Township of Woodbridge Green Grounds & Maintenance Policy Current Examples

Mission Statement

The Township of Woodbridge is dedicated to the concept of utilizing the policies of Green Grounds and Maintenance as one of its best management practices.

Goals and Responsibilities

To achieve environmentally sound and efficient results in the area of maintaining and designing municipal buildings and property.

Objectives

The Township of Woodbridge's Department of Public Works and Parks hereby formally supports the following practices to achieve the results stated in its Mission Statement.

Integrated Pest Management

- use only organic fertilizers and pesticides
- adhere to a frequent timely schedule for mowing and grounds maintenance
- adhere to a seeding and aeration program in the Spring and Fall
- provide timely collection of trash at municipal parks and buildings
- keep tree branches and shrubbery well maintained and away from buildings
- ensure roofs are repaired in a timely manner as to not attract insects to deteriorating wood

> Current Examples:

- New Garbage Can Cleaning Curbside Service Utilizes environmentally friendly and fully self-contained practices. Carts are cleaned, disinfected & deodorized right at the curb.
- No-mow seeding and conservation restoration efforts within specific Township maintained areas where native trees, shrubs, and wildflowers have been installed promote both rain-scaping and xeriscaping mechanisms.
- O Questionably unsafe tree limbs and shrubbery are maintained. A professional Forester has worked with the Township to best identify possible unsafe vegetation, which then is removed after said assessment. Re-planting in said locations is then arranged/ implemented to ensure healthy re-vegetation.

Minimize Water Consumption

- encourage collection and use of rainwater for non-potable water applications
- consider reusing stormwater or graywater for sewage conveyance or on-site wastewater treatment systems
- for interior building construction, encourage high-efficiency fixtures and dry fixtures such as reuse of toilet systems and using waterless urinals to reduce wastewater volumes
- promote options for on-site wastewater treatment such as packaged biological

nutrient removal systems, constructed wetlands and high efficiency filtration systems

- encourage "rainscaping" design to minimize surface runoff
- encourage "xeriscaping" to incorporate native and low maintenance plantings
- maintain natural aquifer conditions
- promote consideration of water issues during planning
- implement a citizen education campaign highlighting importance of water issues, using mass media, area schools, and include partnerships with groups like the Environmental Commission and Woodbridge River Watch.

Efficient Landscape Design

- minimize the use of water and pesticides
- encourage "rainscaping" design to minimize surface runoff
- encourage "xeriscaping" to incorporate native and low maintenance plantings
- ensure all municipal grounds are aesthetically pleasing
- ensure municipal parks make efficient use of all available space
- educate residents of the benefits and encourage the concept of Efficient Landscape and Design to be utilized by private citizens

Current Examples:

- O The Township of Woodbridge, in conjunction with the Rutgers Cooperative Extension (RCE), is formulating a potential plan to implement the first 'Green Street' in the Township on Marsh Street in Sewaren. A 'Green Street' or 'Complete Street' includes a holistic approach to design a roadway with convenient and comfortable access for all users while improving the aesthetics, ecology, safety, and stormwater management of the roadway.
- No-mow seeding and conservation restoration efforts within specific Township maintained areas where native trees, shrubs, and wildflowers have been installed promote both rain-scaping and xeriscaping mechanisms.
- Engineering plans have been completed for forested wetland installation within a vulnerable floodplain to best promote flood storage and ecosystem services.
- Tremendous effort has been placed on education campaigns focusing on residential water conservation measures both outdoors and indoors.

Recycled Materials and Composting

- re-use composted and collected recycled material for municipal landscaping applications
- encourage resident recycling of "green" materials such as grass clippings and "brown" materials such as tree leaves
 - ➤ Current Examples (some 2019 data not available as of yet due to COVID-19; however, June 2018 is within the 2.5 year look back-period for the action):
 - Bulky rigid plastics- Woodbridge has a 30 yd container in the Convenience Center for collecting it. We also offer FREE curbside pick-up. 95.10 tons was recycled in 2018

- Plastic Bags/Shrink Wrap- Woodbridge has drop off containers at the Recycling Center, Town Hall, Community Center (new), Sycamore, Evergreen, & DPW building. We send bags/film to TREX and received a bench made from TREX material every year. In 2018 we collected 1.48 tons.
- Plastics #3-7- These are picked up with our curbside recycling, we take all plastics #1-#7.
- Textiles- Woodbridge has drop off clothing bins at the Recycling Center.
 There are also bins at the local libraries, schools, and churches. From these locations we took in 560.55 tons. This does not include clothing drives.
- Cooking Oil- Woodbridge has a container for residents to drop off their cooking oil at the Recycling Center. We also supply free containers for them to bring their cooking oil in (courtesy of Middlesex County Recycling).
- O Woodbridge Township, Division of Recycling has started a monofilament (fishing line) recycling program at the Sewaren Boat Launch and the Woodbridge Township Marina. Fishermen are encouraged to put their unwanted fishing line into the labeled white pvc, monofilament recycling container. These containers will be serviced by the Division of Recycling. The monofilament line will be collected, sent to a recycler, melted down into plastic pellets, and then made into other plastic products. Fishing line that is discarded in our waterways and on land, is responsible for many wildlife deaths due to entanglement, and for fouling boat propellers. Fishing line that is thrown out in the garbage can end up in the environment; either by blowing out of garbage cans or a landfill, or by being taken out by birds or animals. Monofilament line can last hundreds of years. By using these recycling containers and collecting and recycling the fishing line, we can make sure that it is removed from the environment.
- o Food waste recycling has been implemented and 75.07 tons was recycled in 2019.

