

Alliance for the Chesapeake Bay Forest Planting Contractor Bid

Fall 2023: Pennsylvania

The Alliance for the Chesapeake Bay is seeking bids from forest planting contractors to establish new forest on 53.82 total acres in Pennsylvania during the fall 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 10.26 acres across 3 planting sites.
- Planting 14,868 bare-root seedlings during fall 2023 planting season (15 Sites, 53.82 Acres)
 - Installation of non-perforated 5' deer shelters on 13,493 planted stems at 15 sites
 - Installation of biodegradable 5' deer shelters on 1,375 planted stems at 1 site
- Post-planting 'turnkey' annual maintenance
 - Two mows and two sprays on 35.6 acres across 9 sites from 2024-2026
 - Two sprays only on 1.7 acres at 1 site from 2024-2026
- Post-planting replanting of dead trees and shrubs from 2024-2026
 - Replanting dead trees marked by Alliance staff on 37.3 acres across 10 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 14,868 bare-root tree seedlings, install approximately 14,868 five-foot (5') total tree shelters, with 1"x1" white oak stakes, reversible ties, and netting on approximately 53.82 acres between October 14, 2023 and December 16, 2023. Trees and shrubs will be planted on 15 properties in 6 counties, including York, Lebanon, Franklin, Chester, Northumberland 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 2024-2026 on the sites identified on the project spreadsheet (35.6 acres, 9 sites). One site will receive only spraying (1.7 acres). Annual replanting will consist of replacing dead/dying trees that have been identified by Alliance staff on 37.3 acres across 10 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 December 16, 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 14,868 seedlings (according to the requested species selection and quantities) 14,868 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

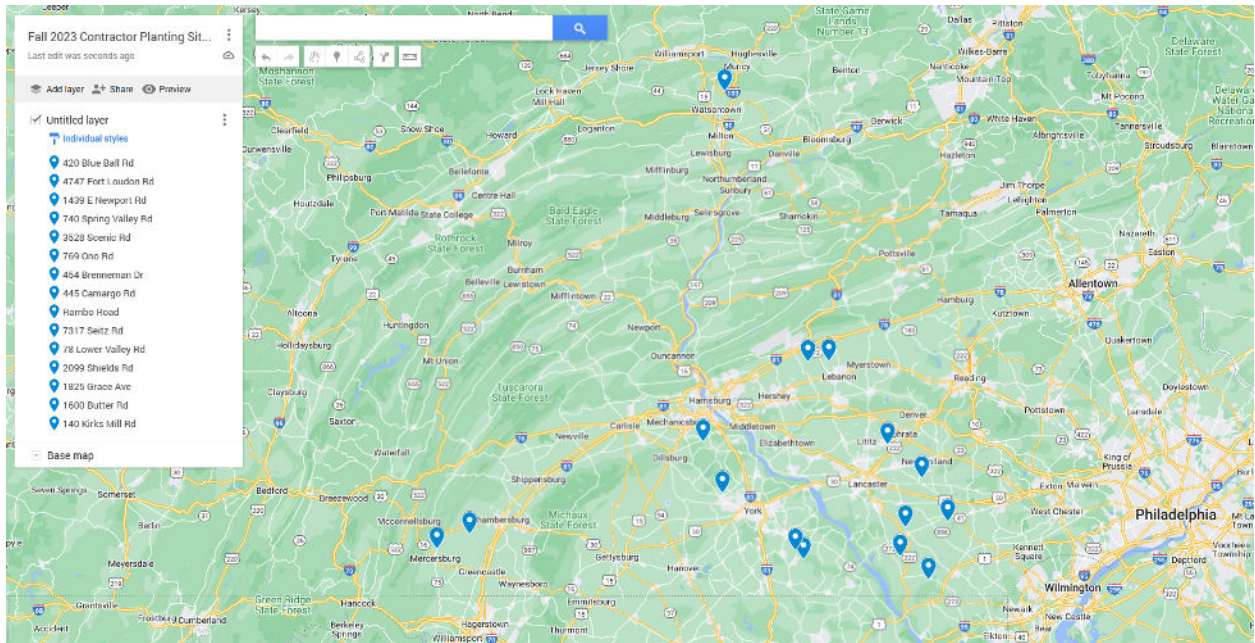
1. The contractor will complete 2 annual maintenance visits during the 2024, 2025, and 2026 growing seasons. The first visit shall take place during May-June and the second visit shall take place during August-September.
2. At maintenance visits, all seedlings will receive a 3' diameter systemic herbicide 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 - Addresses provided upon request

Name	Acres	Trees	County	Town	Prep Mow	Turnkey Maintenance
PS	10.3	2832	Northumberland	Watsonstown PA	No	No
SH	2.7	742	Franklin	Mercersburg PA	No	Yes
LR	4.0	1100	Lancaster	Lititz PA	No	Yes
AL Jr	2.6	715	Lancaster	Quarryville PA	No	Yes
ES	2.5	687	Lancaster	Gordonville PA	No	Yes
DH	5.1	1402	Lebanon	Annaville PA	Yes	Yes
HD	10.0	2750*	York	Mechanicsburg PA	No	Yes
ME	1.65	450	Lancaster	Quarryville PA	No	No
DR	1.23	340	York	Felton PA	Yes	Yes
KM	1.7	520	York	Felton PA	No	Yes (Spray Only)
JF	3.54	975	Lancaster	Christiana PA	No	Yes
LR	3.93	1080	Franklin	Chambersburg PA	Yes	Yes
GW	1.45	400	Lebanon	Lebanon, PA	No	No
SP	1.87	525	York	Dover PA	No	No
RB	1.25	350	Chester	Nottingham, PA	No	No
TOTAL:	53.82	14,868			10.26 ac	35.6 (Mow and Spray) 1.7 (Spray Only)

*Detraglia planting will use 1,375 biodegradable shelters (50%)

All Site Locations Map



Individual Site Maps Provided Upon Request

RETURN BID SHEET (below) Electronically to: jkauffman@allianceforthebay.org. All questions about this bid package should be made directly to Jim Kauffman through email (see above) or by phone at 610-223-7571.

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

Return Bid Sheet By Friday, September 1, 2023

Task	Price per unit/acre	Total Bid Price
Provide mowing services on 10.26 acres to prep for planting		
Hand-plant 14,868 bareroot tree seedlings in accordance to the planting plans specifications		
Provide all materials for and install 13,493 non-perforated tree shelters (5') with white oak stakes (5'), reversible ties, and bird netting		
Provide all materials for and install 1,375 biodegradable tree shelters (5') with white oak stakes (5'), reversible ties, and bird netting		
Provide 14,868 seedlings in accordance with the provided planting plans		
Provide annual maintenance (2 mowings and 2 sprayings) on 35.6 acres for three (3) growing seasons after planting.		
Provide annual maintenance (2 sprayings annually-no mowing) on 1.7 acres for three (3) growing seasons after planting.		
Provide replanting services on 37.3 acres for three (3) growing seasons after planting on sites with mortality over 90%		
TOTAL PLANTING BID PRICE		

Company Name:

Address:

Phone:

Email:

Signature:

Date:

Name Printed: