

# NORTHEAST PARK SWM RETROFIT AND STREAM RESTORATION **CONSTRUCTION DRAWINGS**

INSPECTION OF THE POND(S) SHOWN HEREON SHALL BE PERFORMED AT LEAST ANNUALLY, ACCORDANCE WITH THE CHECKLIST AND REQUIREMENTS CONTAINED WITHIN USDA, NRCS STANDARDS AND SPECIFICATIONS FOR PONDS (MD- 378). THE POND OWNER(S) AND ANY HERE SLICESPECIAGE OR RESIGNES SHALL BE RESPONSIBLE FOR THE SAFETY OF THE POND

#### GENERAL SITE NOTES

- TOPOGRAPHIC SURVEY PERFORMED BY BAYLAND CONSULTANTS & DESIGNERS, INC., DATED 3-28-2019

INT	NORTHING	EASTING	ELEVATION	DESCRIPTION
TPS #1	519,241.70	1,275,119.33	389.60	REBAR W/ CAP
TPS #2	519,638.49	1,274,844.50	406.92	REBAR W/ CAP
TPS #3	519,460.32	1,274,612.09	392.84	REBAR W/ CAP
TPS #4	519,263.20	1,274,766.29	380.77	REBAR W/ CAP
TPS ∯5	519,120.16	1,275,007.91	386.20	REBAR W/ CAP

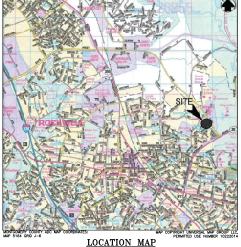
- . PROPERTY LINES SHOWN ARE BASED ON MONTGOMERY COUNTY 2014 CADASTRAL DATA.
- ONLY TREES WITH A 6" DIAMETER OR GREATER THAT ARE WITHIN THE LIMIT OF WORK WERE FIELD LOCATED.
- FEMA FIRM #24031C0334D EFFECTIVE SEPTEMBER 29TH 2006 SHOWS THAT THE PROJECT SITE IS NOT WITHIN FEMA FLOCOPLAIN LIMITS.
- ROCKS SHOWN IN PLAN VIEW AND PROFILE ARE SYMBOLIC AND DO NOT REPRESENT INDIVIDUAL STONES.
- 9. THE PROJECT SITE IS NOT LOCATED WITHIN THE CRITICAL AREA.
- 11. THE GENERAL PERMIT NUMBER FOR STORMWATER DISCHARGE FROM CONSTRUCTION ASSOCIATED ACTIVITY GREATER THAN 1 ACRE IS ME

#### GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKVILLE STANDARD SPECIFICATIONS OR DETAILS FOR CONSTRUCTION UNLESS OTHERWISE NOTED. THE STATE
  ADMINISTRATIONS HIGHWAY'S STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS AND THE BOOK OF STANDARDS FOR HIGHWAY & INCIDENTAL, STRUCTURES SHALL BE
  CITY OF ROCKWILLE STANDARD OR DETAIL EXIST.

- MECHANICAL EXCAVATION SHALL NOT BE CONDUCTED WITHIN 3 FEET HORIZONTALLY OR WITHIN 2 FEET VERTICALLY OF KNOWN UTILITY LOCATIONS. HAND OR SOFT DIGGING WITHIN THESE LIMITS. UNDERGROUND UTILITIES, ONCE UNCOVERED, SHALL BE PROTECTED FROM BEING STRUCK BY EQUIPMENT.
- . IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE SUCH WORK.
- ALL FILL AREAS SHALL BE CLEANED OF ALL VEGETATION AND DEBRIS, SCHRIFED TO A MINIMUM DEPTH OF 12 INCHES PRIOR TO THE PLACEMENT OF FILL FILL IMATERIAL SHALL BE PLACED IN CONTROLLED LIFTS WITH A MAXMAM, THICKNESS OF 12 INCHES PRIOR TO COMPACTION THAT IS CONTINUOUS OVER THE ENTIRE AREA OF FILL EACH LAYER OF FILL SHALL BE COMPACTED WITH THE MINIMUM, MARRIER OF PRIORS IN DECESSERY TO PROMOLE A FULL SHAPPION COMPACTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS TESTING INCLUDING CONCRETE, FLOWABLE FILL, HOT MIX ASPHALT AND FILL COMPACTION. ALL MATERIALS TESTING SHALL BE PERFORMED BY THE CONTRACTOR AND SHALL BE COMPENSATED FOR AS PART OF THE APPROPRIATE PAY ITEM.
- 9. SEE STANDARD GEOTECHNICAL NOTES FOR FILL COMPACTION TESTING REQUIREMENTS.
- 10 ALL DISTURBED AREAS SHALL HAVE PERMANENT OR TEMPORARY STABILIZATION COMPLETED WITH
- 11. ALL DISTURBED AREAS WITH SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH 100% BIODEGRADABLE SOIL STABILIZATION MATTING THAT HAS A SUFFICIENT DESIGN SHEAR STRESS FOR THE APPRICATION OR AS SHOWN ON THE APPROVED SEDMENT AND EROSON CONTROL PLANS.
- 13. ALL STAKING, RESTAKING, AND CUT SHEETS SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR OR PROFESSIONAL ENGINEER AT THE CONTRACTOR'S EXPENSI
- 14. ALL CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH STATE OF MARYLAND OCCUPATIONAL SAFETY LAWS.
- 15. CONTRACTOR MUST ENSURE THAT COPIES OF FEDERAL, STATE, AND CITY PERMITS ARE POSTED ON SITE PRIOR TO THE START OF ANY WORK. 16, ALL ROADS SHALL BE CLEANED AND CLEARED BY THE END OF EACH DAY, ANY MUD OR ROCKS TRACKED ON THE ROADWAYS SHALL BE SWEPT BEFORE THE END OF SHIFT EACH DAY.

## CITY OF ROCKVILLE MONTGOMERY COUNTY, MARYLAND



## LEGEND



### CITY OF ROCKVILLE GENERAL NOTES (11/16)

- 6. OW HOME MORNER PRISE ARE MORNER THROUGH FROM FLOODES, FROM 7 AM. TO 8 PM. THE CITY ORIENTES THE TRUST MORNING CHARGE WE THEN'S DRY, MARTHER THROUGH THE THROUGH AND ORIENTED THROUGH AND ORIENTED AND CHARGE WE THROUGH AND CHARGE WITH AND CHARGE WE THROUGH AND CHARGE WE AND CHARGE WE THROUGH AND CHARGE WE THROUGH THR
- THE THE STATE OF A DESCRIPTION OF THE CONTROLL OF THE STATE OF THE STA

## DESIGN AND QUANTITIES CERTIFICATION APPROVAL FOR WORK IN CITY PARKS

HEREY CENTRY THAT THE FAM HIS SEEN PREPAIR IN ACCESSIVE WITH THE FATST WARRING THROUGH ONE SECTION OF THE SECOND AND SECRET CHIEFLY THE FATST WARRING THROUGH ON SECOND THE OFFICE OF THE SET OF THE SECOND AND SECOND OF THE SET OF THE SET OF THE SECOND AND SECOND OF THE SET OF THE SECOND OF THE SE

## OWNER'S/DEVELOPER'S CERTIFICATION

OWNER/DEVELOPER SIGNATURE



USDA - NRCS MARYLAND POND CODE 378 APPROVAL

# Consultants & Designers, Inc.

7455 New Ridge Road, Suite T Phone: (410) 694-9401 Hanover, Maryland 21076 Fax: (410) 694-9405

SITE ANALYSIS

TOTAL SITE AREA:
 1.1. PROPOSED DISTURBED AREA:

DRAFTED \_\_\_\_\_JG/MW CHECKED CS

**ROCKVILLE** 

DEPARTMENT OF PUBLIC WORKS

SHEET LIST TABLE

PROFILES & DETAILS

CROSS SECTIONS

NEAL DRIVE BIORETENTION

DRAINAGE AREA MAP EROSION & SEDIMENT CONTROL PLANS EROSION & SEDIMENT CONTROL NOTES

WESLEY ROAD RIGRETENTION

21/FC-05 FOREST CONSERVATION AND PLANTING PLAN NOTES AND DETAILS

22/FC-06 FOREST CONSERAVIION AND PLANTING PLAN NOTES

4/FC-02 EXISTING CONDITIONS & NNI REMOVAL PLAN

SHEET DESCRIPTION

3 BORING LOGS

2/FC-01 TREE TABLE

COVER SHEET

DIRECTOR OF PUBLIC WORKS

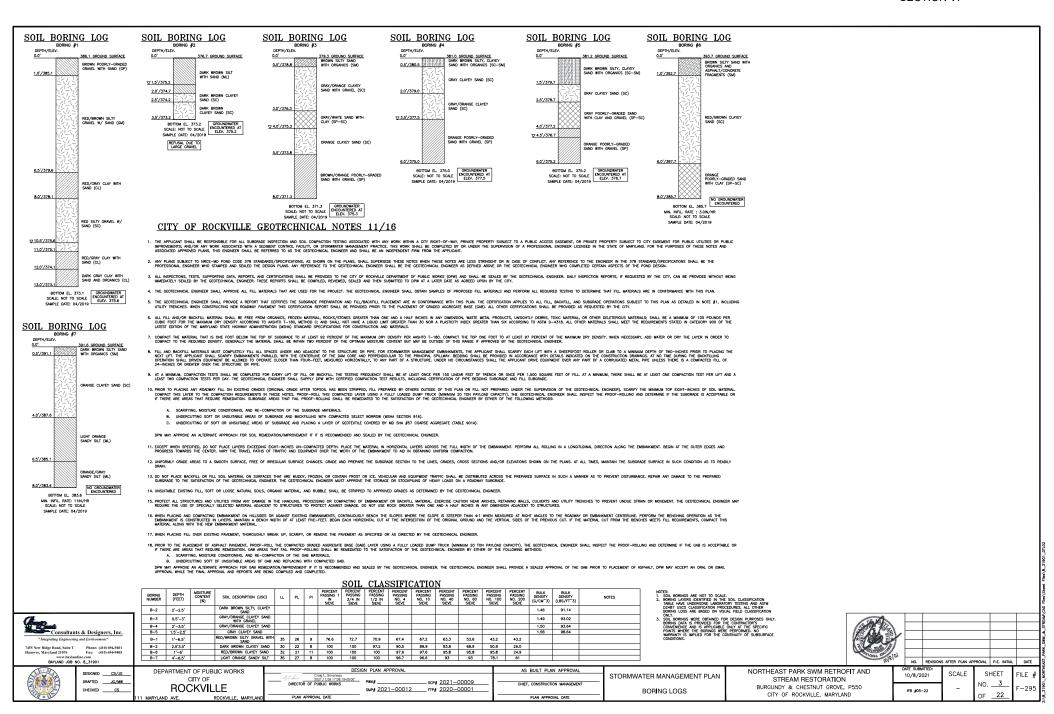
\_\_ scp# 2021-00009 SMP# 2021-00012 FTP# 2020-00001 STORMWATER MANAGEMENT PLAN COVER SHEET

