

Alliance for the Chesapeake Bay Forest Planting Contractor Bid

Spring 2023: Pennsylvania

The Alliance for the Chesapeake Bay is seeking bids from forest planting contractors to establish new forest on 106.3 total acres in Pennsylvania during the spring 2023 planting season. Services sought also include site preparation, annual 'turnkey' maintenance, and replanting services on portions of those acres. Services sought entail:

- Pre-planting mowing on 4.5 acres across 2 planting sites.
- Pre-planting brush-hogging to remove autumn olive shrubs on 2.5 acres at 1 planting site
- Planting 28,843 bare-root seedlings during spring 2023 planting season (17 Sites, 106.3 Acres)
 - Installation of non-perforated 5' deer shelters on 26,838 planted stems at 16 sites
 - Installation of perforated 5' deer shelters on 1,182 planted stems at 1 site
 - Installation of biodegradable 5' deer shelters on 823 planted stems at 2 sites
- Post-planting 'turnkey' annual maintenance
 - Two mows and two sprays on 97.35 acres across 14 sites from 2023-2025
 - Two mows only on 2.75 acres at 1 site from 2023-2025
- Post-planting replanting of dead trees and shrubs from 2023-2025
 - Replanting dead trees marked by Alliance staff on 100.1 acres across 14 sites

Scope of Work

The contractor shall be responsible for providing all equipment, material and supplies to complete the tree planting projects and maintenance according to the planting specifications & contractor's responsibilities listed below. The contractor shall scalp away the turf at each tree seedling planting location, hand plant (dibble bar or hoedad only) approximately 28,843 bare-root tree seedlings, install approximately 28,843 five-foot (5') total tree shelters, with 1"x1" white oak stakes, reversible ties, and netting on approximately 106.3 acres between April 1, 2023 and June 1, 2023. Trees and shrubs will be planted on 17 properties in 6 counties, including York, Lebanon, Mifflin, Berks, Centre, and Lancaster Counties Pennsylvania; site locations are indicated on the project spreadsheet. Full 'Turnkey' maintenance will consist of mowing, spraying systemic herbicide around each tree shelter, replanting, and straightening/re-staking tree shelters twice a growing season for three growing seasons from 2023-2025 on the sites identified on the project spreadsheet (97.35 acres, 14 sites). One site will receive only mowing (2.75 acres) due to its organic designation. Annual replanting will consist of replacing dead/dying trees that have been identified by Alliance staff on 100.1 acres across 15 sites.

Minimum Qualifications of a Bidder

1. The Bidder will be a reputable contractor with a minimum of five (5) years of experience in planting bare-root tree seedlings, installing tree shelters with stakes & bird nets and possess current insurance and pesticide applicators license.
2. The Bidder may be asked to provide three references that can verify qualifications above and copies of current insurance and license. A Bidder that does not meet the minimum qualifications will be rejected.

Planting Specifications and Contractor's Responsibilities

1. On sites which require prep mows, the contractor will mow each site within one month of the planting, if deemed necessary by the Alliance for the Chesapeake Bay (Alliance).
2. The contractor will provide all labor, planting stock, materials, and equipment to fulfill all aspects of the scope of work as outlined above. Species and quantities of tree seedlings to be planted are included in the planting plans provided by the Alliance. The contractor agrees to follow the planting specifications provided in the tree planting plan for each property unless otherwise directed and approved by Alliance personnel.
3. The contractor shall scalp away turf at 5" x 5" at the spot of each tree seedling.
4. All tree seedlings will be hand planted (dibble bar or hoedad only) at the spacing grid specified in the tree planting plan for the site, as prepared by the Alliance, using accepted industry standards, methods, and equipment.
5. All seedlings when transported and/or stored on a planting site will always be protected with reflective seedling tarps or other appropriate means to prevent overheating and drying out of the seedlings. There will be no root pruning of the seedlings unless approved by the Alliance.
6. The contractor will dip all tree seedling roots in a water retention polymer such as Terra-Sorb, Soil Moist, or similar product, with approval of the Alliance, prior to planting. The contractor will provide the Terra- Sorb, Soil Moist, or similar product.
7. The contractor agrees to begin planting at a date mutually acceptable to both parties and to complete the planting projects by no later than June 1, 2023 (absolutely no exceptions). The planting shall not be done when excess water is standing on the site, or when the ground is frozen or extremely dry.
8. The contractor will plant seedlings at the depth the seedlings were grown, which is to be the root collar. Planting holes will be properly closed to ensure that all air pockets are removed.
9. The contractor will plant each tree seedling in such a manner that "J" and "U" roots will not occur, and each tree seedling will be firmed with mineral soil packed in and around the roots so the seedling cannot be pulled out of the ground by light tugs.
10. The contractor will provide 28,843 seedlings (according to the requested species selection and quantities) 28,843 five-foot (5') tree shelters (including perforated, non-perforated, and biodegradable) and 1" x 1" x 5' white oak stakes, reversible fastening ties, and bird mesh nettings.
11. The contractor will install the tree shelters around each designated tree in a manner that prevents each seedling from being constricted by the shelter fastening ties. The straight edge of the tree shelters must be installed 2-5 centimeters into the soil. The flared edge is the top end of the tree shelter, on which the bird netting is placed. All tree shelter fastening ties will be pulled tightly and firmly against each tree shelter stake. Bird nets will be installed on each tree shelter

