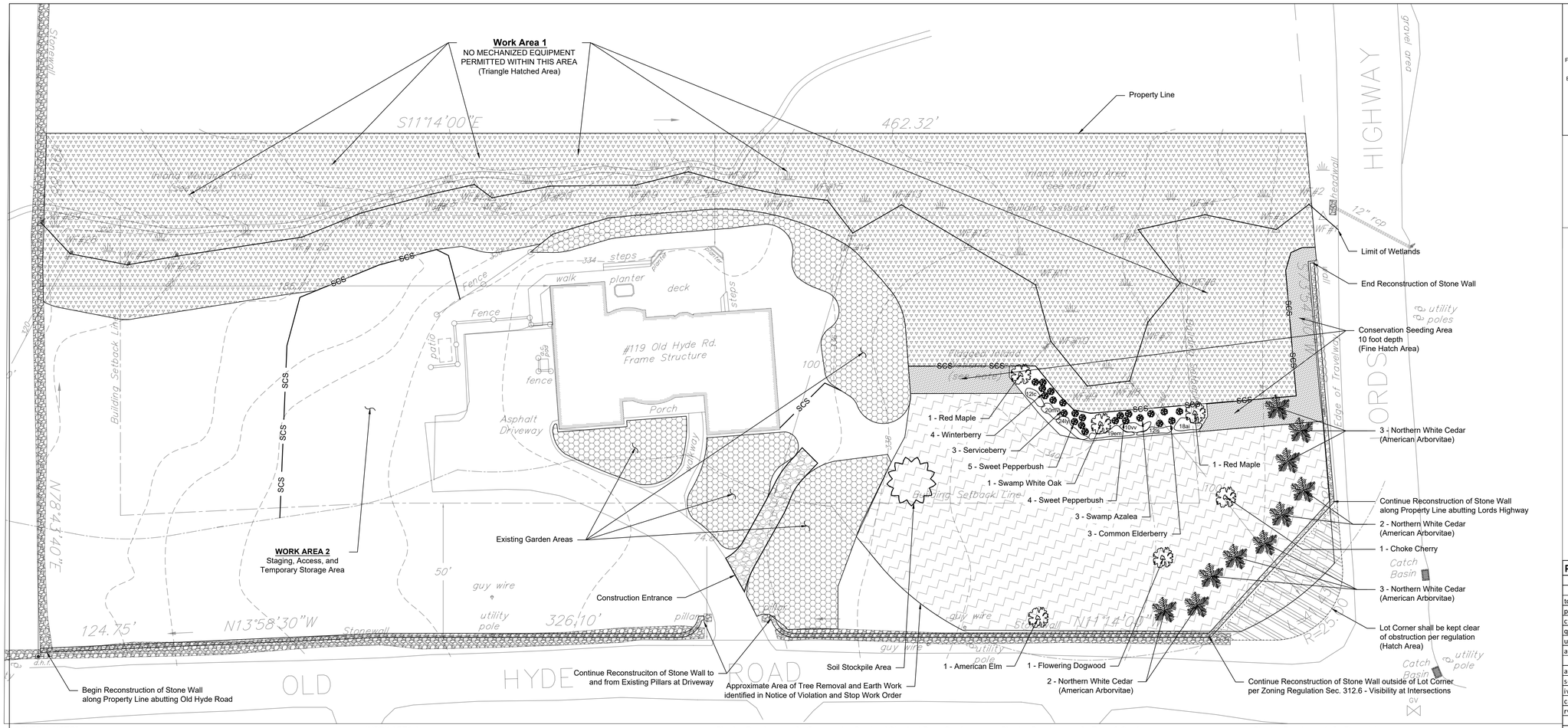
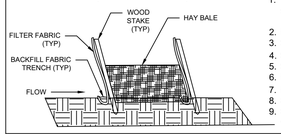
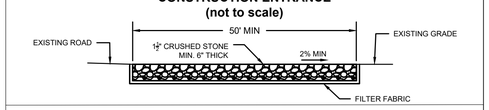


SEDIMENTATION CONTROL SYSTEM (NOT TO SCALE)

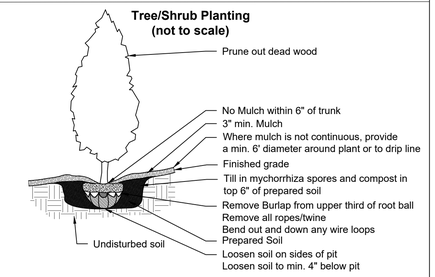


NOTES:
1. Proprietary products, i.e. "Silt Sock", may be substituted with approval of Weston Conservation Department.
2. Fence shall lean toward direction of flow.
3. Stake spacing shall be 10' max.
4. Stakes shall be min. $1\frac{1}{2}$"x$1\frac{1}{2}$" and 4' long.
5. Stake shall be driven min. 1' into ground.
6. Fabric shall be buried min. 6" into ground.
7. Fabric shall be a min. $2\frac{1}{2}$' in height.
8. Contractor shall inspect system after storm events.
9. Contractor shall clean sediment accumulation when 1/2 of height is filled with sediment.

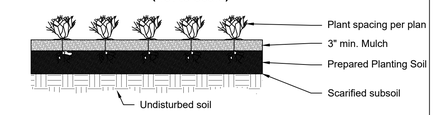
CONSTRUCTION ENTRANCE (not to scale)



Tree/Shrub Planting (not to scale)



Perennial Planting (not to scale)



PLANT LIST

Sym.	Qty.	Common Name	Latin Name	Size	Spacing
		TREES			
to	10	northern white cedar	*Thuja occidentalis*	6'-7' B&B	12' OC
pv	1	Choke Cherry	*Prunus virginiana*	2"-2.5" B&B	20' OC
cf	1	flowering dogwood	*Cornus florida*	2"-2.5" B&B	20' OC
qb	1	Oak (Swamp White)	*Quercus bicolor*	2"-2.5" B&B	40' OC
ua	1	American Elm	*Ulmus americana*	2"-2.5" B&B	35' OC
ar	2	Red Maple	*Acer rubrum*	#15	35' OC
		SHRUBS			
ac	3	serviceberry	*Amelanchier canadensis*	5'-6' B&B	6' OC
sc	3	common elderberry	*Sambucus canadensis*	#3	6' OC
iv	4	winterberry	*Ilex verticillata*	#3	4' OC
ca	9	Sweet Pepperbush	*Clethra alnifolia*	#5	4' OC
rv	3	Swamp Azalea	*Rhododendron viscosum*	#5	6' OC
		PERENNIALS			
ai	18	Swamp Milkweed	*Asclepias incarnata*	#1	2' OC
em	19	Joe pye weed	*Eupatorium maculatum*	#2	2' OC
ls	12	Great Blue Lobelia	*Lobelia siphilitica*	#1	2' OC
lc	12	Cardinal Flower	*Lobelia cardinalis*	#1	2' OC
ly	24	Fringed Loosestrife	*Lysimachia ciliata*	#1	1' OC
mv	20	Virginia Bluebells	*Mertensia virginica*	#1	1' OC
vv	10	Culver's-root	*Veronicastrum virginicum*	#1	3' OC

GENERAL NOTES:
1. All SURVEY DATA, BOUNDARY LINES, and TOPOGRAPHY are from a PLOT PLAN of 119 Old Hyde Road, Weston, Connecticut prepared for Mahirwan Bhagia and prepared by Leonard Surveyors, LLC, and dated 27 July 2023, last amended 15 August 2023.
2. All construction methods, materials, and installation shall be in accordance with all applicable Local, State, and Federal regulations.
3. It is the responsibility of the Contractor to review all plans and specifications associated with the scope of work prior to initiating construction. Should a conflict arise pertaining to the construction documents or applicable codes and local regulations, the Contractor shall notify the Engineer of Record in writing prior to the start of construction. Failure by the Contractor to notify the Engineer constitutes acceptance of full responsibility to carry out the scope of work in accordance with the construction documents, codes, and regulations.
4. The Contractor shall contact "Call Before You Dig" at 811 or 1-800-922-4455 to locate underground utilities on property and show service lines to building from public utilities.
5. Any site conditions substantially different from those represented in the plans and any unforeseen conditions shall be brought to the attention of the Engineer of Record prior to any construction activities.
6. All references to CT DOT shall conform to the State of Connecticut Department of Transportation Standard Specifications Form 817, including the most current supplemental specifications.
7. Any invasive plants within all areas of disturbance are to be removed by hand prior to installing new plants. Every effort shall be made to remove existing and new invasive plants prior to their seed formation. Follow local guidelines for the disposal of invasive plant material to prevent seeds from spreading/germinating or roots from reestablishing.
8. All areas of disturbance shall be stabilized with turf establishment on 6 inch min. topsoil, unless otherwise specified.
7. Continuously monitor and remove any weed/invasive growth from all areas of disturbance.
8. Plants shall conform to the "American Standard for Nursery Stock" (ANSI Z60.1-2014) of the American Association of Nurserymen.
9. Notify the Conservation Department at least 48 hours prior to the start of planting operations.
10. All plantings are to be installed by a qualified Landscape Contractor.
11. Replace any plants not in a good, healthy and flourishing condition for a period of one year from the date of acceptance. Contact Conservation Department after completion of planting.
12. The area shown as "Work Area 1" shall be an established "NO MOW AREA".

GENERAL CONSTRUCTION SEQUENCE:
1. Establish all erosion and sedimentation controls. Install the construction entrance.
2. Fell and remove trees & invasive vegetation; level stump holes as required.
3. Prepare planting areas; install trees/shrubs/perennials; place Conservation Seeding.
4. Install stone walls.
5. Remove construction entrance; place standard grass seed.
6. Remove E&S controls after site is stabilized

EXCAVATION AND FILL NOTES:
1. Clean Fill Certification shall be provided for all fill material deposited on this site if total fill is greater than 25 cubic yards.
2. Any introduced Soil shall be free of any hazardous or polluting substances including, without limitation, any oil or petroleum products or any chemical liquids or solids
3. Stumps excavated from the property shall not be buried on such property.
4. No stockpile of excavated material shall be within 50 feet of any property line or for longer than 60 days.
5. No hazardous or polluting substance may be buried.
6. Mechanical processing of excavated soil is prohibited.
7. There shall be no sharp declivities, pits, or depressions.
8. Proper surface drainage shall be maintained and groundwater shall not be polluted.
9. The premises shall be cleared of debris and temporary structures after completion of excavation and filling.

WORK AREA 1:
1. This area consists of the designated wetlands and a minimum 20 foot buffer area adjacent to the wetlands, except that a small portion of 10 foot buffer where buffer plantings are proposed and an existing established garden exists.
2. THERE SHALL BE NO MECHANIZED EQUIPMENT PERMITTED WITHIN THIS AREA.
3. The Contractor shall fell and remove ONLY those trees so marked and reviewed by the Conservation Commission during the site walk.
4. The Contractor shall remove additional trees already fallen by natural causes throughout the area.
5. The Contractor shall notify the Conservation Department prior to the start of any operations.
6. The Contractor shall fell and remove trees and debris so marked by hand. Mechanized equipment staged outside of the work area may be used to aid in the removal.
7. Every effort shall be made to minimize soil disturbance. All stumps shall be left in place to reduce soil disturbance.

WORK AREA 2:
1. This area consists of an area for the staging, temporary storage of debris, and access to the north end of Work Area 1.
2. Every effort shall be made to minimize soil disturbance.

WORK AREA 3:
1. This area consists of an area subject to the Notice of Violation and Stop Work Order as well as such additional area set between the existing garden areas, Work Area 1, and the property line along Old Hyde Road and Lords Highway.
2. The Contractor shall notify the Conservation Department prior to the start of any operations.
3. The Contractor shall fell ONLY those trees so marked and reviewed by the Conservation Commission during the site walk, clear all other debris, plant residue, and stumps.
4. The Contractor shall level any depressions left by removal of stumps with clean fill below a minimum 12" of loam topsoil and prepare area for seeding and planting as required.
5. The Contractor shall reconstruct the stone wall and install the proposed plantings.
6. The contractor shall seed the Conservation Seeding area with the Conservation Seed Mix and the remaining area shall be seeded with the Standard Grass Seed mix.
7. The contractor shall ensure and guarantee establishment of all grass and plantings for a minimum of one year in a good, healthy, and flourishing condition.

EROSION AND SEDIMENT CONTROL NOTES:
1. The Contractor shall adhere to the 2002 Connecticut Guidelines for Soil Erosion and Sedimentation Control.
2. All erosion and sediment control measures shall be installed prior to the start of contributing construction activities.
3. Sediment Control System (SCS) shall be installed along the toe of all critical cut and fill slopes.
4. SCS shall be inspected and maintained at least weekly, after any rain events greater than 0.1 inch, and daily during extended periods of rainfall. SCS shall be maintained to ensure it is in a functional condition at all times.
5. The Construction Entrance shall be installed prior to any earth work and shall be inspected and maintained regularly to ensure it is in a functional condition at all times.
6. Upon completion of the associated work, the Contractor shall immediately clear all areas of all forms, false work, piling, debris or other obstructions created or caused by construction operations.
7. In all cases, the Contractor shall implement stabilization measures as soon as possible after soil disturbance. Where construction activities have been permanently ceased or have temporarily been suspended for more than seven days, or when final grades are reached in any portion of the site, stabilization practices shall be implemented within three days. Areas that will remain disturbed but not in active construction for 30 days or more shall be stabilized within the first seven days of that period.
8. A minimum of 6 inches, after tamping, of top soil shall be placed to finished grade in all areas of turf establishment, unless otherwise specified.
9. All disturbed areas shall receive turf establishment. All slopes steeper than 4H:1V shall be furnished with an appropriate erosion control matting. All slopes steeper than 2H:1V shall be furnished with crushed stone.

Planting Requirements for Conservation Seed and Standard Grass Seed:
1. At a minimum, all disturbed area within 20 feet of wetland limit lines and 10 feet of the proposed fence shall receive "Conservation Seeding" unless specified to be mulched.
2. Conservation Seed Mix shall be locally obtained within the Northeast.
3. All amendments used in areas of "Conservation Seeding" shall be OMRI certified organic equivalents.
4. Contractor shall provide an accepted stand of established grasses by furnishing and placing seed on top soil made receptive for seeding by disking or other approved methods and be free of weeds.
5. Seeding shall not be permitted on hard or crusted soil surfaces.
6. Seeding shall take place in the Spring (March 15-June 30) or Fall (August 15-October 31); seeding may take place outside of these dates but shall be reseeded as necessary to establish an approved turf stand by the Contractor.
7. Seeding shall be at the recommended rate for the seed mix.
8. Fertilizer shall be 10-10-10 and applied at a rate of 320 lbs/acre during or preceding seeding unless otherwise specified.
9. Area shall receive straw mulch and be watered down.
10. After grass has attained a height of 6 inches, the specified area shall receive a uniform application of 10-10-10 fertilizer at a rate of 320 lbs/acre unless otherwise specified.
11. There shall be no vehicular or pedestrian traffic in the seeding area after seed is placed until establishment; the area shall be kept free from weeds and debris.
12. A uniform stand of established grass has attained a height of 6 inches consisting of no less than 60% coverage per square foot.
13. The area shall be mowed to a height of 3 inches when the grass has attained a height of 6 inches after establishment; however, the Conservation Seeding area shall only be mowed twice per year.
14. Depending on weather, newly seeded areas may require, and shall receive, frequent light waterings (once or twice daily) to keep area moist as needed. After germination, discontinue daily light watering and water established seedlings deeply at appropriate intervals to avoid the soil drying out. Once established, water deeply once per week unless rainfall for the week is greater than 1 inch.

Planting Requirements for Trees & Shrubs:
1. CHECK FOR UNDERGROUND WIRES; CALL BEFORE YOU DIG (dial 811 or 1-800-922-4455).
2. Dig hole 2-3 times as wide as the root ball but only as deep to ensure root flare is above finished grade.
3. If excavated soil is compacted or has noticeable clay content (by Ribboning >1.5" or Jar Sedimentation Test >30%), then add organic compost to excavated soil to bring organic content to 5% dry weight minimum.
4. If excavated soil has poor quality or heavy clay content (by Ribboning >3" or Jar Sedimentation Test >50%), then remove existing soil to an additional depth of 12 inches and add loam topsoil with 5% minimum organic content.
5. If soil test suggests additional soil amendments, mix them into the excavated soil prior to backfilling.
6. Break up sides of hole to loosen soil and loosen soil to a depth of ~4" in bottom of hole.
7. Place plant in hole, check that trunk is straight, ensure root flare is exposed, and check that it will be at or slightly above finished grade after backfilling.
8. Remove any ropes/twine and remove top third of burlap. If root ball is caged, bend wire loops back and down a minimum 6" below finished grade.
9. Backfill halfway with prepared soil and water in to ensure soil settles and eliminates any air pockets.
10. Straighten tree/shrub by moving the ball and not grabbing the trunk or branches then gently compact the soil.
11. Finish backfilling while adding micorrhiza spores and 3" of compost into hole, incorporating into top 6" of prepared soil.
12. Water in and gently compact soil again.
13. Mulch 3" minimum over soil within 3' of plant, but keeping mulch 6" away from the trunk.
14. Water slowly and deeply every day for the first week, every 2-3 days for the next 12 weeks, and every 5-7 days until the roots are established, unless rainfall for the week is greater than 1 inch.

Planting Requirements for Perennials:
1. CHECK FOR UNDERGROUND WIRES. CALL BEFORE YOU DIG (dial 811 or 1-800-922-4455).
2. Prepare planting soil with 3 parts topsoil, 1 part sand, 1 part peat moss, 5 lbs/cy bone meal, and 3 lbs/cy 5-10-5 fertilizer.
3. Place 3" mulch before planting
4. Plant perennials at locations and spacing indicated on plans.
5. Water in plants to ensure soil settles and eliminates any air pockets.
6. For the first 12 weeks, water deeply every 2-3 days unless rainfall for the week is greater than 1 inch.
7. For the remainder of the growing season, water deeply once per week unless rainfall for the week is greater than 1 inch.

Conservation Seed Mix*:
- 20% - Big Bluestem
- 20% - Little Bluestem
- 20% - Switchgrass
- 10% - Fox Sedge
- 8% - Silky Wild Rye
- 5% - Common Milkweed
- 5% - Deertongue
- 5% - Pennsylvania Smartweed
- 4% - Partridge Pea
- 1.5% - Silky Smooth Aster
- 1.0% - Notting Bur-Marigold
- 0.5% - Flat-Top Aster

100% - TOTAL
*Proposed mix may vary and shall be approved by the Conservation Department prior to use

Standard Grass Seed Mix*:
- 25% - Kentucky Bluegrass
- 35% - Fine Fescues
- 40% - Perennial Ryegrass

100% - TOTAL
*Proposed mix may vary and shall be approved by the Conservation Department prior to use

No.	Date	Revision Description

PLOT DATE: 9/11/2023

LEGEND

- 315 — Existing Contour
- 315 — Proposed Contour
- SCS — Silt Fence (SCS)
- Construction Entrance
- Stone/Retaining Wall
- Stockpile Area
- Deep Test Hole
- Perc. Test Hole
- E — U/G Electric Line
- GAS — U/G Gas Line
- W — U/G Water Line

PROJECT TITLE:
SITE PLAN
for
WORK IN REGULATED AREA

Prepared for:
Mahirwan Bhagia

LOCATION:
119 Old Hyde Road
Weston, Connecticut

DATE: 9/11/2023

SCALE: 1" = 30'

DESIGNER: JMG

DWG No.: 1 of 1

0' 30' 60' 90'

FORCE ENGINEERING, LLC
65 Kellers Farm Road
Easton, CT 06612
860-705-8271
www.ForceDEB.com

EMBOSSED SEAL

STATE OF CONNECTICUT · AUSTIN M. GUERRICO · LICENSED PROFESSIONAL ENGINEER · No. PEN.0031422

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