

ITEM 661, PLANTING MISC.: LIVE STAKES

LIVE STAKING MUST BE PERFORMED DURING THE DORMANT PERIOD. THAT IS, NOVEMBER 31ST TO MARCH 31ST.

LIVE STAKES SHALL BE CUT FROM AN APPROVED SOURCE WITH A SHARP TOOL. STAKES SHALL BE FREE FROM DISEASE OR EXCESS DEAD TWIGS, 2 TO 3 FEET IN LENGTH WITH A BASAL END 0.5 TO 1.5 INCH IN DIAMETER.

STAKES SHALL BE OBTAINED FROM NURSERIES OR AN APPROVED SOURCE. STAKES MUST HAVE SIDE BRANCHES CLEANLY REMOVED AND BARK INTACT. AT THE TIME OF HARVESTING, THE BASAL (LOWER) ENDS SHOULD BE CUT AT AN ANGLE OR POINT FOR EASY INSERTION INTO THE SOIL. THE TOP SHOULD BE CUT SQUARE. THIS CUTTING PATTERN WILL ALSO INDICATE WHICH END MUST BE

THE LOWER THIRD OF THE STAKES MUST BE KEPT WET FROM THE TIME OF HARVESTING UNTIL THEY ARE INSTALLED. STAKES THAT HAVE NOT BEEN KEPT WET DURING HARVESTING. TRANSPORT. OR STORAGE WILL BE REJECTED. MATERIALS SHALL BE INSTALLED WITHIN TWO DAYS OF HARVESTING. STAKES MAY BE STORED LONGER WITH PERMISSION FROM THE ENGINEER, PROVIDED THEY ARE CONTINUOUSLY STORED IN WATER AT A TEMPERATURE BETWEEN 25 TO 40 DEGREES FAHRENHEIT.

INSTALL THE STAKES PERPENDICULAR TO THE GROUND SURFACE BY TAMPING THEM INTO THE GROUND WITH A DEAD BLOW MALLET. AT LEAST 3 OF EACH STAKE MUST EXTEND INTO THE SOIL. A STEEL ROD OR HYDRAULIC PROBE MAY BE USED TO MAKE A PILOT HOLE IN FIRM SOIL, PROVIDED THE ROD OR PROBE HAS A SMALLER DIAMETER THAN THE STAKES, SO THAT THE STAKES MAKE FIRM CONTACT WITH THE SOIL.

THE BARK ON THE STAKES MUST REMAIN INTACT DURING HARVESTING AND INSTALLATION. STAKES WITH BARK DAMAGED DURING INSTALLATION MUST BE REMOVED AND REPLACED. ANY STAKE THAT SPLITS MORE THAN 4 INCHES MUST BE REMOVED

SHREDDED TOPS OF THE STAKES MUST BE REMOVED AFTER INSTALLATION, LEAVING A CLEAN CUT END. UPON COMPLETION, ONLY 1/3 OF LIVE STAKE SHALL PROTRUDE FROM THE SOIL

661, PLANTING, MISC.: LIVE STAKES				
BOTANICAL NAME	COMMON NAME	SPACING (FT)	QUANTITY	
SALIX INTERIOR/EXIGUA	SANDBAR WILLOW		1200	
CORNUS AMOMUM	SILKY DOGWOOD		1200	
SALIX DISCOLOR	PUSSYWILLOW		1200	
SALIX NIGRA	BLACK WILLOW	3'x3'	1200	
VIBURNUM DENTATUM	ARROWWOOD VIBURNUM		1200	
SAMBUCUS CANADENSIS	ELDERBERRY		1200	
CORNUS STOLONIFERA	RED OSIER DOGWOOD		1200	
TOTALS CARRIED TO GENERAL SUMMARY			8400	



COIR MAT AT STREAM CHANNEL DETAIL

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SEEDING AND MULCHING, AS PER PLAN THE FOLLOWING QUANTITIES ARE PROVIDED TC GROWTH AND CARE OF PERMANENT SEEDED ARE) PROMOTE AS:	CALCULATED RCB CHECKED TJP
659, SOIL ANALYSIS TEST 659, TOPSOIL 659, SEEDING AND MULCHING, AS PER PLAN 659, REPAIR SEEDING AND MULCHING 659, COMMERCIAL FERTILIZER 659, LIME 659, WATER	2 EACH 801 CY 7213 SY 361 SY 0.97 TON 1.49 ACRE 39 M GAL	
SEEDING AND MULCHING, AS PER PLAN SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF- WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING, AS PER PLAN ARE BASED ON THESE LIMITS. PAYMENT FOR COIR MATTING MATERIAL AND INSTALLATION SHALL BE INCLUDED WITH SEEDING AND MULCHING, AS PER PLAN		DN DETAILS
SEQUENCE OF CONSTRUCTION FOR ALL AREAS SOIL WITHIN THE CONSTRUCTION LIMITS SHALL THE FOLLOWING: 1) PREPARE AREA USING TOPSOIL, COMMERCIA AND LIME PER CMS 659. 2) APPLY SLOPE STABILIZATION SEED MIX FR THIS SHEET	OF EXPOSED CONSIST OF AL FERTILIZER ROM TABLE ON	ESTORATIC
3) APPLY STRAW MULCH AT RATE OF 2 TONS, (80 BALES/ACRE).	/ACRE	8

4) INSTALL COIR MATTING (400-700 G/M2) SEE DETAIL THIS SHEET.

THE CONTRACTOR SHALL PROVIDE COIR MATTING FROM THE FOLLOWING LIST OF PRODUCTS/MANUFACTURERS OR AN APPROVED EQUIVALENT:

NEDIA KoirMat 700 NEDIA ENTERPRISES. INC. TEL: (888) 725-6999 FAX: (571) 223-0202 WWW.NEDIA.COM

BioD-Mat 70 ROLANKA INTERNATIONAL, INC. 155 ANDREW DRIVE STOCKBRIDGE, GA 30281 TEL: (800) 760-3215 FAX: (770) 506-0391 WWW.ROLANKA.COM

EC-7Y COIR MAT (700g-m2) EAST COAST EROSION CONTROL 443 BRICKER ROAD BERNVILLE, PA 19506 TEL: (800) 582-4005 FAX: (610) 488-8494 WWW.EASTCOASTEROSION.COM

BioNet C700BN WESTERN GREEN 4609 E. BOONVILLE-NEW HARMONY ROAD EVANSVILLE, IN 47725 TEL: (800) 772-2040 WWW.NAGREEN.COM

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