in a manner to prevent bird entry into the shelter and far enough to keep the nets from blowing off in the wind.

12. The contractor will install each tree shelter stake in a straight and upright manner and to a minimum depth in the soil of ten to twelve inches (10"-12"). The top of each installed stake will be no greater than three inches (3") above the top fastening tie of the shelter when it is tightened. All stakes will be placed on the upstream side of the tree shelters so that flood waters contact the stakes prior to the shelters.

13. The contractor will properly install all tree shelters with stakes and bird netting on each tree seedling on the same day that each seedling is planted.

14. The contractor will repair, replace, or reimburse for damage to any property beyond ordinary wear and tear in the performance of the contract.

15. All work performed will be certified by the Alliance as to acceptability and adherence to planting plans and standards before the Alliance will compensate the contractor for any work performed.

16. The final number of planting sites, seedlings, tree shelters, stakes and nets may change prior to the commencement of this contract. The Alliance will notify the contractor of all changes as they occur. Any additions or subtractions to the list of planting sites will be adjusted according to per unit prices in the bid provided.

Maintenance Specifications and Contractor's Responsibilities

1. The contractor will complete 2 annual maintenance visits during the 2023, 2024, and 2025 growing seasons. The first visit shall take place during May-June and the second visit shall take place during August-September.

2. At maintenance visits, all seedlings will receive a 3' diameter systemic herbicide spray treatment around each tree shelter, unless otherwise noted.

3. The site will also be mowed at each maintenance visit. Mowing will be done in strips a minimum of 5' wide on either side of the planted rows.

4. Shelters and stakes will be maintained throughout the period, which includes straightening and stabilizing shelters, removing bird nets, and replacing stakes.

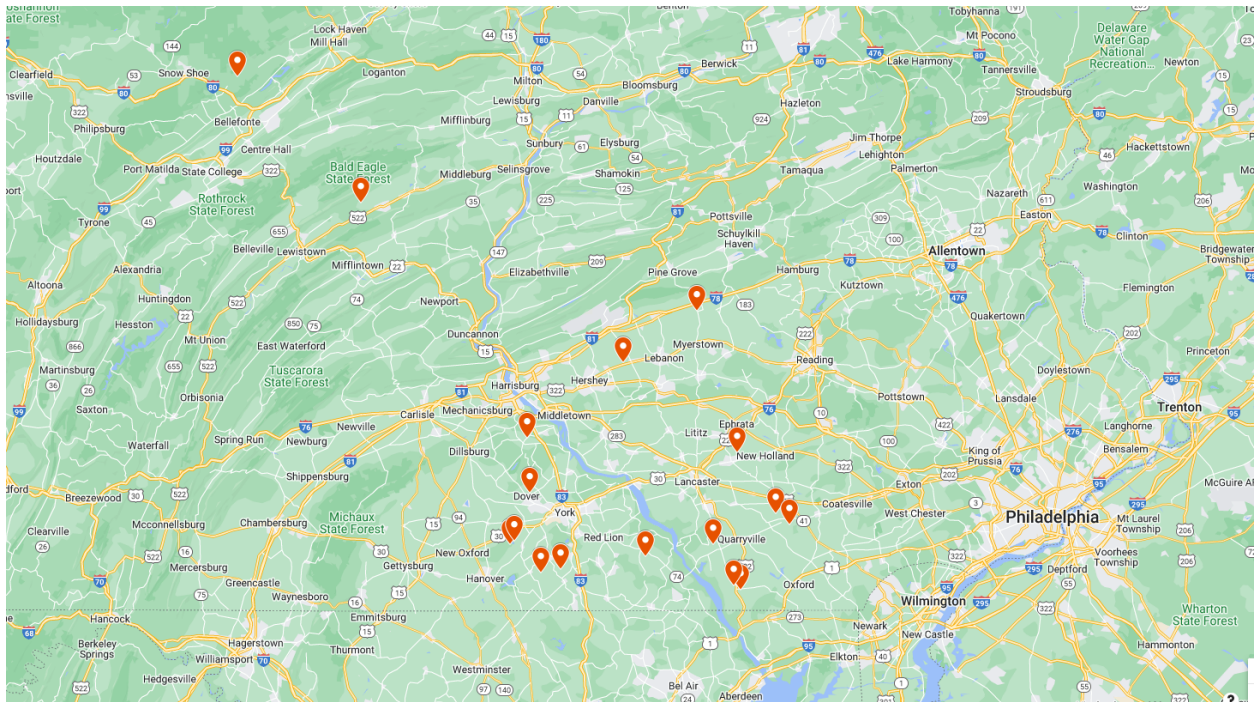
5. Dead and dying trees will be replanted in the spring or fall of the year. Total replants needed at each site will be tallied and communicated to the contractor by Alliance staff.

