



## 380 – Windbreak/Shelterbelt Establishment and Renovation Implementation Requirements

PRODUCER \_\_\_\_\_ FARM NAME \_\_\_\_\_

LOCATION \_\_\_\_\_ COUNTY \_\_\_\_\_

FARM & TRACT # \_\_\_\_\_ CONTRACT # \_\_\_\_\_

### DESCRIPTION OF WORK:

### PRACTICE PURPOSE(s) (check all that apply)

- ☐ Reduce soil erosion from wind
- ☐ Enhance plant health and productivity by protecting plants from wind-related damage
- ☐ Manage snow distribution to improve moisture utilization by plants
- ☐ Manage snow distribution to reduce obstacles, ponding, and flooding that impacts other resources, animals, structures, and humans
- ☐ Improve moisture management by reducing transpiration and evaporation losses and improving irrigation efficiency
- ☐ Provide shelter from wind, snow, and excessive heat, to protect animals, structures, and humans
- ☐ Improve air quality by intercepting airborne particulate matter, chemicals, and odors, and/or by reducing airflow across contaminant or dust sources
- ☐ Reduce energy use in heating and cooling buildings, and in relocating snow
- ☐ Increase carbon storage in biomass and soils

### EXISTING BENCHMARK OR TREATMENT LEVEL

Field Number	Acres	Soil Loss Rate	Windbreak Type	Soil Drainage Class	PHZ	Current Land Cover	Degrading Wind Direction

☐ Competing Vegetation Present (list): \_\_\_\_\_

☐ Client wishes to consider alternative tree/shrub products (list): \_\_\_\_\_

\_\_\_\_\_



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### ATTACHED PRACTICE DESIGN REQUIREMENTS AND DOCUMENTATION

Field #		Acres		Windbreak Width		Windbreak Length	
Tree/ Shrub Species	PM Type	PM Size	Establishment Method	# of Rows	In-row spacing	Plant Protection Method	Installation Date

Total amount of plant materials needed: \_\_\_\_\_

Target rate of survival: \_\_\_\_\_

- \_\_\_ Geo-referenced aerial imagery (plan maps) with management units identified at the field or sub-field level where CPS-380 will be installed. Acres for each field or subfield are labeled.
- \_\_\_ Topographic maps covering the area planned for CPS-380 installation.
- \_\_\_ Soil survey maps of all management units where CPS-380 is planned for installation.
- \_\_\_ Soil information and all relevant soil interpretations for the land base including soil type, surface texture, drainage class, permeability, hydrologic soil group (HSG), available water capacity, depth to water table, restrictive features, and flooding and ponding frequency for each management unit where CPS-380 will be installed.
- \_\_\_ Soil Test is necessary; fertilizer recommendation (N-P-K + pH): \_\_\_\_\_
- \_\_\_ Location of designated sensitive areas and any associated application restrictions and required setbacks or areas to avoid. Sensitive areas include, but are not limited to adjacent crop fields, surface water, wetlands, wells, springs, critical habitats. Include the location of nearby residences, or other locations where humans may be present on a regular basis that may be impacted by the project.
- \_\_\_ Site Preparation is necessary; describe: \_\_\_\_\_

Expected weed control method(s) and materials: \_\_\_\_\_

Moisture management/irrigation plans: \_\_\_\_\_

### ADDITIONAL IMPLEMENTATION INSTRUCTIONS:

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### ASSOCIATED PRACTICES REQUIRED TO COMPLETE SYSTEM (need separate IRs)

Practice Code	Practice Name	Units	IR/Design Completed and Attached



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### **PERMIT REQUIREMENTS**

- \_\_\_ Federal, State, or local permits are required prior to the start of installation
- \_\_\_ Permit is final, approving work as outlined on this IR and is attached/on record in case file.

***Enter permit information below:***

Permit Name or Type	Lead Agency or Office	Effective Dates of Permit	Comments or special conditions

### **ENVIRONMENTAL COMPLIANCE/CONSULTATION REQUIREMENTS**

\_\_\_ The Environmental Evaluation for this project requires consultation with other federal and/or state agencies for Special Environmental Concerns prior to the project becoming a federal action.