Action Plan

Woodbridge Township is dedicated to its Green Grounds and Maintenance Policy. The Department of Public Works and Parks shall oversee that the policy is carried out and will promote the practices and goals set therein.

> Current Examples: This action plan remains in place.



Cart Cleaning Program



Keeping Your Trash & Recycling

Carts Clean

The township has started a curbside cart

cleaning program

* Cart cleaning system is 100%

environmentally friendly and fully

self-contained.

* Carts will be cleaned, disinfected &

deodorized right at the curb.

* Carts will be cleaned throughout the township

on a rotating basis.

* You can also call Sanitation at 732-738-1311

ext. 3600 to have your carts cleaned

11.072707	1.67067	2000001	Gialid Total
202026 11	72072 1	250052 01	Crand Total
2966.67		2966.67	Wood Scraps (30)
7517.14	539.36	6977.78	White Goods & Light Iron (11)
867.68	32.78	834.9	Used Motor Oil (16)
1754.43	36.13	1718.3	Tires (15)
560.55	560.38	0.17	Textiles (29)
28.07	27.75	0.32	Stumps (20)
783.15	248.15	535	Steel Containers (07)
2191.55	371.05	1820.5	Plastic Containers (08)
110.01	109.78	0.23	Paints & Stain (24)
326.41	96.58	229.83	Other Plastic (26)
3242.26	2492.91	749.35	Other Paper/Mag/JunkMail (04)
1700.28	17	1683.28	Other Material Not Listed (24)
0.46		0.46	Other Glass (25)
28757.12		28757.12	Oil Contaminated Soil (27)
142.89	1.22	141.67	NonFerrous/Aluminum Scrap (10)
3804.09	2968.42	835.67	Newspaper (03)
6683.95	1002.13	5681.82	Mixed Office Paper (02)
2491.18	2177.58	313.6	Leaves (19)
28328.43	805.73	27522.7	Heavy Iron (09)
2575.86	1731.58	844.28	Glass Containers (05)
1338.57	0.38	1338.19	Food Waste (23)
2.88	0.44	2.44	Fluorescent Lights (24)
19335.22	3556.71	15778.51	Corrugated (01)
233.03	139.21	93.82	Consumer Electronics (21)
155581.98	4161.84	151420.14	Concrete / Asphalt / Brick / Block (22)
3012.17	1845.03	1167.14	Brush/Tree Parts (17)
5.94	0.54	5.4	Batteries (Dry Cell) (24)
363.33	1.18	362.15	Batteries (Automobile) (13)
7931.56	19.96	7911.6	Automobile Scrap (14)
21.18	5.6	15.58	Anti-freeze (12)
268.07	123.68	144.39	Aluminum Containers (06)
Grand Total	Residential Grand Total	Commercial	Row Labels
		Column Labels	Sum of Tonnage

Note: Other Plastic is both rigid and plastic bags Plastic Bays/Film Tonnage is 1.48 ton Bulky Rigid is 95.10 ton

Food Waste is from the Cooking Oil Program

In 2019 Food Waste collected from Township Schools was This will be on the 2019 Recycling Tonnage which has not

WATSON-CRAMPTON FORESTED WETLAND RESTORATION

TOWNSHIP OF WOODBRIDGE MIDDLESEX COUNTY, NEW JERSEY

BLOCK 563.16, LOT 121,124,127,129,131,143,145 BLOCK 563.17, LOT 157,179,181,183,185,187 BLOCK 563.18, LOT 194,198,201,203,206,209 BLOCK 563.33, LOT 1

PROJECT DESCRIPTION:

THIS PROJECT PROPOSES CONSTRUCTION OF A WETLAND DESIGNED TO CONVEY STORM WATER FROM ADJACENT DEVELOPED AREA TO THE WOODBRIDGE RIVER. THE WETLAND DESIGN REDIRECTS FLOW FROM THREE EXISTING SWALES THROUGH A SERIES OF VEGETATED DEPRESSIONS AND OPEN POOLS, WHERE WATER WILL BE TEMPORARILY STORED AND FILTERED. THE DESIGN INCREASES THE FLOOD STORAGE POTENTIAL OF THE EXISTING LANDSCAPE USING NATURAL ECOLOGICAL FEATURES AND REESTABLISHES NATIVE WETLAND VEGETATION APPROPRIATE TO THE REGION AND THE EXPECTED SITE CONDITIONS.

LIST OF DRAWINGS:

SHEET NAME	TITLE
COVER	COVER SHEET
P-1	EXISTING CONDITIONS AND DEMOLITION PLAN
P-2	PROPOSED SITE PLAN
P-3	WETLAND ZONE DIAGRAM
P-4	PLANTING PLAN
DT-1	PLANTING DETAILS

LOCATION MAP:



LEGEND:

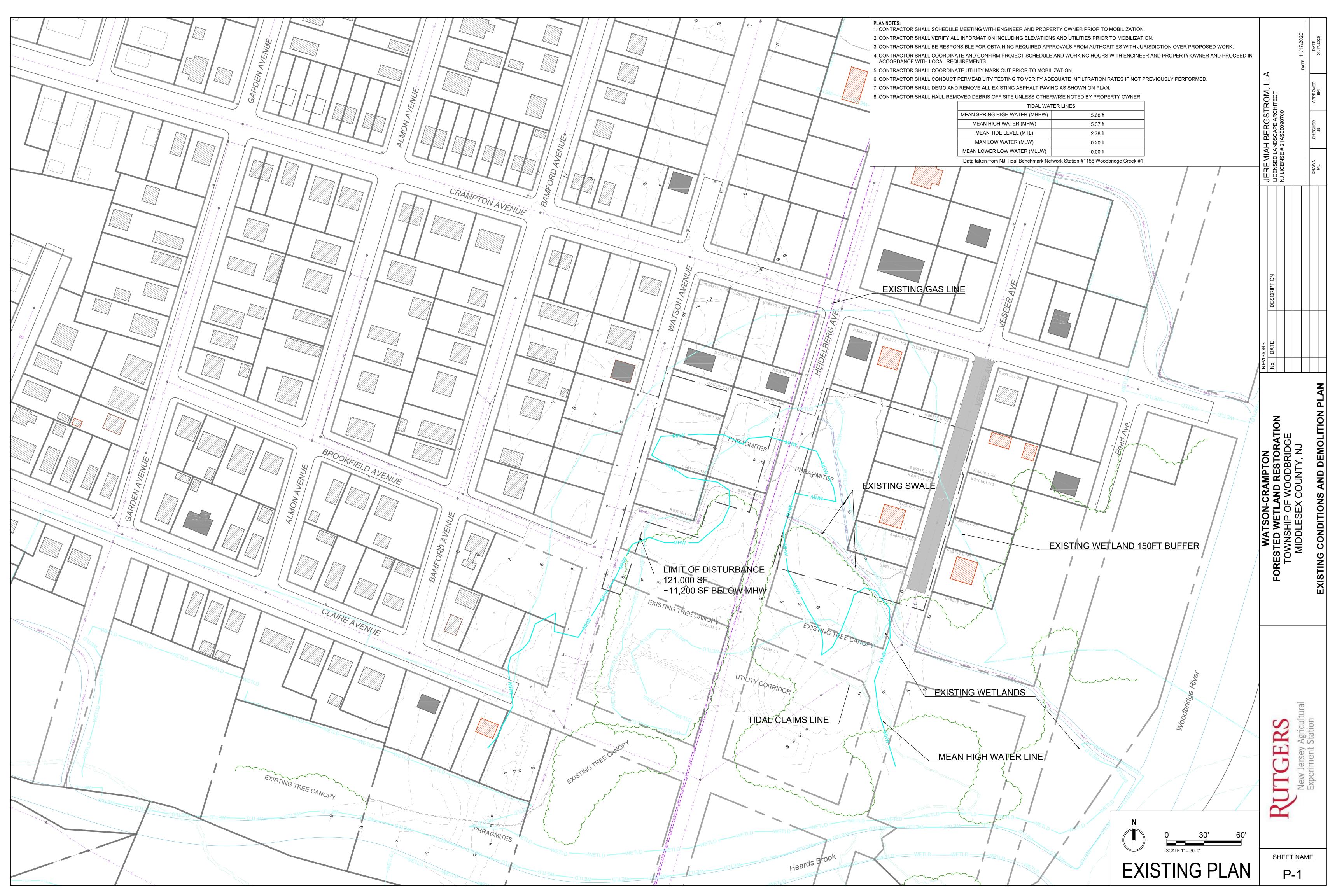
EXISTING DRAINAGE AREA
——— EDGE OF PAVEMENT
EXISTING CENTERLINE
EXISTING FENCE
EXISTING TREELINE
EXISTING TREE
EXISTING BUILDING
⊕ EXISTING UTILITY POLE
EXISTING CATCH BASIN
EXISTING CONTOURS
PROPERTY LINES
—·—·— LIMIT OF WORK
AREA TO BE DEPAVED
PROPOSED CONTOURS

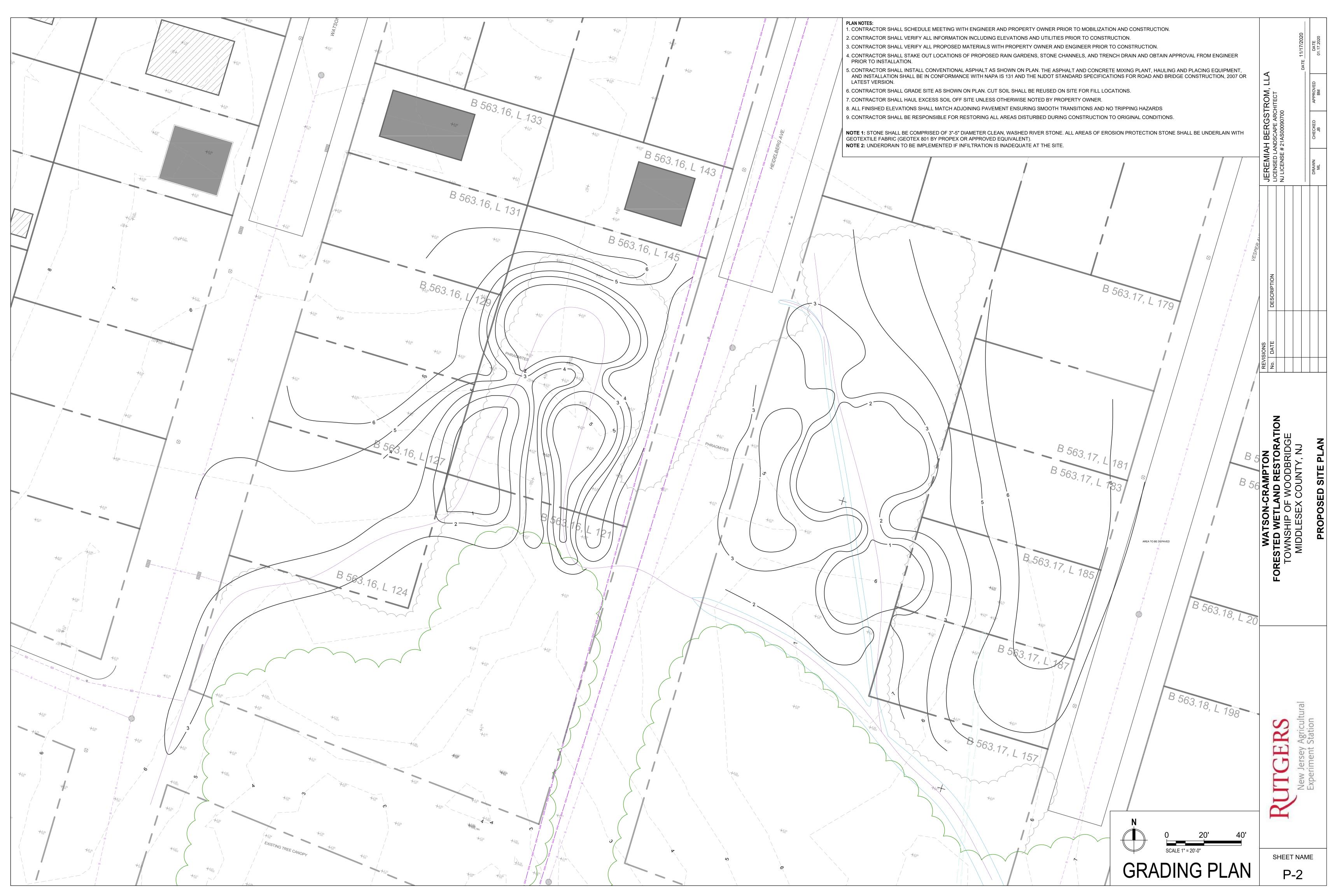
GENERAL NOTES:

SURVEY CONDUCTED BY RUTGERS COOPERATIVE EXTENSION WATER RESOURCES PROGRAM. SURVEY ELEVATIONS WERE ADJUSTED TO NAVD88.



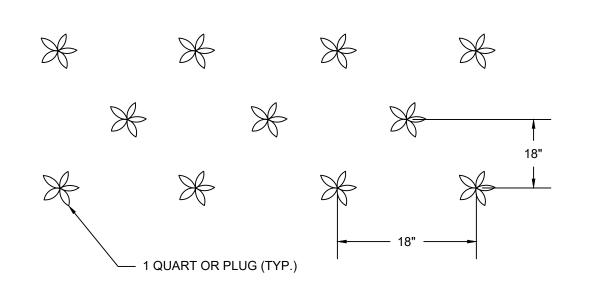
SHEET NAME COVER

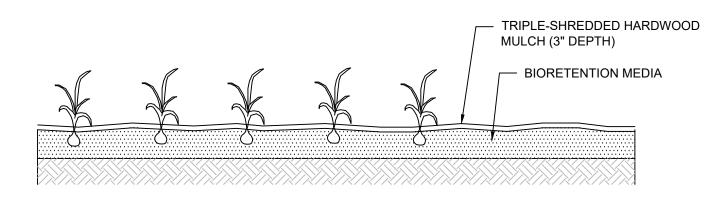




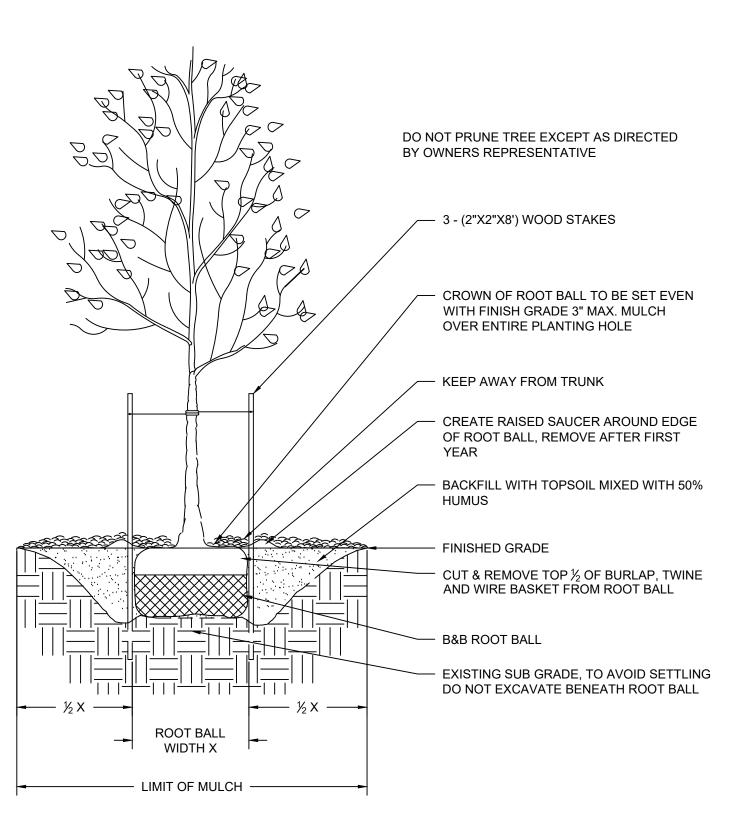












1. DO NOT DAMAGE MAIN ROOTS OR ROOT BALL WHEN INSTALLING TREE STAKE.

2. WATER THOROUGHLY AFTER INSTALLATION. REMOVE SAUCER AND STAKES TWO YEARS OR LESS AFTER INSTALLATION.

4. CONTRACTOR IS NOT TO USE TREE WRAP.

TREE PLANTING DETAIL

OPEN LAWN AND TURF AREAS

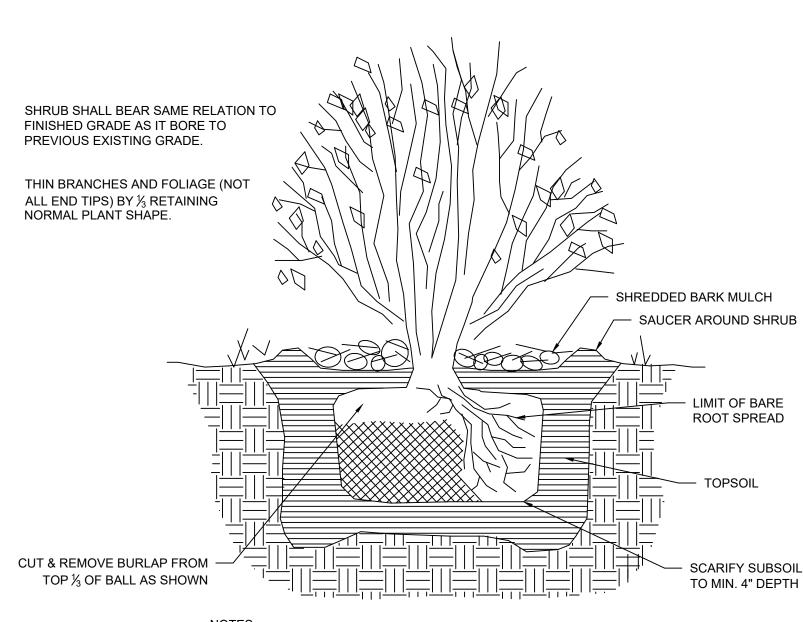
1. SEED ALL REMAINING PARK AREAS WITH TURF TYPE FALL FESCUE AND PERENNIAL RYEGRASS BLEND (LOFTS - SUMMER STRESS MIX II OR APPROVED EQUIVALENT). INSTALL AT A RATE OF 350 LBS. PER ACRE PER MANUFACTURERS SPECIFICATIONS.

TOPSOILING, SEEDING AND MULCHING NOTES

- 1. ANY UNDISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WHICH WILL REMAIN EXPOSED FOR MORE THAN 10 DAYS MUST BE SEEDED AND MULCHED IMMEDIATELY. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE REQUIRED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR SHALL BE SEEDED AND MULCHED WITH A QUICK GROWING TEMPORARY SEEDING MIXTURE AND MULCH. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN 1 YEAR MUST BE SEEDED AND MULCHED WITH A PERMANENT SEED MIXTURE AND MULCH.
- 2. DIVERSIONS, CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE SEEDED AND MULCHED IMMEDIATELY.
- 3. GRADED AREAS SHALL BE TEMPORARILY SEEDED AND MULCHED IMMEDIATELY FOLLOWING EARTH MOVING PROCEDURES. TEMPORARY SEED SHALL BE ANNUAL RYE GRASS APPLIED AT A RATE OF 3 LBS. PER 1000 SQ. FT.
- 4. AFTER SEEDING, HAY OR STRAW MULCH MUST BE APPLIED AT A RATE OF AT LEAST 3.0 TONS PER ACRE. MULCH SHALL BE ANCHORED BY EITHER CRIMPING WITH A COULTER IMPLEMENT, OR BY STAPLING BIODEGRADABLE NETTING TO THE SURFACE.
- 5. SITE PREPARATION TO UPLAND AREAS: APPLY 1 TON OF AGRICULTURAL-GRADE LIMESTONE PER ACRE PLUS 10-20-10 FERTILIZER AT THE RATE OF 500 LB. PER ACRE. WORK IN WHERE POSSIBLE. SEEDING OF DISTURBED UPLAND AREAS (BEYOND LIMITS OF RIPARIAN ENHANCEMENT AREA) TO BE DONE USING MIX OF FINE FESCUE AT 35 LBS/ACRE (PURE LIVE SEED) PLUS PERENNIAL RYEGRASS AT 15 LBS/ACRE (PURE LIVE
- 6. TOPSOIL SHALL BE A CLEAN FRIABLE LOAM WITH SUFFICIENT ORGANIC CONTENT (2.75%) TO PROMOTE PLANT VIGOR. AMENDMENTS SHALL BE ADDED AS NEEDED TO IMPROVE DEFICIENT SOILS. TOPSOIL SHALL BE RETURNED AT A LOOSE DEPTH OF FIVE INCHES TO ALLOW FOR SETTLEMENT.
- 7. ESTABLISH PERMANENT SEEDING AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETE. UNLESS OTHERWISE INDICATED, PERMANENT SEEDING SHALL BE SEED MIXTURE SPECIFIED IN TABLE.
- 8. SEE TABLES FOR SEED SPECIES MIXTURE AND APPLICATION RATES.
- 9. SEED MIXES ARE AVAILABLE AT ERNST CONSERVATION SEEDS IN MEADVILLE, PA. WEBSITE: WWW.ERNSTSEED.COM OR PHONE: 1-800-873-3321.
- 10. NATIVE SHRUBS AND HERBACEOUS PLUGS ARE AVAILABLE AT PINELANDS NURSERY AND SUPPLY, COLUMBUS NJ. WEBSITE: WWW.PINELANDSNURSERY.COM OR PHONE 1-800-667-2729

GENERAL LANDSCAPING NOTES

- 1. ALL PLANT MATERIALS SHALL CONFIRM TO THE AMERICAN ASSOCIATION OF NURSERYMEN'S AMERICAN STANDARD FOR NURSERY STOCK (LATEST EDITION)
- 2. INSPECTION OF PLANTING BEDS THE LANDSCAPE ARCHITECT SHALL INSPECT ALL PLANTING AREAS BEFORE ANY TOPSOILING OR PLANTING IS BEGUN TO INSURE THAT ADEQUATE DRAINAGE EXISTS. IF ANY AREAS TO BE LANDSCAPED SHOW EVIDENCE OF POOR DRAINAGE, THE LANDSCAPE ARCHITECT SHALL NOTIFY THE OWNER IMMEDIATELY FOR CORRECTIVE ACTION
- 3. THE LANDSCAPE ARCHITECT SHALL APPROVE ALL PLANT MATERIAL AND STAKED PLANT LOCATIONS PRIOR TO INSTALLATION. ALL HERBACEOUS PLUG PLANTINGS SHALL BE A MINIMUM 3 INCH DEPTH. PLUGS SHALL BE PLANTED 1 FOOT O.C. AS INDICATED ON PLAN.
- 4. ALL TREES, SHRUBS, AND GROUNDCOVER SHALL BE PLACED IN CONTINUOUS MULCHED BEDS 4" IN DEPTH. MUCH SHALL BE TRIPLE SHREDDED HARDWOOD.
- 5. ALL TREES, SHRUBS, AND GROUNDCOVER SHALL BE AS SPECIFIED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS AND COMMENTS NOTED ON THE DRAWINGS.
- 6. TOPSOIL SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR FOR PLANTING ACCORDING TO THE PLANS AND DETAILS.
- 7. PREPARED TOPSOIL FOR BACKFILLING AROUND TREE BALLS SHALL BE A MIXTURE OF VOLUME OF THE FOLLOWING MATERIALS IN QUANTITIES SPECIFIED: 1/3 COMPOST, 1/3 TOPSOIL
- 8. ALL HERBACEOUS PLUG PLANTINGS SHALL BE MINIMUM 3 INCH DEPTH. PLUGS SHALL BE PLANTED 1 FOOT O.C. AS INDICATED ON PLAN.



1. DEER PROTECTION REQUIRED AROUND SHRUB PLANTINGS.

SHRUB PLANTING DETAIL

PROJECT PLANT LIST

one	Latin Name	Common Name		Growth Habit	
	Juncus roemerianus	needlegrass rush		grass-like	OBL
Emergent	Peltandra virginica	arrow arum	10%		OBL
Marsh Zone 1	Pontederia cordata	pickerelweed	10%		OBL
(OBL)	Schoenoplectus pungens	common threesquare blurush		grass-like	OBL
	Schoenoplectus robustus/Bolboschoenus robustus	saltmarsh bulrush	25%	grass-like	OBL
_	Juncus roemerianus	needlegrass rush	30%	grass-like	OBL
Emergent	Peltrandra virginica	arrow arum	10%	_	OBL
Marsh Zone 2	Schoenoplectus acutus	hard-stem bulrush		grass-like	OBL
(OBL)	Schoenoplectus robustus/Bolboschoenus robustus	saltmarsh bulrush		grass-like	OBL
		Sattmarsii banasii			
	Distichlis spicata	spike grass		grass-like	FACW
Emergent	Hibiscus moscheutos	swamp rose-mallow	15%	forb/herb	OBL
Marsh Zone 3	Iris prismatica	slender blueflag iris	15%	herb	OBL
(OBL/FACW)	Juncus effusus	soft rush	10%	grass-like	OBL
(OBL) FACVV)	Juncus gerardii	black needle rush	20%	grass-like	OBL
	Spartina patens	saltmeadow cordgrass	20%	grass	FACW
	A - I - view in a sum of a		C0/	-	ODI
	Asclepias incarnata	swamp milkweed	6%	herb	OBL
	Distichlis spicata	spike grass		grass-like	FACW
	Eupatorium fistulosum	Tall Joe Pye Weed	8%	herb	FACW
Transition	Iva frutescens	marsh elder		s hrub	FACW
Zone 1	Juncus gerardii	black needle rush		grass-like	FACW
FACW/FAC)	Solidago sempervirens	seaside goldenrod	6%	herb	FACW
	Spartina patens	saltmeadow cordgrass		grass	FACW
	Symphyotrichum novi-belgii/Aster novi-belgii	New York aster	6%	forb/herb	FACW
	Teucrium canadense	Canada germander	6%	forb/herb	FACW
	Verbena hastata	blue vervain	8%	herb	FACW
	Amenia taharnaan antara	common bluester	EU/	horb	EAC
	Amsonia tabernaemontana	common bluestar	5%	herb	FACU
	Andropogon virginicus	broomsedge		grass-like	FACU
	Asclepias incarnata	swamp milkweed	5%	herb	OBL
	Asclepias tuberosa	butterfly milkweed	5%	herb	UPL
	Baccharis halimifolia	groundsel bush		shrub	FACW
Transition	Heliopsis helianthoides	ox eye sunflower	5%	herb	FACU
Zone 2 (FACW/FAC)	Iva frutescens	marsh elder	12%	s hrub	FACW
	Liatris spicata	blazing star	5%	herb	FAC
	Muhlenbergia capillaris	pink hair grass	5%	grass-like	FACU
	Panicum virgatum	switchgrass	12%	grass-like	FAC
	Penstemon digitalis	foxglove beardtongue	5%	herb	FAC
	Rudbeckia hirta	black-eyed susan	5%	herb	FACU
	Schizachyrium scoparium	little bluestem	12%	grass-like	FACU
	,				
	Amelanchier canadensis	serviceberry		shrub	FAC
	Clethra alnifolia	sweet pepperbush		shrub	FAC
	Ilex opaca	American holly	10%	tree	FACU
Maritime	Juniperus virginiana	eastern redcedar	15%	tree	FACU
	Liquidambar styraciflua	sweetgum	10%	tree	FAC
Forest (Mix)	Prunus serotina	black cherry	15%	tree	FACU
	Rhododendron viscosom	swamp azalea	10%	shrub	FACW
	Sassafras albidum	sassafras	10%		FACU
	Viburnum dentatum	arrowwood		shrub	FAC
	Acer rubrum	red maple	5%	tree	FAC
	Acer saccharinum	silver maple		tree	FACW
	Aronia melanocarpa	black chokeberry		shrub	FAC
	Carya ovata	shagbark hickory		tree	FACU
	Celtis occidentalis	hackberry	5%	tree	FACU
	Cornus amomum	silky dogwood	5%	tree	FACU
	Cornus florida	flowering dogwood	5%	tree	FACW
	Juglans nigra	black walnut	5%	tree	FACU
	Juniperus virginiana	eastern red cedar		tree	FACU
Upland	Lindera benzoin	spicebush		shrub	FAC
Woodland	Liquidambar styraciflua	sweetgum		tree	FAC
(Mix)	Nyssa sylvatica	blackgum		tree	FAC
	Platanus occidentalis	American sycamore	5%	tree	FACW
	Prunus serotina	<u>'</u>			FACU
		black cherry		tree	
	Quercus bicolor	swamp white oak	5%	tree	FACW
	Quercus coccinea	scarlet oak		tree	UPL
	Quercus palustris	pin oak	5%	tree	FACW
	Quercus phellos	willow oak		tree	FAC
	Sambucus canadensis	elderberry	5%	shrub	FACW
	Sumbucus cunductisis	erore serry		3111 412	

SHEET NAME





DESIGNATE ONE
GLASS FOR YOUR
DRINKING WATER
EACH DAY, OR
REFILL A WATER
BOTTLE. THIS WILL
CUT DOWN ON THE
NUMBER OF
GLASSES TO WASH.

There are a number of ways to save water, and they all start with you. To learn more visit wateruseitwisely.com



WATER-SAVING DEVICE



PLUG THE SINK INSTEAD OF RUNNING THE WATER TO RINSE YOUR RAZOR AND SAVE UP TO 300 GALLONS A MONTH.

There are a number of ways to save water, and they all start with you. To learn more visit wateruseitwisely.com





WATER-SAVING DEVICE



KEEP A PITCHER OF DRINKING WATER IN THE REFRIGERATOR INSTEAD OF RUNNING THE TAP. THIS WAY, EVERY DROP GOES DOWN YOU AND NOT THE DRAIN.

There are a number of ways to save water, and they all start with you. To learn more visit wateruseitwisely.com



WATER-SAVING DEVICE

#02

WHEN WASHING DISHES BY HAND, DON'T LET THE WATER RUN. FILL ONE BASIN WITH WASH WATER AND THE OTHER WITH RINSE WATER.

There are a number of ways to save water, and they all start with you. To learn more visit wateruseitwisely.com





Woodbridge Township



Plan for Ecological Restoration & Stormwater Management Blue Acres Area

Port Reading, Woodbridge Township, Middlesex County

Public Information Meeting

March 26, 2019 ~ 5:00 - 7:00 PM

Overview: The Township of Woodbridge, in conjunction with the Rutgers Cooperative Extension (RCE), is formulating a plan to implement ecological restoration and stormwater management improvement(s) in the Port Reading section of Woodbridge Township.

The project area is located at the intersection of Fourth Street and East Tappan Street within the New Jersey Blue Acres zone and contains six former residential lots. Proposed improvements include the construction of three rain gardens (totaling 3,060 sq. ft.); native tree and shrub planting(s); and the establishment of 0.3 acres of meadow.

The objective of the restoration plan is to increase both the aesthetic and conservation value of the newly acquired open space and to manage stormwater runoff from an approximately 0.3 +/- acre drainage area.

Rutgers Cooperative Extension (RCE) will be conducting turf management activities within Blue Acres zones on Fourth Street and East Tappan Street to prepare the grounds for subsequent ecological restoration. Treatments will occur on three separate occasions between May and September, 2019.

Neighbors can expect to see RCE and/or Woodbridge Township personnel on-site applying a commonly used broad-spectrum herbicide. Signs will be erected in treated area(s) indicating the date and time when it is safe for people and pets to re-enter (approximately two hours after application). Treated areas will be replanted with native warm-season grasses and wildflowers in the Fall 2019. The ecological restoration and stormwater management improvement is scheduled to be completed by June 2019.

Public Information Meeting: Area residents are invited to attend a Public Information Meeting at the Cypress Recreation Center, 881 West Avenue, Port Reading, on Wed., March 26, 2019 from 5:00 - 7:00 PM.

For Further Information Contact:

Thomas C. Flynn, M.P.A., CFM Floodplain Manager Division of Engineering Township of Woodbridge 1 Main Street, Woodbridge 732.602.6057 Thomas.Flynn@twp.woodbridge.nj.us

Sincerely,

John E. McCormac

Mayor

Woodbridge Township



Example of a Rain Garden: A rain garden is a garden of native shrubs, perennials, and flowers planted in a small depression, which is generally formed on a natural slope. It is designed to temporarily hold and soak in rain water runoff that flows from roofs, driveways, patios or lawns.

COLONIA

OPEN SPACE AND FLOODPLAIN RESTORATION PLAN WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY, NEW JERSEY

PROJECT DESCRIPTION:

PROPOSED NATIVE TREE AND SHRUB PLANTINGS IN COLONIA, WOODBRIDGE TOWNSHIP, NEW JERSEY AS PART OF THE OPEN SPACE AND FLOODPLAIN RESTORATION PLAN

LIST OF DRAWINGS:

SHEET NAME	TITLE
COVER	COVER SHEET
P-1	SITE PLAN 1
P-2	SITE PLAN 2
DT-1	DETAILS

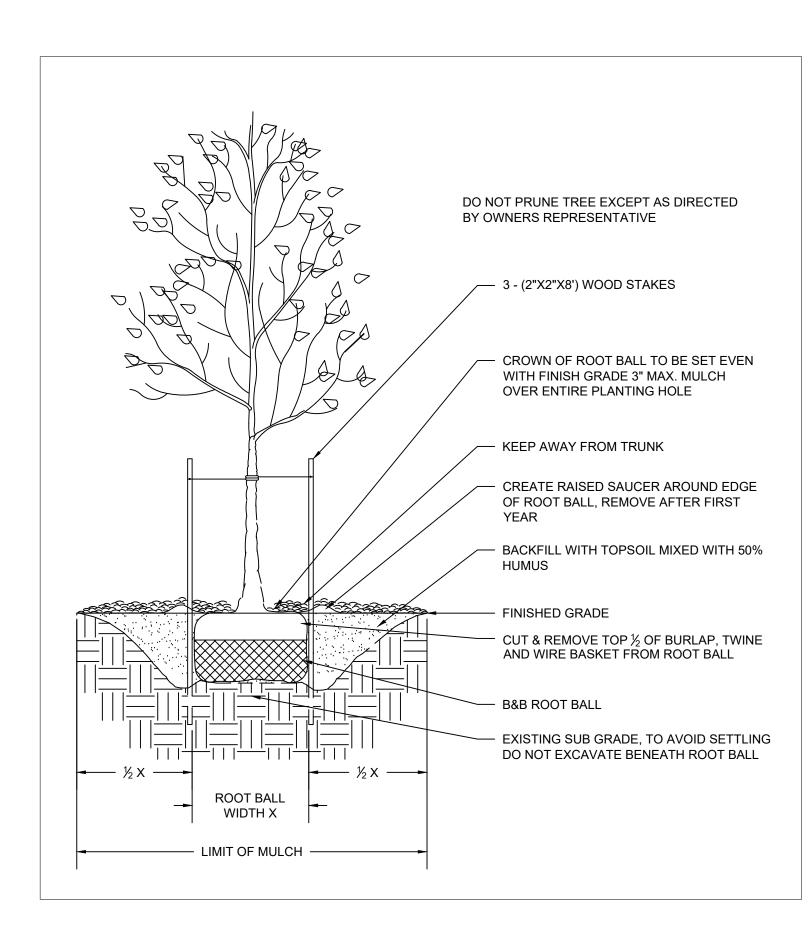
GENERAL NOTES:

- 1. SURVEY CONDUCTED BY RUTGERS COOPERATIVE EXTENSION WATER RESOURCES PROGRAM. (OR ELEVATION DATA OBTAINED FROM INSERT DATA SOURCE HERE, TYP NOAA DIGITAL COASTAL LIDAR.)
- 2. ANY OVERHEAD AND UNDERGROUND UTILITIES SHOWN ARE FROM FIELD OBSERVATIONS AND ARE NOT A COMPLETE REPRESENTATION. A UTILITY MARKOUT NEEDS TO BE CONDUCTED PRIOR TO MOBILIZATION. NJ ONE CALL: 811 OR 800-272-1000

LOCATION MAP:

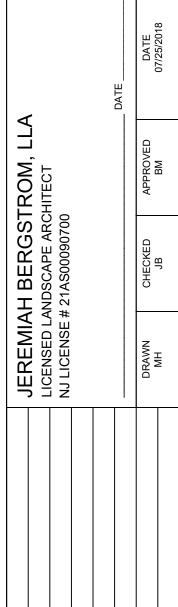


DETAILS:

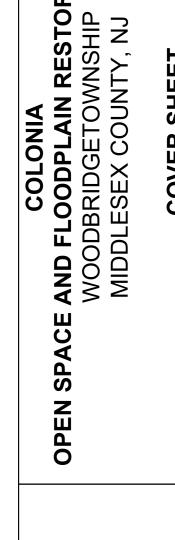


NOTES:

- 1. DO NOT DAMAGE MAIN ROOTS OR ROOT BALL WHEN INSTALLING TREE STAKE.
- 2. WATER THOROUGHLY AFTER INSTALLATION.
- 3. REMOVE SAUCER AND STAKES TWO YEARS OR LESS AFTER INSTALLATION.
- 4. CONTRACTOR IS NOT TO USE TREE WRAP.
- 5. VACANT LOTS TO BE SEEDED WITH LOFT/PENNINGTON "SUMMER STRESS MIX 2"
- 6. SEED AT 100-200 LBS. PER ACRE.



	ION PLAN No. DATE		DESCRIPTION
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SHEET NAME

COVER