Site Details

Name	Acres	Trees	County	Address	Prep Mow	Turnkey Maintenance
DL	2.61	720	York	Dover PA 17315	No	Yes
LM*	2.75	625 (all w/ BioTubes)	Lancaster	Paradise PA 17562	No	Yes (Mow Only)
JF	3.54	975	Lancaster	Christiana PA	No	Yes
TD	45	12,375	York	Seven Valleys PA	No	Yes
GG	7	1,925	York	Spring Grove PA 17362	No	Yes
ES	3.6	990	Lancaster	Holtwood PA	No	Yes
TG	1.9	522	Mifflin	McClure PA	No	No
AL*	4	852 (198 BioTubes)	Berks	Myerstown PA	No	Yes
CB	2	550	Lebanon	Anneville PA	No	Yes
SE	7	1,925	Lancaster	Peach Bottom PA	No	Yes
TK**	4.3	1,182	Centre	Howard PA	Yes (2.5)	No
JS	2.5	687	Lancaster	Peach Bottom	Yes	Yes
EM	1.8	495	Lancaster	Leola PA	No	Yes
TSM	2.3	630	York	Lewisberry PA	No	Yes
DD	2.7	740	York	Brogue PA 17309	No	Yes
JM	10	2,750	York	Spring Grove	No	Yes
MS	3.3	900	York	Seven Valleys, PA	Yes (2)	Yes
TOTAL:	106.3	28,843	6		4.5 (Mow) 2.5 (Brush Hog)	100.1 (Mow) 97.35 (Spray)

*Biodegradable shelters (198 at AL, 625 at LM) **Perforated shelters (1,182 at TK)

All Site Locations Map



Individual Site Maps Can Be Provided Upon Request

RETURN BID SHEET (below) Electronically to: rdavis@allianceforthebay.org. All questions about this bid package should be made directly to Ryan Davis through email (see above) or by phone at 757-377-3200.

Bid Sheet - Alliance for the Chesapeake Bay Forest Planting Contractor Bid

Return Bid Sheet By Wednesday, February 8, 2023

Task	Price per unit/acre	Total Bid Price
Provide mowing services on 4.5 acres to prep for planting		
Provide brush-hogging services on 2.5 acres to prepare for planting		
Hand-plant 28,843 bareroot tree seedlings in accordance to the planting plans specifications		
Provide all materials for and install 26,838 non-perforated tree shelters (5') with white oak stakes (5'), reversible ties, and bird netting		
Provide all materials for and install 1,182 perforated tree shelters (5') with white oak stakes (5'), reversible ties, and bird netting		
Provide all materials for and install 823 biodegradable tree shelters (5') with white oak stakes (5'), reversible ties, and bird netting		
Provide 28,843 seedlings in accordance with the provided planting plans		
Provide annual maintenance (2 mowings and sprayings) on 97.35 acres for three (3) growing seasons after planting.		
Provide annual maintenance (2 mowings only) on 2.75 acres for three (3) growing seasons after planting.		
Provide replanting services on 100.1 acres for three (3) growing seasons after planting.		
TOTAL PLANTING BID PRICE		

Company Name:

Address:

Phone:

Email:

Signature:

Date:

Name Printed: