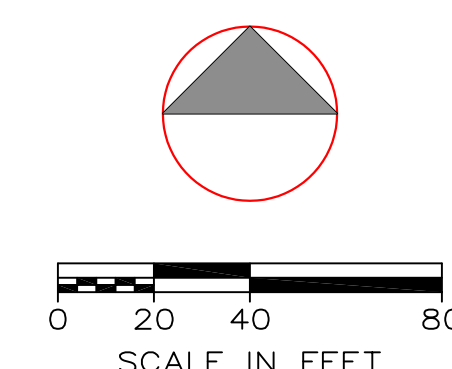


LOCATION MAP
N.T.S.



- Proposed shrub mass
- Proposed deciduous tree
- Proposed deciduous tree

Plant Species Choices for Mitigation Area				
Map Symbol	Quantity	Scientific Name	Common Name	Size
Trees				
AM	10	Acer rubrum	Red Maple	5' - 6' (15 gal)
LS	2	Liquidambar styraciflua	Sweetgum	5' - 6' (15 gal)
NS	5	Nyssa sylvatica	Tupelo	5' - 6' (15 gal)
PG	8	Picea glauca	White spruce	8' - 10'
Shrubs				
CS	20	Cornus sericea	Redosier dogwood	3' - 4' (5 gal)
SD	21	Clethra alnifolia	Summersweet	3' - 4' (5 gal)
VD	15	Viburnum dentatum	Arrowwood	4' - 5' (5 gal)
IV	7	Ilex verticillata	Winterberry holly	3' - 4' (5 gal)
AA	10	Aronia arbutifolia	Red chokeberry	3' - 4' (5 gal)
Seed Mix				
SWM	5 pounds	Special Wetland Mix (ERNMX137 or equiv.)	species list attached	

Wetland and Buffer Enhancement Notes
Carbone, Route 9A and Lake Street
Buchanan, NY
November 2, 2022

Notes:

- Nuisance and non-native vegetation will be removed, including phragmites, multi-floral rose, Japanese knotweed, porcelainberry and wisteria.
- Transitional area seed mix will be used as specified to supplement plantings at a rate of 4 pounds per acre. Four pounds of seed will be used for this site.
- The area chosen for the wetland expansion and buffer enhancement is the former paved parking lot in the eastern end of the site. NRCIS mapping shows Leicester soils (a hydric soil type) in this area beneath the asphalt, which is appropriate for wetland construction. The existing asphalt will be removed and either used as fill in the proposed development area or removed off site. The use of seed, shrubs and trees is intended to add additional filtering of overland runoff, diversity of native vegetation and create a vegetated boundary between the wetland and human activity.
- A total of 83 shrubs and 25 trees will be planted as per the plant list attached. Evergreens will be used along the southeastern property line to buffer between the existing school bus garage and the new wetland area.
- Stormwater infiltration practices will be installed to capture and retreat roof runoff from the proposed dwelling.

Planting Details

Plant choices for the wetland expansion were made according to existing site conditions and locally common species. All planting will proceed by hand. Materials will be brought to the site in good condition (see below) and then placed in central drop locations. The materials will then be hand-carried to their planting locations and in turn, planted by hand. Only rounded, shallow planting shovels will be used in this effort. All plant materials will be in containers.

Criteria for selecting plant material will include (1) the plant's ability to withstand the expected light and saturation conditions; (2) its demonstrated survival on this site and other nearby sites; (3) the plant must be native and non-invasive; and (4) whether the plant material is available at nurseries in the same region as the site. See the planting plan for complete plant species list. Seed mix was chosen based on the species' ability to survive in moist areas adjacent to the road with some sun.

Planting will be done in spring or early summer (between April 1 and July 1). Shrubs may also be planted in the late summer to early fall (September 1 to October 30). In all cases, a hole will be dug twice as deep as the root ball. The only shovels allowed are rounded, shallow shovels. The hole will then be backfilled with a thin layer of rich, organic topsoil, the plant placed inside, the hole backfilled to the top and then gently tamped down.

Container-grown plant material delivered to the job site will be inspected to assure moist soil/root masses. Any dry and light weight plants will not be accepted. If not planted immediately the container will be stored out of the sun and wind and kept moist (i.e., a means of watering will be provided and watering will occur daily). When removed from the containers, the plants will be the size of the specified container. If in leaf, the plants will appear healthy with no spots, leaf damage, discoloration, insects or fungus. If not in leaf, the buds will be firm and free of damage, discoloration, insects or fungus. Containers will be a minimum of quart size for shrubs and gallon size for trees.

Bare root plants will be shipped from the nursery immediately after lifting from the field and will be planted immediately upon arrival at the site. If they cannot be planted as soon as arriving at the site, they will be stored in the shade, protected from sun and wind, and kept moist by the use of straw, peat moss, compost, or other suitable materials. Plants not having an abundance of well developed terminal buds on the leaders and branches will be rejected. The stems and branches of all plants will be turgid and the cambium healthy or the plants rejected. Any bare root plants that are in leaf or have leaflets will be rejected.

Monitoring and Maintenance

At least one pre-construction meeting will occur between the chosen grading and/or planting contractor/subcontractor and the site environmental monitor prior to beginning construction on site. Monitoring and maintenance efforts for the mitigation plantings will take place over a three year period following construction. This will include bi-weekly visits for the first growing season, and then twice a year for the next two years, with additional inspections as required depending on conditions. The applicant's environmental monitor will conduct a survey of the site and site conditions will be noted and adjusted as necessary. An annual report will be provided to the regulating agencies at the end of the growing season for each of the three years.

Wetland Restoration/Enhancement Plan



October 28, 2022

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Sketch Plan
Townhomes/Retail
Albany Post Road
Village of Buchanan
Westchester County, NY
September 8, 2022
SHEET 1 OF 2 SHEETS