

New Castle County
Purchasing Division
New Castle County Government Center
87 Reads Way
New Castle, DE 19720
(302) 395-5250

Mowing, Sod, Meadows, Seeding, Reforestation
Bid #23A-008

Addendum #1

The purpose of this Addendum 1 is to provide an update to the Reforestation, Section 5 and provide information on the UDC standard and to provide general information/answers to some questions asked regarding the acreage and deer protection tube for whip installation.

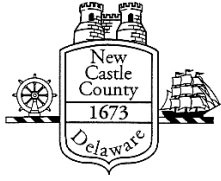
The UDC minimum standard of 700 trees/acre for “plugs” and 300 trees/acre for “whips”, which is found in Section 40.23.240 (see below).

Vendor can provide a price for each (plug and whip) at those planting rates. All shall be native tree species.

SECTION 40.23.240 AFFORESTATION/REFORESTATION REQUIREMENTS

All forest mitigation areas or open spaces to be afforested/reforested shall be planted pursuant to one or a combination of alternatives set forth in Table 40.23.240 using the plant species listed in Appendix 3 to this Chapter.

- A. The area around each tree shall be mulched. The entire area may be mulched or seeded in a perennial grass mix with a minimum thirty (30) percent indigenous herbaceous forest, or grassland species.
- B. Trees shall be selected to provide a diversity of native plants. All plants and trees used for afforestation/reforestation must consist only of species native and indigenous to Delaware. Selected plants and trees may not include cultivars or hybrids of species or State rare or endangered species.
- C. Plants and trees shall be selected and arranged within the afforestation/reforestation area in accordance with site conditions.
- D. Afforestation/reforestation plantings shall include a minimum of six (6) species. Where more than two hundred (200) trees are provided, a minimum of eight (8) species shall be used; no one (1) species shall have less than five (5) or more than twenty (20) percent of the total trees.
- E. Appendix 3 to this Chapter provides a list of unacceptable and suggested plant species and afforestation/reforestation planting guidelines.
- F. A plan for perpetual maintenance of any afforestation/reforestation area must be provided with the landscape plan and approved by the Department. The plan must include methodology for



New Castle County
 Purchasing Division
 New Castle County Government Center
 87 Reads Way
 New Castle, DE 19720
 (302) 395-5250

Mowing, Sod, Meadows, Seeding, Reforestation
Bid #23A-008

Addendum #1

removing invasive plants while protecting reforestation plantings and facilitating the establishment of a leaf-litter layer on the ground within the reforestation area.

- G. The survival rate for reforestation areas shall be a minimum of one hundred (100) trees per acre or at least seventy-five (75) percent of the total number of trees planted per acre under the approved plan, whichever is greater. Replanting shall be required to meet this minimum standard for sites where the survival threshold is not met. Infill planting also may be required where planting fails in large contiguous areas, resulting in tree spacing greater than twenty five (25) feet.

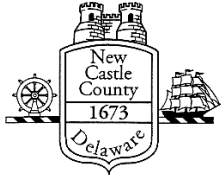
Table 40.23.240
AFFORESTATION/REFORESTATION PLANTING RATE ALTERNATIVES PER ACRE

<i>No. of Trees per Acre</i>	<i>Minimum Size and Approximate Spacing</i>
120*	1-1/2" caliper trees (20' x 20' spacing)
200*	3/4" caliper trees (15' x 15' spacing)
300*	3' to 6' tall whip trees (11' x 11' spacing)
700*	Container or bare root seedling trees** (8' x 8' spacing)

* Includes canopy and understory tree species with understory trees constituting a minimum of 5%, and a maximum of 10% of the total (see Appendix 3).

** Seedlings are trees installed at less than 2' tall.

Note: spacing indicated does not imply that trees must be planted in a grid pattern.



New Castle County
Purchasing Division
New Castle County Government Center
87 Reads Way
New Castle, DE 19720
(302) 395-5250

Mowing, Sod, Meadows, Seeding, Reforestation
Bid #23A-008

Addendum #1

REFORESTATION – SECTION 5

Item	Unit	Price	Item Needed
1.	Acre	\$	Site preparation
2.	Acre	\$	Reforestation seed mix sowing
3.	Acre	\$	Plugs and whips planting (Vendor can provide a price for each (plug and whip) at those planting rates.)
4.	Acre	\$	Mowing (per each occurrence)
5.	Acre	\$	Invasive control
6.	2000 Gallons	\$	Per 2000-Gallon Potable Water
7.	Acre	\$	Per application of fertilizer (as necessary)
8	Deer Protection Tube (optional)	\$	Vendor may provide pricing as an <u>option</u> for Deer Protection Tube for Whip Installation, as this is an optional item.

Questions/Answers:

Question/Answer: Please provide additional information on the acreage. **Answer: Out of 6,000+ acres of total County parkland, there are approximately 1,650 mowed acres --of which, 450 acres are currently mowed by vendors.**

Regarding tree/landscape plantings and reforestation/meadow conversion areas --currently there are multiple park units that have planned needs for these items. However, capital/operating budgets, project timeframes and staffing availability all factor-in on when these items can be implemented.

Question/Answer: Is a deer protection tube required for whip installation? **Answer: This is an optional item and vendors can provide pricing as an option.**

All other terms and conditions remain the same.

Michael Hojnicky
Chief of Technology & Administrative Services