



PLANTING SCHEDULE

	SYM.	BOTANICAL NAME	COMMON NAME	COND.	SIZE	SPACING	
	TREES: TOTAL 31 PROPOSED						
Planti.	RM	ACER RUBRUM	RED MAPLE	#5 CONT	6'-8' HT	10'-0" O.C.	
	PO	QUERCUS PALUSTRIS	PIN OAK	#5 CONT	3'-4' HT	10'-0" O.C.	
	swo	QUERCUS BICOLOR	SWAMP WHITE OAK	В & В	6'-8' HT	10'-0" O.C.	
30	SHF	SHRABS: TOTAL 81 PROPOSED					
۳	PW	SALIX DISCOLOR	PUSSY WILLOW	#5 CONT	3' - 4' HT	15'-0" O.C.	
	WB	ILEX VERTICILLATA	WINTERBERRY	#5 CONT	3' – 4' HT	15'-0" O.C.	
	HBB	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	#5 CONT	3' – 4' HT	15'-0" O.C.	
	HERBACEOUS						
	FS	CAREX VULPINOIDEA	FOX SEDGE	#2 CONT	N/A	1' O.C.	
	WG	SCIRPUS CYPERINUS	WOOL GRASS	#2 CONT	N/A	1' O.C.	

TOTAL WETLAND DISTURBANCE AREA = 10,528 SF = 0.24 ACRE MITIGATION AREA FOR WETLAND DISTURBANCE = 21,538 SF = 0.5 ACRE

LANDSCAPING NOTES:

1. QUALITY ASSURANCE

- A. NOMENCLATURE: PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. B. SIZE AND GRADING: PLANT SIZES AND GRADING SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN,
- INC. (AAN), UNLESS OTHERWISE SPECIFIED. C. NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS, PLANTS NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS. PLANTS SHALL HAVE BEEN LINED OUT IN ROWS, ANNUALLY CULTIVATED, SPRAYED, PRUNED, AND FERTILIZED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. ALL PLANTS SHALL HAVE BEEN TRANS-PLANTED OR ROOT PRUNED AT LEAST ONCE IN THE PAST 3 YEARS. BALLED AND BURLAPPED PLANTS MUST COME FROM SOIL WHICH WILL HOLD A FIRM ROOT BALL. HEELED IN PLANTS AND PLANTS FROM COLD STORAGE ARE NOT ACCEPTABLE.
- D. SUBSTITUTIONS: DO NOT MAKE SUBSTITUTIONS OF TREES AND/OR SHRUB MATERIALS. IF REQUIRED LANDSCAPE MATERIAL IS NOT OBTAIN-ABLE. SUBMIT PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF EQUIVALENT MATERIAL. WHEN AUTHORIZED, ADJUSTMENTS OF CON-TRACT AMOUNT (IF ANY) WILL BE MADE BY CHANGE ORDER. 2. SEEDING & PLANTING SEASONS AND TIMING CONDITIONS:
- A. UNLESS OTHERWISE DIRECTED IN WRITING, SEED FROM MARCH 15 TO MAY 15, AND FROM AUGUST 15 TO OCTOBER 15. B. UNLESS OTHERWISE DIRECTED IN WRITING THE PLANTING OF TREES AND SHRUBS SHALL BE FROM MARCH 15 TO JUNE 1, AND FROM SEPTEMBER 1 TO NOVEMBER 15. C. PROCEED WITH AND COMPLETE SEEDING WORK AS RAPIDLY AS PORTIONS OF THE SITE BECOME AVAILABLE. WORKING WITHIN THE
- SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK D. PROVIDE TEMPORARY ANNUAL RYEGRASS COVER FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS. 3. PRODUCTS:
- A. TOPSOIL: THE TOP 6" 12" OF ROOTSTOCK MATERIAL WILL BE TAKEN FROM WETLAND DISTURBANCE AREAS AND PLACED AS BEDDING MATERIAL IN THE PROPOSED WETLAND MITIGATION AREA. IF ADDITIONAL TOPSOIL IS NEEDED USE IMPORTED TOPSOIL AS NOTED BELOW. B. IMPORTED TOPSOIL: PLACE TOPSOIL 6" TO 8" THICK CONFORMING 1. ORIGINAL LOAM TOPSOIL, WELL DRAINED HOMOGENOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE FOREIGN MATERIAL. 2. CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLE PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105° C.

- 3. CONTAINING A pH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE. 4. CONTAINING THE FOLLOWING WASHED GRADATIONS: SIEVE DESIGNATION % PASSING
- 20 65 (OF THE 1/4" SIEVE) ŃO. 200 SUPPLEMENTAL WETLAND SEED MIX IS TO BE APPLIED TO ALL MITIGATION AREA AT 4 POUNDS OF SEED PER ACRE AND CONSIST OF THE
- NORTHEAST WETLAND DIVERSITY SEED MIX

% BY WT.	SPECIES	VARIETY
26.66% 20.80% 19.75% 8.89% 8.74% 6.65% 4.59% 2.80% 0.79% 0.21% 0.12%	EUPATORIUM PERFOLIATUM VERBENA HASTATA PANICUM DICHOTOMIFLORUM SOLIDAGO RUGOSA EUPATORIUM MACULATUM EUTHAMIA GRAMINIFOLIA POLYGONUM PENSYLVANICUM ASTER NOVAE—ANGLIAE BIDENS CERNUA ASCLEPIAS INCARNATA IRIS VERSICOLOR	BONESET BLUE VERVAIN SMOOTH PANIC—GRASS WRINKLED GOLDENROD JOE PYE WEED GRASS LEAF GOLDENROD NEW ENGLAND ASTER NODDING BEGGAR'S TICK SWAMP MILKWEED BLUE FLAG

D. LIME: NATURAL LIMESTONE CONTAINING AT LEAST 85% OF TOTAL CARBONATES, GROUND TO SUCH FINENESS THAT AT LEAST 90% PASSES A 10-MESH SIEVE AND AT LEAST 50% PASSES A 100-MESH SIEVE.

E. FERTILIZER:

- 1. FOR SPRING SEEDING: COMMERCIAL STARTER FERTILIZER, GRANULAR, NONBURNING PRODUCT CONTAINING 10% NITROGEN, 6% AVAILABLE PHOSPHORUS, AND 4% WATER SOLUBLE POTASH (10-6-4). 2. FOR FALL SEEDING: COMMERCIAL STARTER FERTILIZER, GRANULAR, NONBURNING PRODUCT, CONTAINING 5% NITROGEN, 10% AVAILABLE
- PHOSPHORUS, AND 5% WATER SOLUBLE POTASH (5-10-5). 3. FOR FINAL FERTILIZING: IF APPLIED IN SPRING SEASON, SHALL BE A SLOW RELEASE COMMERCIAL FERTILIZER, GRANULAR, WITH HIGH NITROGEN, 38%, URAMITE OR APPROVED EQUAL. IF APPLIED IN FALL SEASON, SHALL BE AS SPECIFIED IN (3.D.2) ABOVE.

F. TREES AND SHRUBS: 1. PLANTING SOIL MIXTURE: SHALL BE PREMIXED IN BULK, AND CONTAIN THE FOLLOWING BY VOLUME: 20 PARTS TOPSOIL

10 PARTS PEAT MOSS

1 PART BONE MEAL

- 2. PEAT MOSS: BROWN TO BLACK IN COLOR, WEED AND SEED FREE, DRIED SPHAGNUM PEAT MOSS, CONTAINING NOT MORE THAN 9% MINERAL ON A DRY BASIS AND CONFORMING TO NYSDOT 713-20. 3. BONE MEAL: FINELY GROUND, RAW, MINIMUM 4% NITROGEN AND 20% PHOSPHORIC ACID. IT SHALL BE DELIVERED IN SEALED BAGS SHOWING THE MANUFACTURER'S GUARANTIED ANALYSIS.
- 4. STAKES: 8 FT LONG, 2 IN WIDE WOOD STAKES. 5. HOSE: NEW, 2-PLY GARDEN HOSE NOT LESS THAN 1/2 INCH IN DIAMETER. 6. MULCH: GROUND OR SHREDDED BARK, MEDIUM SIZE FROM HARD-WOOD TREES. NO PIECES OVER 2 INCHES GREATEST DIMENSION. FREE FROM SAWDUST, STONES, DEBRIS, AND DELETERIOUS MAT-ERIALS. STANDARD OF QUALITY SHALL BE MANUFACTURED BY
- HYDE PARK PRODUCTS CO., OF NEW ROCHELLE, NEW YORK. OR APPROVED EQUAL. 7. PROVIDE COMPLETE COMMERCIAL FERTILIZER, OF NEUTRAL CHARACTER, WITH SOME ELEMENTS DERIVED FROM ORGANIC SOURCES, CONTAINING AT LEAST 10% AVAILABLE PHOSPHORIC ACID, 3% TO 5% TOTAL NITROGEN, AND 3% TO 5% SOLUBLE POTASH.

