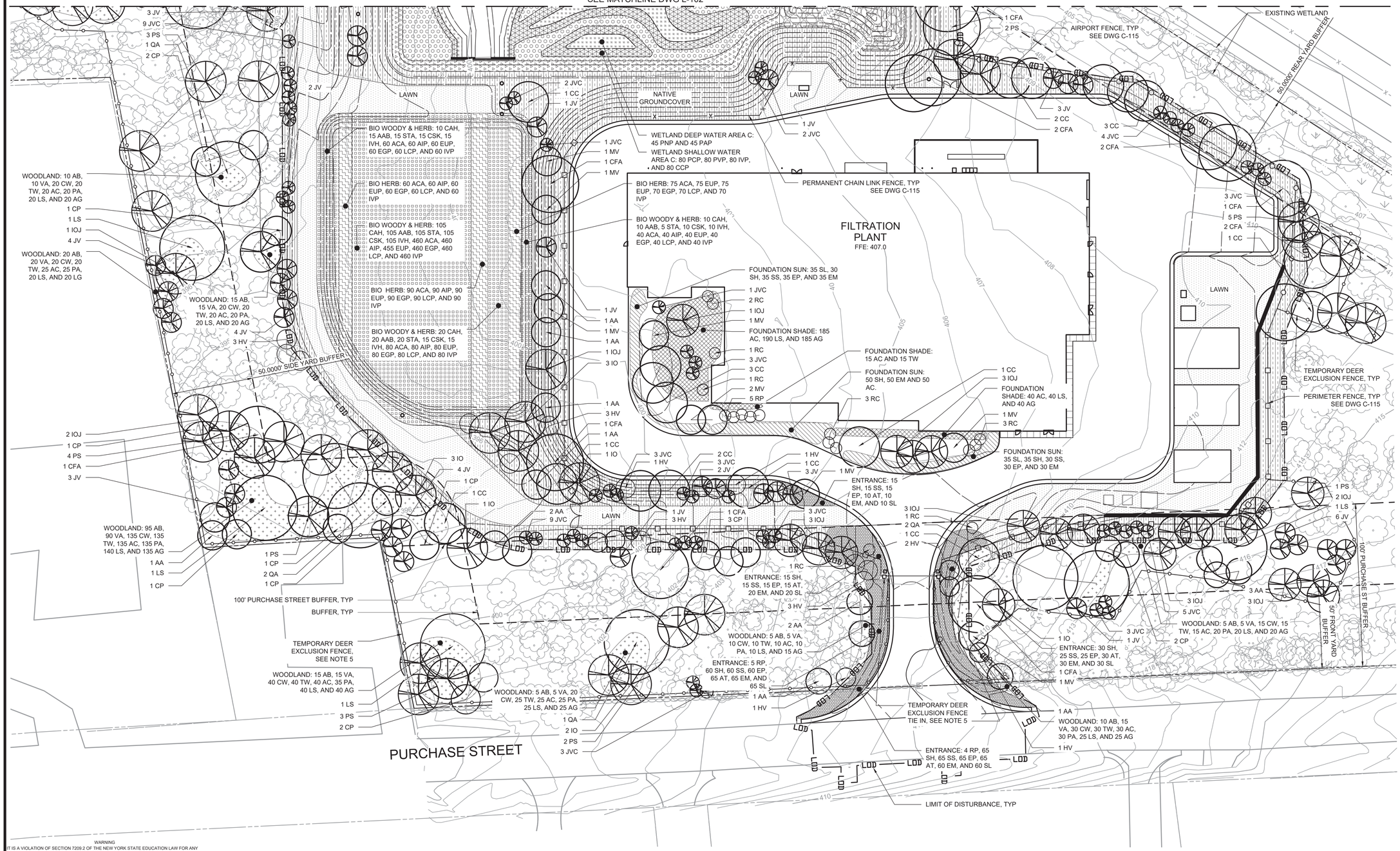

PLAN

SCALE: 1" = 30'

SCALE: 1" = 30'

30 15 0 30

NOTES:

1. SEE L-102 LANDSCAPE PLAN - SHEET 2 FOR PLANTING NOTES.
2. SEE L-301 FOR LANDSCAPE SCHEDULES.
3. SEE L-301 AND L-302 FOR SEEDING AND PLANTING DETAILS.
4. ALL WORK PERFORMED BETWEEN THE CONSTRUCTION/SILT FENCE AND TEMPORARY DEER EXCLUSION FENCE SHALL BE PERFORMED WITH HAND TOOLS ONLY. NO HEAVY MACHINERY SHALL BE PERMITTED.
5. TEMPORARY DEER EXCLUSION FENCE TO TIE INTO CHAIN LINK FENCE AND AIRPORT FENCE DURING CONSTRUCTION, SEE CIVIL DWG C-111, AND SHALL BE SIX (6) INCHES FROM THE ACTUATED SWINGING ACCESS GATE STONE COLUMNS AFTER REMOVAL OF THE CHAIN LINK FENCE GATES.

LEGEND

- ZONE 1 - LAWN
- ZONE 2 - NATIVE GROUNDCOVER
- ZONE 3 - ENTRANCE
- ZONE 4 - FOUNDATION PART SUN
- ZONE 5 - FOUNDATION SHADE
- ZONE 6 - WOODLAND
- ZONE 7 - BIORETENTION HERBACEOUS
- ZONE 8 - BIORETENTION WOODY AND HERBACEOUS
- ZONE 9 - WETLAND DEEP WATER
- ZONE 10 - WETLAND SHALLOW WATER BENCH
- ZONE 11 - WETLAND SHORELINE FRINGE
- ZONE 12 - WETLAND RIPARIAN FRINGE

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER: R. FROST
DESIGNED BY: E. MOSKALENKO
DRAWN BY: E. MOSKALENKO
CHECKED BY: M. SANTOWASSO
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

BID SET

REGISTERED LANDSCAPE ARCHITECT ELIZABETH ANN MOSKALENKO 002548-1 STATE OF NEW YORK

Hazen
HAZEN AND SAWYER
498 SEVENTH AVENUE, 11th FLOOR
NEW YORK, NEW YORK 10018

WESTCHESTER JOINT WATER WORKS
MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT
HARRISON, NY

LANDSCAPE
LANDSCAPE PLAN - SHEET 1

DATE: FEB 2025
HAZEN NO.: 90388-000
CONTRACT NO.: A1364-A
DRAWING NUMBER: L-101

File: C:\USERS\KCAMPOS\DCACCDOCS\HAZEN AND SAWYER\90388-000_RYE_LAKE_FILTRATION\PROJECT FILES\PROJECTWISE\LANDSCAPE\L-101 Saved by EMOSKALENKO Save date: 2/7/2025 5:08 PM
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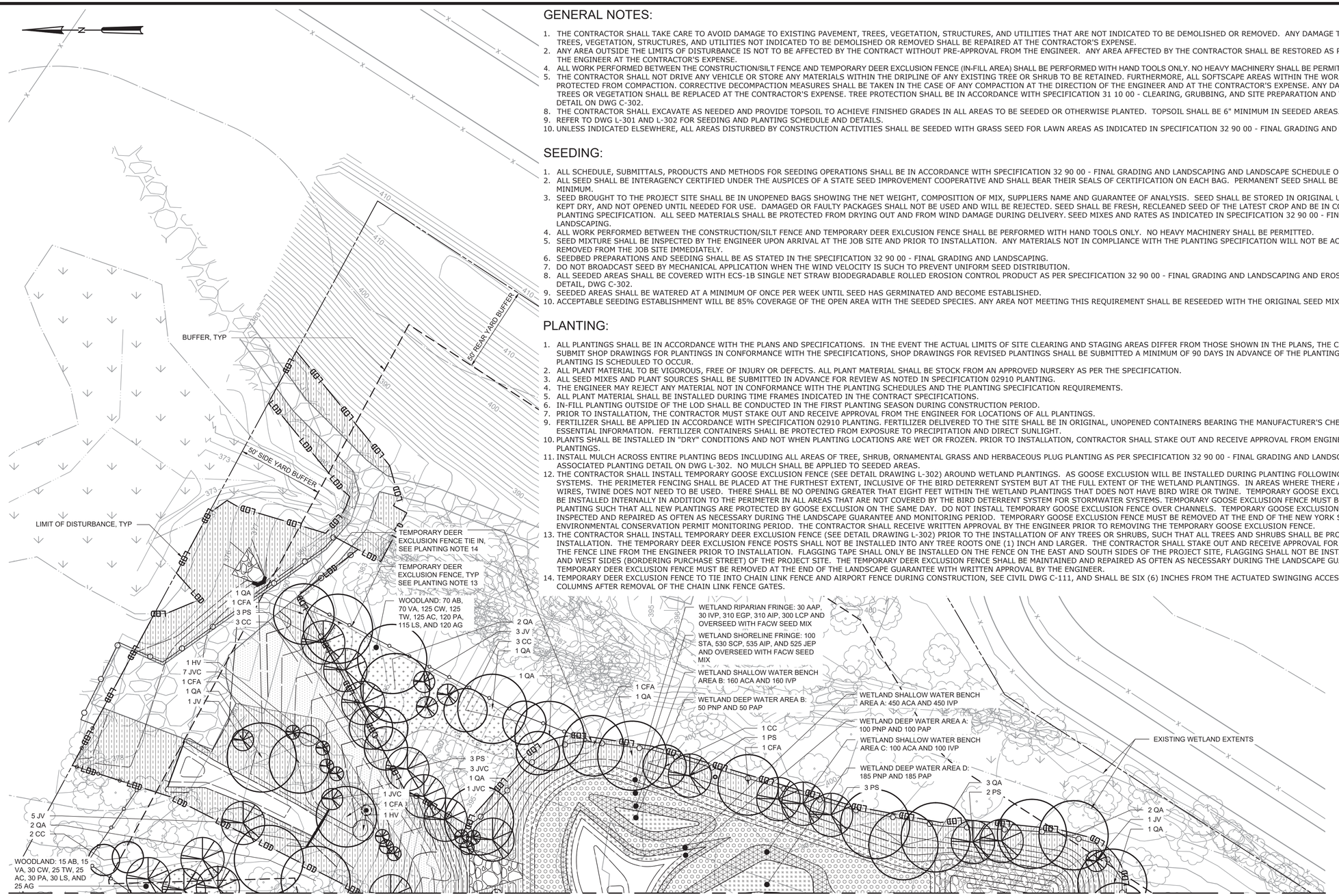

GENERAL NOTES:

1. THE CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE TO EXISTING PAVEMENT, TREES, VEGETATION, STRUCTURES, AND UTILITIES THAT ARE NOT INDICATED TO BE DEMOLISHED OR REMOVED. ANY DAMAGE TO EXISTING PAVEMENT, TREES, VEGETATION, STRUCTURES, AND UTILITIES NOT INDICATED TO BE DEMOLISHED OR REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. ANY AREA OUTSIDE THE LIMITS OF DISTURBANCE IS NOT TO BE AFFECTED BY THE CONTRACT WITHOUT PRE-APPROVAL FROM THE ENGINEER. ANY AREA AFFECTED BY THE CONTRACTOR SHALL BE RESTORED AS PER THE DIRECTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
4. ALL WORK PERFORMED BETWEEN THE CONSTRUCTION/SILT FENCE AND TEMPORARY DEER EXCLUSION FENCE (IN-FILL AREA) SHALL BE PERFORMED WITH HAND TOOLS ONLY. NO HEAVY MACHINERY SHALL BE PERMITTED.
5. THE CONTRACTOR SHALL NOT DRIVE ANY VEHICLE OR STORE ANY MATERIALS WITHIN THE DRIPLINE OF ANY EXISTING TREE OR SHRUB TO BE RETAINED. FURTHERMORE, ALL SOFTSCAPE AREAS WITHIN THE WORK LIMITS SHALL BE PROTECTED FROM COMPACTION. CORRECTIVE DECOMPACTION MEASURES SHALL BE TAKEN IN THE CASE OF ANY COMPACTION AT THE DIRECTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE. ANY DAMAGE TO EXISTING TREES OR VEGETATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. TREE PROTECTION SHALL BE IN ACCORDANCE WITH SPECIFICATION 31 10 00 - CLEARING, GRUBBING, AND SITE PREPARATION AND TREE PROTECTION DETAIL ON DWG C-302.
8. THE CONTRACTOR SHALL EXCAVATE AS NEEDED AND PROVIDE TOPSOIL TO ACHIEVE FINISHED GRADES IN ALL AREAS TO BE SEEDED OR OTHERWISE PLANTED. TOPSOIL SHALL BE 6" MINIMUM IN SEEDED AREAS.
9. REFER TO DWG L-301 AND L-302 FOR SEEDING AND PLANTING SCHEDULE AND DETAILS.
10. UNLESS INDICATED ELSEWHERE, ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED WITH GRASS SEED FOR LAWN AREAS AS INDICATED IN SPECIFICATION 32 90 00 - FINAL GRADING AND LANDSCAPING.

SEEDING:

1. ALL SCHEDULE, SUBMITTALS, PRODUCTS AND METHODS FOR SEEDING OPERATIONS SHALL BE IN ACCORDANCE WITH SPECIFICATION 32 90 00 - FINAL GRADING AND LANDSCAPING AND LANDSCAPE SCHEDULE ON DWG L-301.
2. ALL SEED SHALL BE INTERAGENCY CERTIFIED UNDER THE AUSPICES OF A STATE SEED IMPROVEMENT COOPERATIVE AND SHALL BEAR THEIR SEALS OF CERTIFICATION ON EACH BAG. PERMANENT SEED SHALL BE 75% PURE LIVE SEED MINIMUM.
3. SEED BROUGHT TO THE PROJECT SITE SHALL BE IN UNOPENED BAGS SHOWING THE NET WEIGHT, COMPOSITION OF MIX, SUPPLIERS NAME AND GUARANTEE OF ANALYSIS. SEED SHALL BE STORED IN ORIGINAL UNOPENED PACKAGES, KEPT DRY, AND NOT OPENED UNTIL NEEDED FOR USE. DAMAGED OR FAULTY PACKAGES SHALL NOT BE USED AND WILL BE REJECTED. SEED SHALL BE FRESH, RECLEANED SEED OF THE LATEST CROP AND BE IN CONFORMANCE WITH THE PLANTING SPECIFICATION. ALL SEED MATERIALS SHALL BE PROTECTED FROM DRYING OUT AND FROM WIND DAMAGE DURING DELIVERY. SEED MIXES AND RATES AS INDICATED IN SPECIFICATION 32 90 00 - FINAL GRADING AND LANDSCAPING.
4. ALL WORK PERFORMED BETWEEN THE CONSTRUCTION/SILT FENCE AND TEMPORARY DEER EXLCUSION FENCE SHALL BE PERFORMED WITH HAND TOOLS ONLY. NO HEAVY MACHINERY SHALL BE PERMITTED.
5. SEED MIXTURE SHALL BE INSPECTED BY THE ENGINEER UPON ARRIVAL AT THE JOB SITE AND PRIOR TO INSTALLATION. ANY MATERIALS NOT IN COMPLIANCE WITH THE PLANTING SPECIFICATION WILL NOT BE ACCEPTED AND SHALL BE REMOVED FROM THE JOB SITE IMMEDIATELY.
6. SEEDBED PREPARATIONS AND SEEDING SHALL BE AS STATED IN THE SPECIFICATION 32 90 00 - FINAL GRADING AND LANDSCAPING.
7. DO NOT BROADCAST SEED BY MECHANICAL APPLICATION WHEN THE WIND VELOCITY IS SUCH TO PREVENT UNIFORM SEED DISTRIBUTION.
8. ALL SEEDED AREAS SHALL BE COVERED WITH ECS-1B SINGLE NET STRAW BIODEGRADABLE ROLLED EROSION CONTROL PRODUCT AS PER SPECIFICATION 32 90 00 - FINAL GRADING AND LANDSCAPING AND EROSION CONTROL MATTING DETAIL, DWG C-302.
9. SEEDED AREAS SHALL BE WATERED AT A MINIMUM OF ONCE PER WEEK UNTIL SEED HAS GERMINATED AND BECOME ESTABLISHED.
10. ACCEPTABLE SEEDING ESTABLISHMENT WILL BE 85% COVERAGE OF THE OPEN AREA WITH THE SEEDED SPECIES. ANY AREA NOT MEETING THIS REQUIREMENT SHALL BE RESEEDED WITH THE ORIGINAL SEED MIX.

PLANTING:

1. ALL PLANTINGS SHALL BE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. IN THE EVENT THE ACTUAL LIMITS OF SITE CLEARING AND STAGING AREAS DIFFER FROM THOSE SHOWN IN THE PLANS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PLANTINGS IN CONFORMANCE WITH THE SPECIFICATIONS, SHOP DRAWINGS FOR REVISED PLANTINGS SHALL BE SUBMITTED A MINIMUM OF 90 DAYS IN ADVANCE OF THE PLANTING SEASON WHEN PLANTING IS SCHEDULED TO OCCUR.
2. ALL PLANT MATERIAL TO BE VIGOROUS, FREE OF INJURY OR DEFECTS. ALL PLANT MATERIAL SHALL BE STOCK FROM AN APPROVED NURSERY AS PER THE SPECIFICATION.
3. ALL SEED MIXES AND PLANT SOURCES SHALL BE SUBMITTED IN ADVANCE FOR REVIEW AS NOTED IN SPECIFICATION 02910 PLANTING.
4. THE ENGINEER MAY REJECT ANY MATERIAL NOT IN CONFORMANCE WITH THE PLANTING SCHEDULES AND THE PLANTING SPECIFICATION REQUIREMENTS.
5. ALL PLANT MATERIAL SHALL BE INSTALLED DURING TIME FRAMES INDICATED IN THE CONTRACT SPECIFICATIONS.
6. IN-FILL PLANTING OUTSIDE OF THE LOD SHALL BE CONDUCTED IN THE FIRST PLANTING SEASON DURING CONSTRUCTION PERIOD.
7. PRIOR TO INSTALLATION, THE CONTRACTOR MUST STAKE OUT AND RECEIVE APPROVAL FROM THE ENGINEER FOR LOCATIONS OF ALL PLANTINGS.
9. FERTILIZER SHALL BE APPLIED IN ACCORDANCE WITH SPECIFICATION 02910 PLANTING. FERTILIZER DELIVERED TO THE SITE SHALL BE IN ORIGINAL, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S CHEMICAL ANALYSIS AND ESSENTIAL INFORMATION. FERTILIZER CONTAINERS SHALL BE PROTECTED FROM EXPOSURE TO PRECIPITATION AND DIRECT SUNLIGHT.
10. PLANTS SHALL BE INSTALLED IN "DRY" CONDITIONS AND NOT WHEN PLANTING LOCATIONS ARE WET OR FROZEN. PRIOR TO INSTALLATION, CONTRACTOR SHALL STAKE OUT AND RECEIVE APPROVAL FROM ENGINEER FOR LOCATIONS OF PLANTINGS.
11. INSTALL MULCH ACROSS ENTIRE PLANTING BEDS INCLUDING ALL AREAS OF TREE, SHRUB, ORNAMENTAL GRASS AND HERBACEOUS PLUG PLANTING AS PER SPECIFICATION 32 90 00 - FINAL GRADING AND LANDSCAPING AND EACH ASSOCIATED PLANTING DETAIL ON DWG L-302. NO MULCH SHALL BE APPLIED TO SEEDED AREAS.
12. THE CONTRACTOR SHALL INSTALL TEMPORARY GOOSE EXCLUSION FENCE (SEE DETAIL DRAWING L-302) AROUND WETLAND PLANTINGS. AS GOOSE EXCLUSION WILL BE INSTALLED DURING PLANTING FOLLOWING BIRD DETERRENT SYSTEMS. THE PERIMETER FENCING SHALL BE PLACED AT THE FURTHEST EXTENT, INCLUSIVE OF THE BIRD DETERRENT SYSTEM BUT AT THE FULL EXTENT OF THE WETLAND PLANTINGS. IN AREAS WHERE THERE ARE BIRD DETERRENT WIRES, TWINE DOES NOT NEED TO BE USED. THERE SHALL BE NO OPENING GREATER THAT EIGHT FEET WITHIN THE WETLAND PLANTINGS THAT DOES NOT HAVE BIRD WIRE OR TWINE. TEMPORARY GOOSE EXCLUSION FENCING SHALL BE INSTALLED INTERNALLY IN ADDITION TO THE PERIMETER IN ALL AREAS THAT ARE NOT COVERED BY THE BIRD DETERRENT SYSTEM FOR STORMWATER SYSTEMS. TEMPORARY GOOSE EXCLUSION FENCE MUST BE INSTALLED WHILE PLANTING SUCH THAT ALL NEW PLANTINGS ARE PROTECTED BY GOOSE EXCLUSION ON THE SAME DAY. DO NOT INSTALL TEMPORARY GOOSE EXCLUSION FENCE OVER CHANNELS. TEMPORARY GOOSE EXCLUSION FENCE MUST BE INSPECTED AND REPAIRED AS OFTEN AS NECESSARY DURING THE LANDSCAPE GUARANTEE AND MONITORING PERIOD. TEMPORARY GOOSE EXCLUSION FENCE MUST BE REMOVED AT THE END OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PERMIT MONITORING PERIOD. THE CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL BY THE ENGINEER PRIOR TO REMOVING THE TEMPORARY GOOSE EXCLUSION FENCE.
13. THE CONTRACTOR SHALL INSTALL TEMPORARY DEER EXCLUSION FENCE (SEE DETAIL DRAWING L-302) PRIOR TO THE INSTALLATION OF ANY TREES OR SHRUBS, SUCH THAT ALL TREES AND SHRUBS SHALL BE PROTECTED THE SAME AS INSTALLATION. THE TEMPORARY DEER EXCLUSION FENCE POSTS SHALL NOT BE INSTALLED INTO ANY TREE ROOTS ONE (1) INCH AND LARGER. THE CONTRACTOR SHALL STAKE OUT AND RECEIVE APPROVAL FOR FINAL LOCATION OF THE FENCE LINE FROM THE ENGINEER PRIOR TO INSTALLATION. FLAGGING TAPE SHALL ONLY BE INSTALLED ON THE FENCE ON THE EAST AND SOUTH SIDES OF THE PROJECT SITE, FLAGGING SHALL NOT BE INSTALLED ON THE NORTH AND WEST SIDES (BORDERING PURCHASE STREET) OF THE PROJECT SITE. THE TEMPORARY DEER EXCLUSION FENCE SHALL BE MAINTAINED AND REPAIRED AS OFTEN AS NECESSARY DURING THE LANDSCAPE GUARANTEE. THE TEMPORARY DEER EXCLUSION FENCE MUST BE REMOVED AT THE END OF THE LANDSCAPE GUARANTEE WITH WRITTEN APPROVAL BY THE ENGINEER.
14. TEMPORARY DEER EXCLUSION FENCE TO TIE INTO CHAIN LINK FENCE AND AIRPORT FENCE DURING CONSTRUCTION, SEE CIVIL DWG C-111, AND SHALL BE SIX (6) INCHES FROM THE ACTUATED SWINGING ACCESS GATE STONE COLUMNS AFTER REMOVAL OF THE CHAIN LINK FENCE GATES.

LEGEND

- ZONE 1 - LAWN
- ZONE 2 - NATIVE GROUNDCOVER
- ZONE 3 - ENTRANCE
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- ZONE 12 - WETLAND RIPARIAN FRINGE

PLAN
SCALE: 1" = 30'

SCALE: 1" = 30'
30 15 0 30'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	R. FROST
DESIGNED BY:	E. MOSKALENKO
DRAWN BY:	E. MOSKALENKO
CHECKED BY:	M. SANTOWASSO

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

BID SET

REGISTERED LANDSCAPE ARCHITECT ELIZABETH ANN MOSKALENKO 002548-1 STATE OF NEW YORK

Hazen
HAZEN AND SAWYER
498 SEVENTH AVENUE, 11th FLOOR
NEW YORK, NEW YORK 10018

WESTCHESTER JOINT WATER WORKS
MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT
HARRISON, NY

LANDSCAPE
LANDSCAPE PLAN - SHEET 2

DATE:	FEB 2025
HAZEN NO.:	90388-000
CONTRACT NO.:	A1364-A
DRAWING NUMBER:	L-102

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SEEDING SCHEDULE

ZONE 1 - Lawn Seed Mix **(24,150 SF)**

BOTANICAL NAME	COMMON NAME	PERCENTAGE
Festuca rubra	creeping red fescue	25
Lolium multiflorum	annual ryegrass	25
Lolium perenne , 'Blackstone'	perennial ryegrass, 'Blackstone'	25
Lolium perenee 'Confetti III'	Perennial ryegrass, Confetti III' turf type	25

Seed Lawn Mix at a rate of 150 lbs/acre.

ZONE 2 - Native Groundcover Seed Mix **(65,820 SF)**

BOTANICAL NAME	COMMON NAME	PERCENTAGE
Carex grisea	gray wood sedge	20
Carex pensylvanica	Pensylvania sedge	20
Sporobolus heterolepis	prairie dropseed	20
Achillea millefolium	common yarrow	5
Aquilegia canadensis	wild columbine	5
Asclepias tuberosa	butterfly milkweed	5
Conoclinium coelestinum	blue mistflower	5
Eurybia divarica	white wood aster	5
Solidago nemoralis	gray goldenrod	5
Symphyotrichum novi-belgii	New York aster	5

Seed Native Groundcover Mix at a rate of 15 lbs/acre and overseed with Cover Crop Seed Mix at a rate of 15 lbs/acre.

COVER CROP SEED MIX **(65,400 SF)**

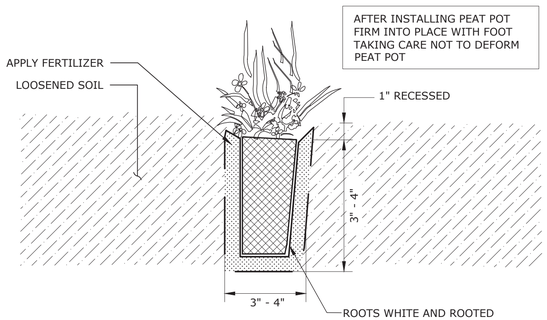
BOTANICAL NAME	COMMON NAME
Avena sativa	oats

Seed Cover Crop at a rate of 15 lbs/acre.

ZONES 7, 8, 11, 12 - FACW SEED MIX **(34,400 SF)**

BOTANICAL NAME	COMMON NAME	PERCENTAGE
Asclepias incarnata	swamp milkweed	20
Euthamia graminifolia	grass-leaved goldenrod	20
Eupatorium maculatum	spotted Joe-Pye-weed	20
Eupatorium perfoliatum	boneset	20
Lobelia cardinalis	cardinal flower	20

Seed FACW Seed Mix at a rate of 10 lbs/acre.



NOTES:

1. ALL PLASTIC WRAP SHALL BE REMOVED PRIOR TO PLANTING.

TYPICAL PLUG PLANTING DETAIL

NOT TO SCALE

PLANTING SCHEDULE

ZONES 3, 4, 5, & 6

	Quantity	Code	Scientific Name	Common Name	Size	Form	Spacing	Comments
Trees								
	13	AA	*Amelanchier arborea*	downy serviceberry	#7	cont.	as shown	
	14	CP	*Carpinus caroliniana*	American hornbeam	#10	cont.	as shown	
	26	CC	*Cercis canadensis*	eastern redbud	#20	cont.	as shown	acceptable cultivars: 'Ace of Hearts', 'Forest Pansy', 'Ruby Falls'
	18	CFA	*Cornus florida* 'Appalachian Spring'	Appalachian Spring flowering dogwood	#10	cont.	as shown	
	13	IO	*Ilex opaca*	American holly	#15	cont.	as shown	
	19	IOJ	*Ilex opaca* 'Jersey Princess'	Jersey Princess american holly	#65	cont.	as shown	
	44	JV	*Juniperus virginiana*	eastern red cedar	#15	cont.	as shown	
	69	JVC	*Juniperus virginiana* 'Emerald Sentinel'	Emerald Sentinel™ red cedar	#65	cont.	as shown	
	5	LS	*Liquidambar styraciflua*	American sweetgum	1.5" cal	B&B	as shown	
	9	MV	*Magnolia virginiana 'Henry Hicks'*	Henry Hicks southern magnolia	3.5" cal	B&B	as shown	
	33	PS	*Pinus strobus*	eastern white pine	#25	cont.	as shown	
	22	QA	*Quercus alba*	white oak	1.5" cal	B&B	as shown	
Shrubs								
	265	AB	*Aronia arbutifolia*	red chokeberry	72 cell	tubeling	2' O.C.	naturalistic clusters of 3 to 5
	20	HV	*Hamamelis virginiana* 'Mohonk Red'	Mohonk red witchhazel	#5	cont.	as shown	
	12	RC	*Rhododendron catawbiense* 'Roseum Elegans'	English Roseum catawba rhododendron	#7	cont.	as shown	
	14	RP	*Rhododendron* 'P.J.M. Elite'	Elite rhododendron	#5	cont.	4' O.C.	
	265	VA	*Vaccinium angustifolium*	lowbush blueberry	72 cell	tubeling	2' O.C.	naturalistic clusters of 3 to 5
Herbaceous / Grasses								
	465	CW	Carex woodii	wood sedge	2"	plug	1' O.C.	naturalistic clusters of 3 to 5
	480	TW	Tiarella wherryi	wherry's foam flower	2"	plug	1.5' O.C.	naturalistic clusters of 3 to 5
	850	AC	Anemone canadensis	windflower	2"	plug	1.5' O.C.	naturalistic clusters of 3 to 5
	300	EM	Eurybia macrophyllus 'Twilight'	twilight big leaf aster	2"	plug	1.5' O.C.	naturalistic clusters of 3 to 5
	465	PA	Polystichum acrostichoides	christmas fern	32 cell	tubeling	1' O.C.	naturalistic clusters of 3 to 5
	255	SL	Symphyotrichum laeve	smooth blue aster	2"	plug	1.5' O.C.	naturalistic clusters of 3 to 5
	695	LS	Lobelia siphilitica	great blue lobelia	2"	plug	1' O.C.	naturalistic clusters of 3 to 5
	300	SH	Sporobolus heterolepis	prairie dropseed	#1	cont.	1.5' O.C.	naturalistic clusters of 3 to 5
	245	SS	Schizachyrium scoparium 'Carousel'	Carousel little bluestem	#1	cont.	1.5' O.C.	naturalistic clusters of 3 to 5
	690	AG	Aquilegia canadensis	eastern red columbine	2"	plug	1' O.C.	naturalistic clusters of 3 to 5
	245	EP	Echinacea purpurea	eastern purple coneflower	2"	plug	1' O.C.	naturalistic clusters of 3 to 5
	185	AT	Asclepias tuberosa	butteryfly weed	2"	plug	1' O.C.	naturalistic clusters of 3 to 5

ZONES 7 & 8 - BIORETENTION

	No.	Sym	Scientific Name	Common Name	Size	Form	Spacing	Comments
Shrubs								
	145	CAH	*Clethra alnifolia* 'Hummingbird'	Hummingbird sweet pepperbush	#1	cont.	3' O.C.	Cluster of 3,5,7
	150	AAB	*Aronia arbutifolia* 'Brillantissima'	Brilliantissima red chokeberry	#1	cont.	3' O.C.	Cluster of 3,5,7
	145	STA	*Spirea tomentosa*	steeplebush	#1	cont.	3' O.C.	Cluster of 3,5,7
	145	CSK	*Cornus sericea* 'Kelseyi'	Kelsey red-twig dogwood	#1	cont.	3' O.C.	Cluster of 3,5,7
	140	IVH	*Itea virginica* 'Henry's Garnet'	Henry's Garnet sweetspire	#1	cont.	3' O.C.	Cluster of 3,5,7
Herbaceous								
	865	ACA	*Acorus calamus*	sweet flag	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	865	AIP	*Asclepias incarnata*	swamp milkweed	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	860	EUP	*Eupatorium purpureum*	Joe-Pye Weed	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	860	EGP	*Euthamia graminifolia*	grass-leaved goldenrod	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	860	LCP	*Lobelia cardinalis*	cardinal flower	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	860	IVP	*Iris versicolor*	blue flag	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows

Wetland

	Quantity	Code	Scientific Name		Size	Form	Spacing	Comments
Zone 9 -Wetland Deep Water (Area A: 700 SF + Area B: 340 SF + Area C: 310 SF = 1,350 SF)								
	380	PNP	*Potamogeton nodusus*	long-leaved pond weed	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	380	PAP	*Polygonum amphibium*	water smartweed	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows

Zone 10 - Wetland Shallow Water Bench (Area A: 3,120 SF + Area B 1,070 SF + 650 SF = 4,840 SF)

	710	ACA	*Acorus calamus*	sweet flag	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	710	IVP	*Iris versicolor*	blue flag	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows

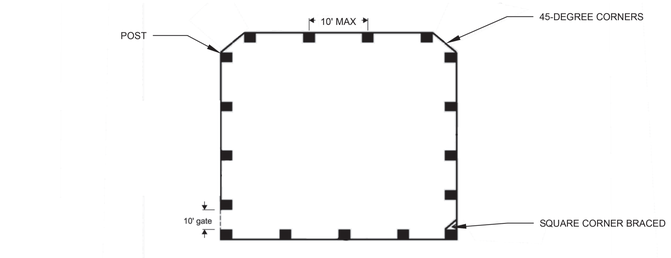
Zone 11 - Wetland Shoreline Fringe (Area: 6,850 SF)

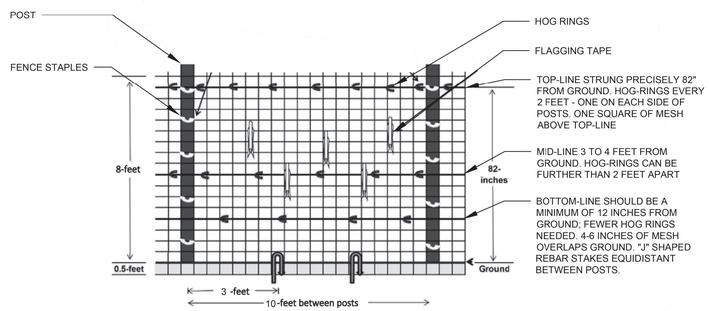
Herbaceous								
	530	SCP	*Saururus cernuus*	lizard's tail	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	525	AIP	*Asclepias incarnata*	swamp milkweed	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	525	EUP	*Eupatorium purpureum*	Joe-Pye Weed	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
Shrubs								
	100	STA	*Spirea tomentosa*	steeplebush	#1	cont	4' O.C.	Cluster of 3,5,7

Overseed at a rate of 10 lbs/acre with FACW Seed Mix.

Zone 12 - Wetland Riparian Fringe (4,000 SF)

Herbaceous								
	310	EGP	*Euthamia graminifolia*	grass-leaved goldenrod	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	310	AIP	*Asclepias incarnata*	swamp milkweed	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
	300	LCP	*Lobelia cardinalis*	cardinal flower	2"	plug	2' O.C.	Groups of 5,7,9 in alternating rows
Shrubs								
	30	AAP	*Aronia arbutifolia*	red chokeberry	72 cell	tubeling	4' O.C.	Cluster of 3,5,7
	30	IVP	*Itea virginica*	virginia sweetspire	72 cell	tubeling	4' O.C.	Cluster of 3,5,7



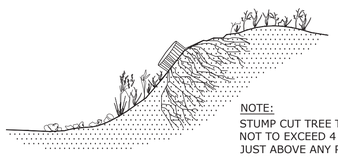


INSTALLATION NOTES:

1. INSTALL 10-FOOT LONG 4" X 4" WOODEN POSTS AT LEAST 2 FEET DEEP WITH AT LEAST 8 FEET OF POST ABOVE GROUND. POSTS SHOULD BE SPACED NO FURTHER THAN 10 FEET APART.
2. INSTALL 45-DEGREE ANGLE POSTS AT THE CORNERS WHEN POSSIBLE RATHER THAN SQUARE TO INCREASE STRENGTH. SPACE POSTS FOR GATE(S) AND LEAVE SPACE BETWEEN FENCE AND TREES AS NECESSARY FOR EQUIPMENT ACCESS AND MAINTENANCE.
3. STRING THREE SECTIONS OF NO. 14 GAUGE WIRE - TOP, MIDDLE, AND BOTTOM TO SUPPORT AND REINFORCE THE WIRE MESH FENCING. START WITH THE TOP LINE AND SECURE TO POSTS WITH U-SHAPED FENCE STAPLES. ONCE ALL THREE LINES ARE ATTACHED, TENSION THE LINES USING GRIPPLES OR OTHER LOCKING DEVICES.
4. ATTACH NO. 14 GAUGE METAL MESH WITH 4" X 6" OPENINGS TO POSTS WITH U-SHAPED FENCING STAPLES AND PULL TAUT BETWEEN EACH POST.
5. CRIMP HOG RINGS TO THE TOP LINE EVERY 2 FEET BETWEEN POSTS AND AS CLOSE AS POSSIBLE TO EACH SIDE OF THE POSTS. PLACE HOG RINGS EVERY 3 TO 4 FEET ON THE MIDDLE AND BOTTOM LINES.
6. AFTER MESH IS SECURED TO WIRE, STAKE MESH TO THE GROUND WITH INVERTED J-SHAPED, 12-INCH LONG REBAR OR SIMILAR STAKES. USE TWO STAKES BETWEEN POSTS.
7. ONCE FENCE CONSTRUCTION IS COMPLETE, HANG ORANGE CLOTH FLAGGING TAPE STREAMERS AROUND ENTIRE FENCE TO ALERT DEER AND OTHER WILDLIFE TO THE OBSTRUCTION. ATTACH FLAGGING IN AN UP-AND-DOWN ZIGZAG PATTERN BOTH INSIDE AND OUTSIDE OF THE FENCE.
8. INSPECT ROUTINELY AND TIGHTEN AND REPAIR AS NEEDED.

TEMPORARY DEER EXCLUSION FENCE

NOT TO SCALE



NOTE:
STUMP CUT TREE TO A HEIGHT NOT TO EXCEED 4 INCHES OR JUST ABOVE ANY PRONOUNCED ROOT FLARES

FLUSH CUT

NOT TO SCALE

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER: R. FROST
DESIGNED BY: E. MOSKALENKO
DRAWN BY: E. MOSKALENKO
CHECKED BY: M. SANTOWASSO

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

BID SET

REGISTERED LANDSCAPE ARCHITECT ELIZABETH ANN MOSKALENKO 002548-1 STATE OF NEW YORK

Hazen

HAZEN AND SAWYER
498 SEVENTH AVENUE, 11th FLOOR
NEW YORK, NEW YORK 10018

WESTCHESTER JOINT WATER WORKS
MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT
HARRISON, NY

LANDSCAPE
LANDSCAPE SCHEDULE

DATE: FEB 2025
HAZEN NO.: 90388-000
CONTRACT NO.: A1364-A
DRAWING NUMBER: L-301

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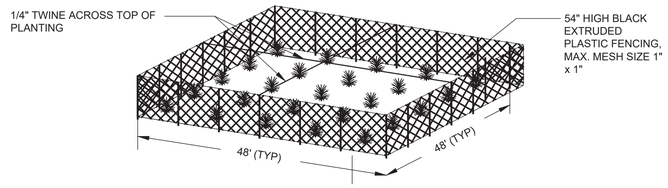
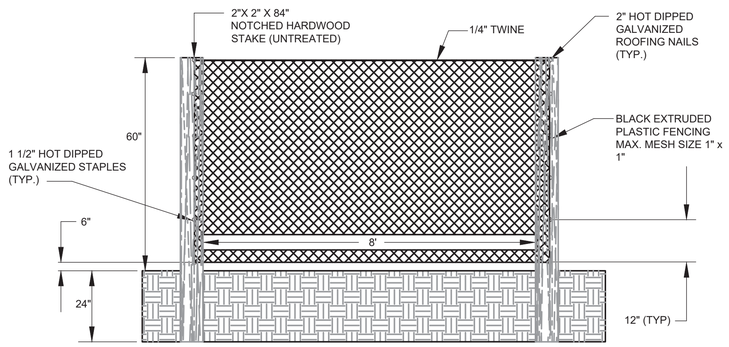
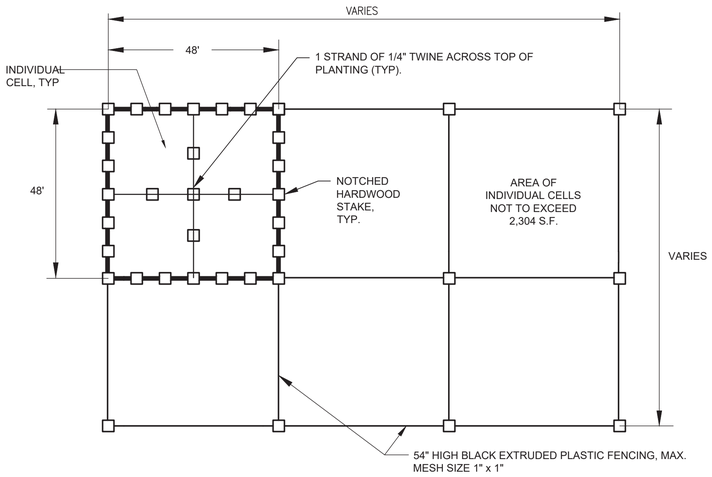


GOOSE EXCLUSION FENCE - 3D
(SECTIONS NO LARGER THAN 2,310 S.F.)



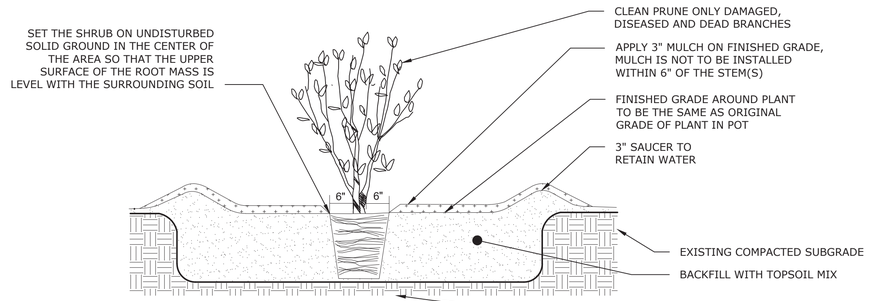
PERIMETER GOOSE EXCLUSION FENCE - SECTION VIEW



PERIMETER GOOSE EXCLUSION FENCE - PLAN VIEW

TEMPORARY GOOSE EXCLUSION FENCE DETAIL

NOT TO SCALE

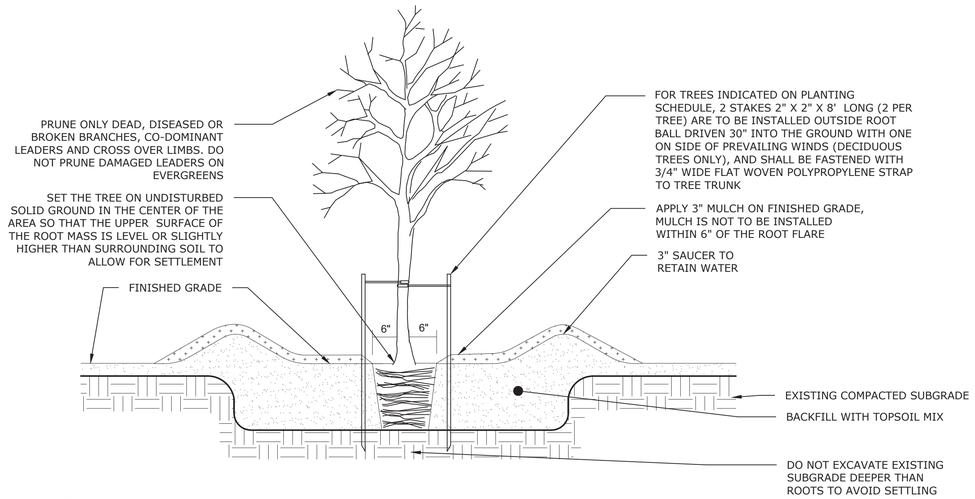


NOTES:

1. PRUNING, IF NECESSARY, SHALL BE DONE BY A CERTIFIED ARBORIST.
2. NOTIFY ENGINEER IF IMPERVIOUS OR UNACCEPTABLE NATIVE SOIL TO BE REMOVED IS ENCOUNTERED IN SHRUB PLANTING LOCATIONS.
3. ROTOTILL/CULTIVATE SOILS TO A DEPTH EQUAL TO THE DEPTH OF ROOT BALL AND TWO TIMES THE DIAMETER OF THE ROOT BALL.
2. APPLY FERTILIZER AND MYCORRHIZAL INOCULANT PER PLANTING SPECIFICATION. TAMP SOIL IN 6" LAYERS AROUND ROOT BALL AND WATER THOROUGHLY AFTER PLANTING. WATER THOROUGHLY AFTER EXCAVATION AND AFTER PLANT INSTALLATION.
3. CONTAINER: REMOVE ROOT BALL FROM CONTAINER. LOOSEN POT- BOUND, SPIRALLY-GROWING AND GIRDLING ROOTS. B&B: CAREFULLY REMOVE TOP 1/3 OF BURLAP. CUT SEVERAL SLITS IN BURLAP TO FACILITATE ROOT PENETRATION
4. REMOVE AND DISPOSE OF ALL NON-BIODEGRADABLES FROM PLANTING HOLES AND ROOT BALL.

TYPICAL SHRUB PLANTING DETAIL

NOT TO SCALE

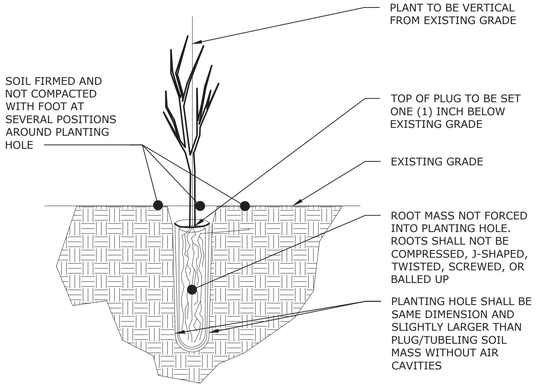


NOTES:

1. PRUNING, IF NECESSARY, SHALL BE DONE BY A CERTIFIED ARBORIST.
2. NOTIFY ENGINEER IF IMPERVIOUS OR UNACCEPTABLE NATIVE SOIL TO BE REMOVED IS ENCOUNTERED IN TREE PIT LOCATIONS.
3. ROTOTILL/CULTIVATE SOILS TO A DEPTH EQUAL TO THE DEPTH OF ROOT BALL AND TWO TIMES THE DIAMETER OF THE ROOT BALL.
4. APPLY FERTILIZER AND MYCORRHIZAL INOCULANT PER PLANTING SPECIFICATION. TAMP SOIL IN 6" LAYERS AROUND ROOT BALL AND WATER THOROUGHLY AFTER PLANTING. WATER THOROUGHLY AFTER EXCAVATION AND AFTER PLANT INSTALLATION.
5. COMPLETELY UNWRAP OR CUT GIRDLING ROOTS. DO NOT DAMAGE MAIN ROOTS OR ROOT BALL WHEN INSTALLING TREE.
6. FOR CONTAINER: REMOVE ROOT BALL FROM CONTAINER. LOOSEN POT- BOUND, SPIRALLY-GROWING ROOTS. FOR B&B: CUT TWINE AND REMOVE BURLAP AND UPPER THIRD OF WIRE BASKET TO A MINIMUM DEPTH OF 18".
7. REMOVE AND DISPOSE OF ALL NON-BIODEGRADABLES FROM PLANTING HOLES AND ROOT BALL.
8. REMOVE STAKES AFTER FIRST YEAR.

TYPICAL TREE PLANTING DETAIL

NOT TO SCALE



NOTES:

1. LOCATE THE CYLINDRICAL DIBBLE OR PLUG EXTRACTOR IN THE CENTER OF THE PLANTING SPOT, ORIENT THE TOOL VERTICALLY (STRAIGHT DOWN), AND APPLY FIRM PRESSURE ON THE FOOTSTEP SO THAT THE PLANTING TOOL PENETRATES TO THE FULL DESIGN DEPTH. THE CREATED HOLE SHALL BE WITHIN 10 DEGREES OR VERTICAL.
2. REMOVE THE PLANTING TOOL AND EXAMINE THE PLANTING HOLE. THE CREATED HOLE SHALL BE CLEAN AND CONFORM TO THE SHAPE OF THE PLUG/TUBELING DIMENSIONS. IF IT DOES NOT CONFORM TO THE REQUIRED SHAPE, INSERT THE TOOL AGAIN TO CREATE THE CORRECT DIMENSIONS. IF DIMENSION ARE STILL NOT CORRECT OR A LARGE AIR POCKET IS CREATED, THE HOLE SHALL BE ABANDONED AND A NEW PLANTING LOCATION SELECTED.
3. ONCE THE CORRECT PLANTING HOLE SIZE IS ACHIEVED, GENTLY REMOVE THE TUBELING FROM THE PLANT TRAY, PLANT CARRIER OR SHIPPING CONTAINER AND CAREFULLY REMOVE THE TREE/SHRUB FROM THE PLANT TUBE. ALTERNATELY, CAREFULLY REMOVE A PLUG FROM THE PLANTING BAG OR PLANT CARRIER.
4. APPLY FERTILIER PER PLANTING SPECIFICATION TO THE HOLE. IMMEDIATELY PLACE THE TREE/SHRUB IN THE PLANTING HOLE. THE TREES/SHRUB SHALL BE PLACED IN THE PLANTING HOLE SUCH THAT THE TOP OF THE TUBELING ROOT COLLAR OR PLUG ROOTMASS IS ONE (1) INCH BELOW THE ADJACENT SOIL ELEVATION WITH THE ROOTS ORIENTED DOWNWARD. DO NOT FORCE INTO THE PLANTING HOLE. THE ROOT SYSTEM SHALL NOT BE COMPRESSED, TWISTED, SCREWED, J-SHAPED OR BALLED UP.
5. WITH THE FOOT, SCRAPE ENOUGH SOIL FROM THE SURROUNDING AREA TO CLOSE THE PLANTING HOLE AND FULLY COVER THE PLANTING SURFACE OF THE TUBELING/PLUG TO AN ELEVATION SLIGHTLY HIGHER THAN THE ADJACENT GRADE.
6. WHILE GENTLY HOLDING THE TOP OF THE TREE/SHRUB APPLY FIRM FOOT PRESSURE IN SEVERAL DIFFERENT POSITIONS IMMEDIATELY AROUND THE TREE/SHRUB TO FIRM THE SOIL AND ELIMINATE AIR POCKETS. THE FINAL PLACEMENT SHALL RESULT IN THE TOP OF THE ROOT MASS BEING ONE (1) INCH BELOW THE SOIL SURFACE WITH THE PLANTING HOLE BEING TOTALLY CLOSED WITH FIRMED, UNCOMPACTED SOIL WITHOUT ANY AIR POCKETS.

TUBELING PLANTING DETAIL

NOT TO SCALE

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	R. FROST
DESIGNED BY:	E. MOSKALENKO
DRAWN BY:	E. MOSKALENKO
CHECKED BY:	M. SANTOWASSO

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0 — 1/2" — 1")

BID SET

REGISTERED LANDSCAPE ARCHITECT — ELISABETH ANN MOSKALENKO — 002548-1 — STATE OF NEW YORK

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HARRISON, NY

LANDSCAPE
LANDSCAPE DETAILS

DATE:	FEB 2025
HAZEN NO.:	90388-000
CONTRACT NO.:	A1364-A
DRAWING NUMBER:	L-302

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