RAIN GARDEN PLANT LIST

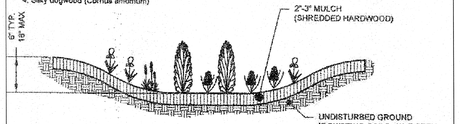
PERENNIALS
A. Swamp milkweed (Asclepias incarnata)
B. New York aster (Aster novae-belgii)
C. Astilbe (Astilbe spp.)
D. Tickseed sunf ower (Bidens aristosa)
E. Joe Pye weed (Eupatorium fi stulosum)
F. Rose mallow (Hibiscus moscheutos)
G. Iris (Iris versicolor)
H. Cardinal flower (Lobelia cardinalis)
I. Spiked gay feather (Liatris spicata)
J. Sensitive fern (Onoclea sensibilis)
K. Cinnamon fern (Osmunda cinnamomea)
L. Royal fern (Osmunda regalis)
M. Marsh fern (Thelypteris palustris)
N. Spiderwort (Tradescantia virginiana)
O. Black-Eyed Susan (Rudbeckia birta)

GRASSES
P. Creeping bentgrass (Agrostis stolonifera)
Q. Meadow foxtail (Alopecurus pratensis)
R. Blue joint (Calamagrostis Canadensis)
S. Tussock sedge (Carex stricta)
T. Tufted hair grass (Deschampsia caespitosa)
U. Switch grass (Panicum virgatum)
V. Ribbon grass (Phalaris arundinacea)

SHRUBS
1. Red chokeberry (Aronia arbutifolia)
2. Buttonbush (Cephalanthus occidentalis)
3. Summersweet clethra (Clethra alnifolia)
4. Silky dogwood (Cornus amomum)
5. Gray dogwood (Cornus racemosum)
6. Red osier dogwood (Cornus sericea)

SHRUBS
7. Inkberry (Ilex glabra)
8. Winterberry (Ilex verticillata)
9. Spicebush (Lindera aestivale benzoin)
10. Pinxterbloom azalea (Rhododendron periclymenoides)
11. Swamp azalea (Rhododendron viscosum)
12. Elderberry (Sambucus Canadensis)
13. Lowbush blueberry (Vaccinium angustifolium)
14. Highbush blueberry (Vaccinium corymbosum)
15. Withe-rod (Viburnum cassinoides)
16. Arrowwood (Viburnum dentatum)
17. Nannyberry (Viburnum lentago)
18. Black haw (Viburnum prunifolium)
19. American cranberry (Viburnum trilobum)

TREES
20. River birch (Betula negra)
21. Red maple (Acer rubrum)
22. Sweetgum (Liquidambar styraciflua)
23. Swamp white oak (Quercus bicolor)
24. Pin oak (Quercus palustris)
25. Larch (Larix laricina)
26. Cottonwood (Populus deltoides)
27. Shadblow (Amelanchier spp.)
28. Green ash (Fraxinus pennsylvanica)



NOTES: DETAIL BASED ON INFORMATION PROVIDED IN UCONN COOPERATIVE EXTENSION SYSTEM, RAIN GARDENS A DESIGN GUIDE FOR HOMEOWNERS IN CONNECTICUT.

RAIN GARDEN DETAIL
N.T.S.

Survey Notes:

1. This map has been prepared within the "Minimum Standards For Surveys and Maps in the State of Connecticut" as adopted for use by the regulations of Connecticut state agencies on September 26, 1996. (CT Sections 20-300b-20).

   -Type Of Survey: Property Survey
   -Boundary Determination Category: Dependant Resurvey
   -Horizontal Accuracy Class: A-2

   -Topographic Survey: Class T-2

2. Map References

A. "SECTION I SUBDIVISION PLAN OF LA PIENE ESTATES PREPARED FOR NORMAN A. LA PIENE, EAST HAMPTON, CONN.", Dated: January 8, 1975, Scale: 1"=40', Revised: January 29, 1975 Drainage Easements, Revised February 24, 1975 Drainage Designations, Revised March 4, 1975 Correction of ouners names, Corrected plan June 23, 1975, James E. Mislick, Registered Professional Engineer, Ferdinand A. Cawacka Land Surveyor.

B. "PLOT PLAN LOT No.3 FRANK B. ADAMS WATERHOLE ROAD, EAST HAMPTON, CONNECTICUT", Scale: 1"=40', Dated: May 9, 1985, Rev. June 4, 1985, Rev. June 17, 1985, Rev. July 9, 1985, Prepared By: Dutch & Associates Civil Engineers & Land Surveyors.

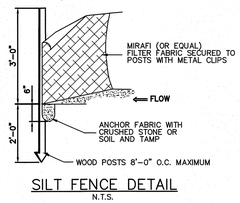
3. Bearings are based upon NAD 83 coordinates.

4. Elevations are based upon NAVD 88 elevations.

5. Physical Evidence of Underground Utilities as Located In Field. All Underground Utilities Not Shown.

LEGEND

EX. PROPERTY LINE
EX. EASEMENT LINE
EX. PINS/MONS
EX. E.O.P.
EX. WETLANDS
EX. WETLANDS BUFFER
EX. CONTOUR 100
EX. STREAM
EX. CHAIN LINK FENCE
EX. GUARD RAIL
EX. SANITARY SEWER
EX. STORM SEWER
EX. UTILITY POLE
EX. LIGHT POLE (SINGLE)
EX. SANITARY CLEAN OUT
EX. BOLLARD
EX. GAS VALVE
EX. WATER VALVE
EX. TREELINE
EX. TREE
PROPOSED FLOW DIRECTION



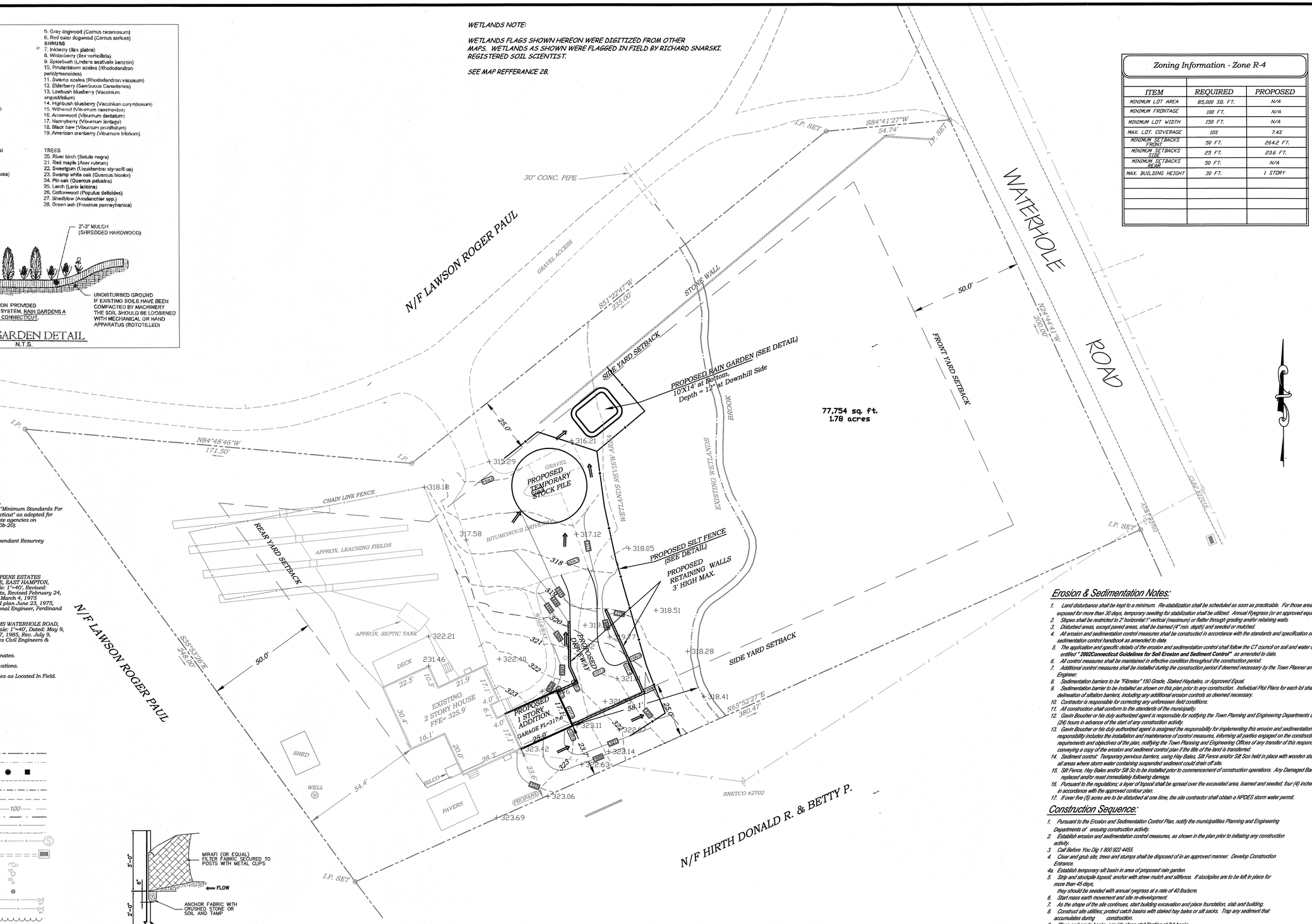
SILT FENCE DETAIL
N.T.S.

THESE DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE OF JONES ENGINEERING LLC, AND HAVE BEEN PREPARED SPECIFICALLY FOR THE OWNER OF THIS PROJECT AT THIS SITE, AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION OR OWNER WITHOUT WRITTEN CONSENT OF JONES ENGINEERING LLC.

WETLANDS NOTE:

WETLANDS FLAGS SHOWN HEREON WERE DIGITIZED FROM OTHER MAPS. WETLANDS AS SHOWN WERE FLAGGED IN FIELD BY RICHARD SNARSKI. REGISTERED SOIL SCIENTIST.

SEE MAP REFFERANCE 2B.



GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

Zoning Information - Zone R-4

ITEM	REQUIRED	PROPOSED
MINIMUM LOT AREA	85,000 SQ. FT.	N/A
MINIMUM FRONTAGE	100 FT.	N/A
MINIMUM LOT WIDTH	150 FT.	N/A
MAX. LOT. COVERAGE	10%	7.4%
MINIMUM SETBACKS FRONT	50 FT.	264.2 FT.
MINIMUM SETBACKS SIDE	25 FT.	23.6 FT.
MINIMUM SETBACKS REAR	50 FT.	N/A
MAX. BUILDING HEIGHT	30 FT.	1 STORY

Erosion & Sedimentation Notes:

1. Land disturbance shall be kept to a minimum. Re-stabilization shall be scheduled as soon as practicable. For those areas which are left exposed for more than 30 days, temporary seeding for stabilization shall be utilized. Annual Ryegrass (or an approved equal) may be utilized.
2. Slopes shall be restricted to 2" horizontal:1" vertical (maximum) or flatter through grading and/or retaining walls.
3. Disturbed areas, except paved areas, shall be loamed (4" min. depth) and seeded or mulched.
4. All erosion and sedimentation control measures shall be constructed in accordance with the standards and specification of the erosion and sedimentation control handbook as amended to date.
5. The application and specific details of the erosion and sedimentation control shall follow the CT council on soil and water conservation manual entitled " **2002Connecticut Guidelines for Soil Erosion and Sediment Control**" as amended to date.
6. All control measures shall be maintained in effective condition throughout the construction period.
7. Additional control measures shall be installed during the construction period if deemed necessary by the Town Planner and/or the Town Engineer.
8. Sedimentation barriers to be "Filtrelex" 150 Grade, Staked Haybales, or Approved Equal.
9. Sedimentation barrier to be installed as shown on this plan prior to any construction. Individual Plot Plans for each lot shall contain detailed delineation of siltation barriers, including any additional erosion controls as deemed necessary.
10. Contractor is responsible for correcting any unforeseen field conditions.
11. All construction shall conform to the standards of the municipality.
12. Gavin Boucher or his duly authorized agent is responsible for notifying the Town Planning and Engineering Departments at least Twenty Four (24) hours in advance of the start of any construction activity.
13. Gavin Boucher or his duly authorized agent is assigned the responsibility for implementing this erosion and sedimentation control plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the Town Planning and Engineering Offices of any transfer of this responsibility, and for conveying a copy of the erosion and sediment control plan if the title of the land is transferred.
14. Sediment control: Temporary pervious barriers, using Hay Bales, Silt Fence and/or Silt Sox held in place with wooden stakes shall be used at all areas where storm water containing suspended sediment could drain off site.
15. Silt Fence, Hay Bales and/or Silt So to be installed prior to commencement of construction operations. Any Damaged Barriers shall be replaced and/or reset immediately following damage.
16. Pursuant to the regulations: a layer of topsoil shall be spread over the excavated area, loamed and seeded, four (4) inches minimum in depth in accordance with the approved contour plan.
17. If over five (5) acres are to be disturbed at one time, the site contractor shall obtain a NPDES storm water permit.

Construction Sequence:

1. Pursuant to the Erosion and Sedimentation Control Plan, notify the municipalities Planning and Engineering Departments of ensuing construction activity.
2. Establish erosion and sedimentation control measures, as shown in the plan prior to initiating any construction activity.
3. Call Before You Dig 1 800 922 4455.
4. Clear and grub site, trees and stumps shall be disposed of in an approved manner. Develop Construction Entrance.
4a. Establish temporary silt basin in area of proposed rain garden.
5. Strip and stockpile topsoil; anchor with straw mulch and silfence. If stockpiles are to be left in place for more than 45 days, they should be seeded with annual ryegrass at a rate of 40 lbs/acre.
6. Start mass earth movement and site re-development.
7. As the shape of the site continues, start building excavation and place foundation, slab and building.
8. Construct site utilities; protect catch basins with staked hay bales or silt sacks. Trap any sediment that accumulates during construction.
9. Place and grade banks, provide slope stabilization at 2:1 banks.
10. Rock cut to be established at 1:5 slope max.
11. Finish grade and place gravel base for paved area.
12. Remove silt from tempory silt basin and establish rain garden remove sediment and dispose of offsite in an environmentally acceptable manner.
13. After disturbed areas have had vegetation re-established on them, siltation barriers shall be removed.

FILE NUMBER	SHEET NUMBER
220045	1 of 1

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
NOT VALID UNLESS EMBOSSED SEAL IS AFFIXED HEREON.
James E. Jones
JAMES E. JONES CT. LS REG. NO. 12329 DATE

ENGINEER'S SEAL
NOT VALID UNLESS EMBOSSED SEAL IS AFFIXED HEREON.
Frank J Cahill
FRANK J CAHILL

REVISIONS:
DATE:
DATE:
DATE:
DATE:
DATE:
DATE:
DATE:
DATE:

JONES ENGINEERING LLC
CIVIL ENGINEERING & LAND SURVEYING
92 NORTH SUMMITT ST, SUITE 2A PHONE: (860) 621-0700
P.O. BOX 249 FAX: (860) 621-0606
SOUTHINGTON, CT 06489

SCALE: 1"=20'
DATE: 05/21/2020
DRAWN BY: CRJ
CHECKED BY: JEJ

ZONING LOCATION SURVEY
PREPARED FOR
ROCCO & CATERINA NOZZOLINI
59 WATERHOLE ROAD
EAST HAMPTON, CONNECTICUT

JONES ENGINEERING LLC