CONSTRUCTION NOTES:

- 1. ALL DISTURBED AREAS ARE TO BE REPAIRED INCLUDING BRINGING GRADES BACK TO ORIGINAL CONDITION BY IMPORTING TOPSOIL AND SUPPLYING NECESSARY SOIL AMENDMENTS PRIOR TO SEEDING AND WATERING.
- 2. THE TEMPORARY CONSTRUCTION ACCESS FOR THE WETLAND MITIGATION AREA WILL BE RESTORED TO ORIGINAL CONDITIONS UPON COMPLETION OF THE WETLAND MITIGATION.
- 3. THE TEMPORARY CONSTRUCTION ACCESS WILL BE 10 FEET WIDE. TREES AND SHRUBS WILL BE CUT TO GRADE AND STUMPS WILL REMAIN. PLANKS WILL BE USED TO ALLOW CONSTRUCTION EQUIPMENT ACCESS. THE CONSTRUCTION ACCESS AREA WILL BE RETURNED TO ORIGINAL CONDITION.

HYDROLOGY OF THE MITIGATION AREA

- THE WATER LEVEL AVAILABLE FOR THE PROPOSED WETLAND PLANTING IS BASED UPON OBSERVED EXISTING POND SURFACE ELEVATION AND MITIGATION AREA
- THE WETLAND MITIGATION AREA IS ADJACENT TO THE EXISTING WETLAND ON SITE.
- THE PROPOSED MITIGATION EFFORT IS TO REMOVE EARTH MATERIALS FROM UP-SLOPE AREAS DIRECTLY ADJACENT TO EXISTING WETLAND TO PRODUCE A LOWER SLOPE THAT WILL RETAIN WATER. IT IS EXPECTED THAT SOME AREAS WILL RECEIVE SEEPAGE FROM NEARBY SLOPES AND SURFACE AND GROUNDWATER WILL ADDITIONALLY COLLECT IN THE MITIGATION AREA IN SUFFICIENT AMOUNTS TO SUPPORT WETLAND VEGETATION.
- THE EXISTING WETLAND AND INTER-CONNECTING STREAM WILL SERVE AS A "REGENERATION NUCLEUS" FROM WHICH VEGETATIVE COVER CAN EXPAND RADIALLY BY VEGETATIVE REPRODUCTION INTO THE PROPOSED MITIGATION AREA. SINCE DIFFERENT PLANT SPECIES WITHIN THE SAME WETLAND MAY OFTEN EXHIBIT A WIDE RANGE OF MOISTURE REQUIREMENTS AND FLOODING TOLERANCES, THE PROPOSED ELEVATIONAL RANGES WILL PROVIDE A MICRO-TOPOGRAPHIC MOISTURE GRADIENT CONDUCIVE TO A HIGH SPECIES DIVERSITY.



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> REVISIONS REVISIONS

CHECKED BY 100% CONSTRUCTION

DOCUMENT SUBMISSION

JUNE 1, 2020

WETLAND DISTURBANCE AND

MITIGATION PLAN

SCALE: 1" = 50

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LEGEND **EXISTING CONDITIONS:**

_ SWALE CL ─o─ TRAFFIC SIGN STONE WALL MAILBOX FIRE HYDRANT ---- WIRE FENCE MH MANHOLE TREE LINE CATCH BASIN TREE WITH WIRE METAL PIPE FOSTED TREE REBAR _ _ APPROXIMATE 中 MONUMENT TAX MAP LINE UTILITY POLE ____UTILITY LINE

— — — — EXISTING MINOR CONTOUR

EXISTING WETLANDS AS FLAGGED

PROPOSED CONDITIONS:

171.2 ——— PROPOSED SPOT ELEVATION TC=174.8 ----BOTTOM OF CURB ELEVATIONS BC=174.3PROPOSED CATCH BASIN AND CULVERT CB20 🗀-----PROPOSED DRAINAGE MANHOLE O DMH4 PROPOSED NYLOPLAST DRAIN BASIN PROPOSED SEWER MANHOLE PROPOSED GRAVITY SEWER LINE PROPOSED FORCE MAIN PROPOSED WATER SERVICE LINE PROPOSED FENCE W/BARBED WIRE PROPOSED SILT FENCE