SPECIES

ZONE 2 - FLOODPLAIN (DRY) 8 SPECIES

Lindera benzoin	Z2	Spicebush	TUBELINGS - CONTAINER #2	A	40
Hamamelis virginiana	Z 2	Witch hazel	TUBELINGS 0.5" TO 1.5"	A	40
Sambucus canadensis	Z1	Elderberry	TUBELINGS - CONTAINER #2	A	20
Viburum lentago	Z2	Nannyberry	TUBELINGS - CONTAINER #2	A	40
Alnus serrulata	Z1	Alder	TUBELINGS - CONTAINER #2	A	20
Amelanchier canadensis	Z1	Serviceberry	TUBELINGS 0.5" TO 1.5"	A	40
Quercus rubra	Z2	Northern Red Oak	TUBELINGS 0.5" TO 1.5"	•	20
Platanus occidentalis	Z2	Sycamore	TUBELINGS 0.5" TO 1.5"	•	20
Acer saccharinum	Z1 Z2	Silver Maple	TUBELINGS 0.5" TO 1.5"	•	12
Acer saccarum	Z2	Sugar Maple	TUBELINGS 0.5" TO 1.5"	6	20
Quercus bicolor	Z1	Swamp White Oak	TUBELINGS 0.5" TO 1.5"	0	12

SPLIT THE TOTAL NUMBER OF EACH PLANT SPECIES INTO EQUAL THIRDS OF TUBELINGS 0.5" CALIPER AND 1.5" CALIPER.

SCIENTIFIC NAME

A SPLIT THE TOTAL NUMBER OF EACH PLANT SPECIES INTO EQUAL HALVES OF TUBELINGS AND CONTAINER #2.

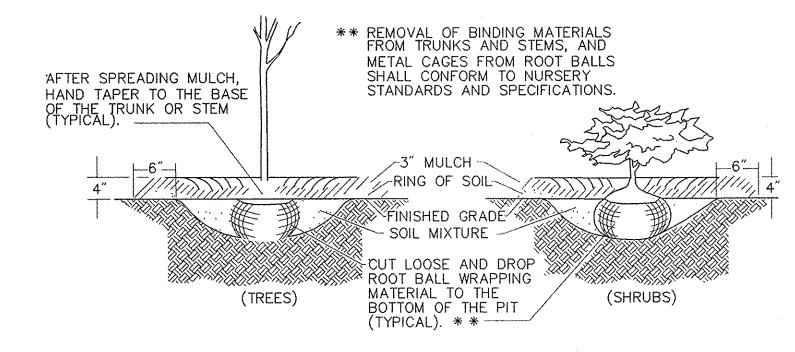
STOCK SIZE/

PLANT CALIPER

TOTAL NUMBER OF PLANTS

Planting Notes:

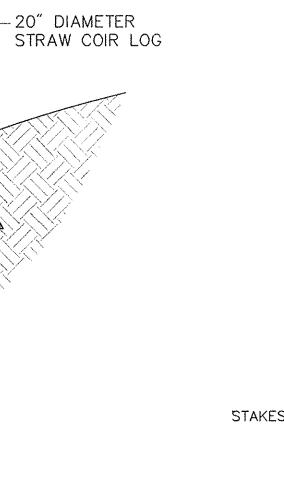
- 1. CONTAINER DEFINED AS IN AMERICAN NURSERY STANDARD FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- 2. BALLED AND BURLAPPED TREES CAN SERVE AS SUBSTITUTE STOCK WITH THE APPROVAL OF THE PROJECT OFFICER.
- 3. TREES SHALL NOT BE PLANTED UNTIL AFTER SEPTEMBER 20th IN ORDER TO MAXIMIZE SURVIVABILITY
- 4. A MINIMUM OF 60 DAYS PRIOR TO COMMENCING PLANTING OPERATIONS, THE CONTRACTOR SHALL SUBMIT A PLANTING PLAN THAT ILLUSTRATES NATURAL PLACEMENT AND CLUSTERING OF THE PROPOSED SPECIES IN THE SPECIFIED ZONES. THIS PLAN MUST BE APPROVED BY THE ENGINEER 15 DAYS PRIOR TO DELIVERY OF PLANT MATERIALS TO THE SITE. FINAL PLACEMENT AND CLUSTERING OF TREES SHALL BE AS APPROVED BY THE ENGINEER.



Balled & Burlapped, & Container Plants

N.T.S.