Special Environmental Concern Requiring Consultation	Agency or Office Required to be Consulted	Status of Consultation	Consultation conclusions and any special requirements for design and installation

**Note:** Beginning project installation prior to completion of consultations and potential requirements to address special environmental concerns could affect the final federal action status of project certification and payment release.

### **OPERATION AND MAINTENANCE PLAN-PRACTICE LIFESPAN = 20 YEARS**

- Inspect the planting at least annually and after major storm events or other disturbances to identify needs for repair and maintenance.
- Maintain protection for trees and/or shrubs during establishment, and removing protective structures (e.g., tube shelters, cages) when plants are large enough to withstand environmental stressors.
- Protect trees and shrubs from adverse impacts including insects, diseases, competing vegetation, fire damage, spray drift, animals, etc.
- Apply maintenance practices and activities at times that minimize wildlife disturbance during the reproductive period for desired species, where wildlife habitat is a consideration.
- Monitor tree or shrub establishment or renovation and replacing dead trees or shrubs as needed until the windbreak is functional.
- Provide supplemental water if needed during the establishment period. Managing competing vegetation during establishment.
- Thin or prune the windbreak to remove dead, injured, or diseased wood and to maintain windbreak function.
- Apply supplemental nutrients periodically to maintain plant vigor following approved fertilizer recommendations.

### **ADDITIONAL OPERATION AND MAINTENANCE REQUIREMENTS:**

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### **DESIGN APPROVALS:**

***I have reviewed the design, installation, special provisions, maps, specifications, operation, maintenance, and record keeping requirements and agree to install, operate, and maintain this project in accordance with these design provisions. I agree to meet all local state and federal laws and regulations and obtain any necessary permits required by this practice installation.***

**Producer:** \_\_\_\_\_ **Date:** \_\_\_\_\_

\_\_\_\_\_ **acres of CPS 380 was planned and designed according to NRCS-NY CPS 380**

**NRCS Planner:** \_\_\_\_\_ **JAA Level Required** \_\_\_\_ **Date:** \_\_\_\_\_

**NRCS Designer:** \_\_\_\_\_ **JAA Level Required** \_\_\_\_ **Date:** \_\_\_\_\_

**OR:**

**Certified Tech Reg TSP for CPS 380 Design (if under contract for design TA):**

**TSP:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**TSP Number:** \_\_\_\_\_ **Tech Reg Expiration Date:** \_\_\_\_\_

### **DOCUMENTATION OF IMPLEMENTATION**

Field #	Acres	Method Used	Tree/Shrub Species Established	Rows Established			Date of Treatment
				# of Rows	Row Length	Plant Spacing	

- \_\_\_ Competing vegetation is controlled to the extent necessary to allow successful establishment
- \_\_\_ Record (product name, application rates, methods, and dates applied) of all chemical products utilized in the implementation of this practice has been provide to NRCS
- \_\_\_ Separate IRs documenting the installation of any additional conservation practices required



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### **INSTALLATION OBSERVATIONS:**

### **PRACTICE IMPLEMENTATION AND CHECKOUT:**

For NRCS to pay on contracted work, all work must be done per this IR. Note that NRCS can only reimburse for specific units where work was actually completed in the field.

\_\_ The project CPA-52 documents and covers the practice implementation specified in this IR and documents the appropriate conclusion as an acceptable federal action that requires no further analysis.

**Total acres Installed Meeting NRCS-NY 380** \_\_\_\_\_

**Date Practice Completed:** \_\_\_\_\_

**Date Reviewed** \_\_\_\_\_ **Date Field Checked** \_\_\_\_\_

***I certify that this practice has been installed in accordance with NRCS-NY CPS 380***

**NRCS Approver** \_\_\_\_\_ **JAA Level Required:** \_\_\_\_ **Date:** \_\_\_\_\_

**OR**

**Certified Tech Reg TSP for CPS 380 Installation (under contract for installation and checkout TA):**

**TSP:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**TSP Number:** \_\_\_\_\_ **Tech Reg Expiration Date:** \_\_\_\_\_