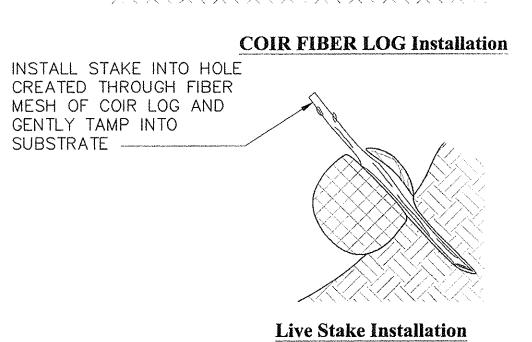
Source: VHB



2"x2"x4' WOODEN

ANCHOR STAKES,

4′ O.C.



PLACE FOOTER LOGS, MINIMUM 30-INCH

DIAMETER 20-FEET LONG, AT BASE OF

PROVIDE A STABLE FOUNDATION FOR COIR FIBER LOGS. ANCHOR LOGS BY

PLACING ANCHOR BOULDERS AT LOG

ABUTMENT LOCATIONS AS INDICATED ON SHEET C-2.

ANCHOR BOULDER 2'x3'x4' (MIN.) -

EXISTING VERTICAL/CONCAVE SLOPE TO

Notes:

- 1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 5 WORKING DAYS PRIOR TO BEGINNING LIVE STAKE INSTALLATION.
- 2. PLACE COIR ON TOP OF FOOTER LOG AND IN 6" DEEP TRENCH ALONG SLOPE OF EMBANKMENT.
- 3. INSTALL LIVE STAKES IN CLUSTERS OF 2 TO 3 SPACED APPOXIMATELY EVERY 10 LINEAR FEET.

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Straw COIR	FIBER	LOG/Live	Stake	Stabilization

N.T.S.

Source: VHB

EV_101

_ 1'-6"__ MIN. DRIVE STAKE AT ANGLE AND DRAW VERTICAL ---STAKES WILL BE DRIVEN OUTSIDE DEPTH OF STAKES SHALL BE 2'-0" RING OF SOIL BALL 2" X 2" X 6'-0" LONG STAKE DECIDUOUS TREES LESS THAN 2" IN CALIPER, EVERGREEN TREES LESS THAN 4 FEET IN HEIGHT, SHRUBS 4 FEET OR MORE IN HEIGHT.

Double	Staking	&	Stake	Placer	ment
N.T.S.				Source:	VHB

SCIENTIFIC NAME		COMMON NAME	POUND	POUNDS PER ACRE		
FLOODPLAIN SEED MIXTURE (ZONE	1) 25	lbs/Ac.	ATOT	TOTAL - 16 lbs.		
Carex crinata	Fringed sec	dge		0.6		
Polygonum pennsylvanicum	Great smar	rt weed	·	3		
Panicum clandestinum	Deer tongu	e		3		
Glyceria striata	Fowl manne	agrass		1.2		
Juncus effusus	Soft rush			0.6		
Scirpus cyperinus	Bulrush			0.6		
Lollum perenne	Annual rye	grass		6.2		
Lobelia cardinalis	Cardinal flo	ower		0.2		
Iris versicolor	Blueflag iri:	\$		0.6		
UPLAND SEED MIXTURE (ZONE 2) Lolium perenne	50 Annual Rye) lbs/Ac. egrass	TOTA	TOTAL — 11 lbs.		
Anthoxanthum odoratum	Sweet Verr	nal Grass		1,5		
Setaria italica	Meadow Fo	oxtail		1.3		
Andropogon scoparius	Little Blues	stem		2.2		
Trifolium repens	White Clov	er		2.2		
Rudbeckia Hirta	Brown-eye	Brown-eyed Susan		1.5		
STREAMBANK AREAS	SIZE	SPACING	PLANT	QUANTITY		
Cornus stolonifera (Red stem dogwood)	0.5-2.0° DIA. 2.0-4.0° LONG	3′ O.C.	LIVE STAKE	50		
Cornus amomum (Silky dogwood)	0.5-2.0° DIA. 2.0-4.0' LONG	3′ O.C.	LIVE STAKE	50		
Salix nigra (Black willow)	0.5-2.0" DIA. 2.0-4.0' LONG	3′ O.C.	LIVE STAKE	50		

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Sawmill River Priority Reach 1 Stabilization/Enhancement Project

Montague, Massachusetts Bidding & Construction

Planting Summary & Details

Drawing Title



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