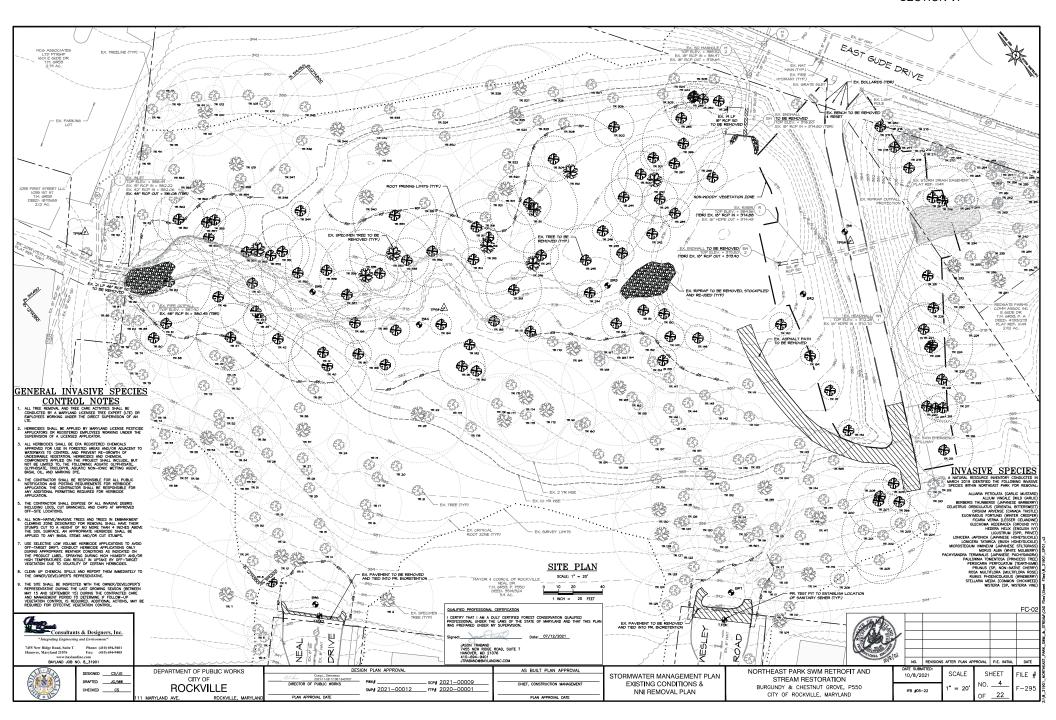
PROFESSIONAL CERTIFICATION: HEREBY CERTIFY THAT THESE

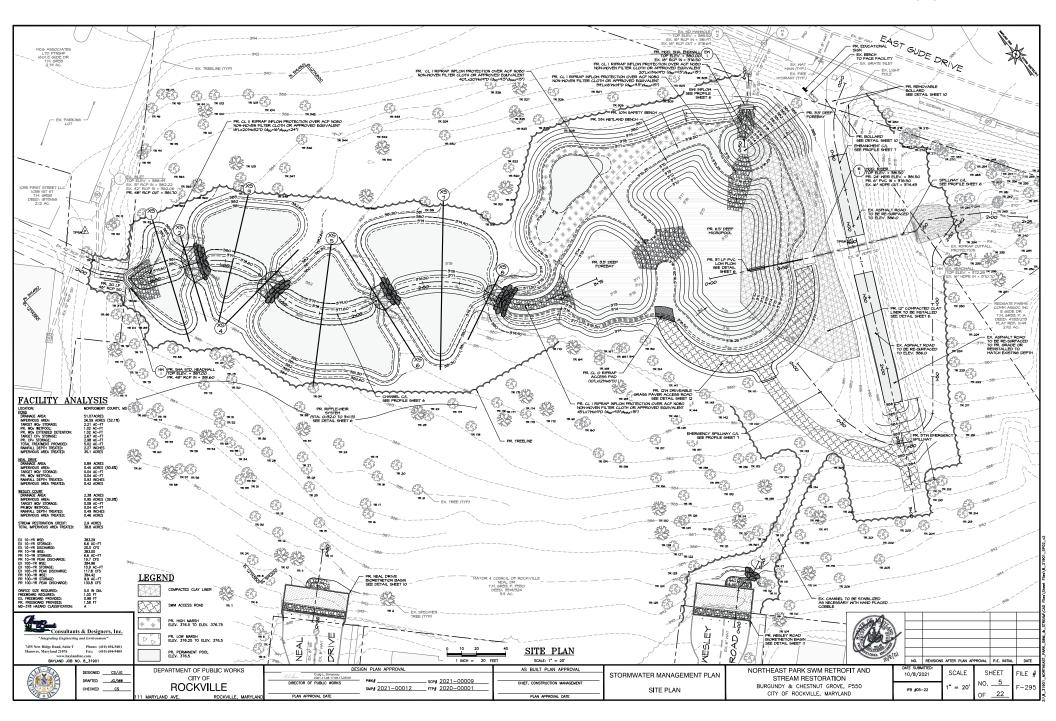
NORTHEAST PARK SWM RETROFIT AND STREAM RESTORATION BURGUNDY & CHESTNUT GROVE, P550 CITY OF ROCKVILLE, MARYLAND

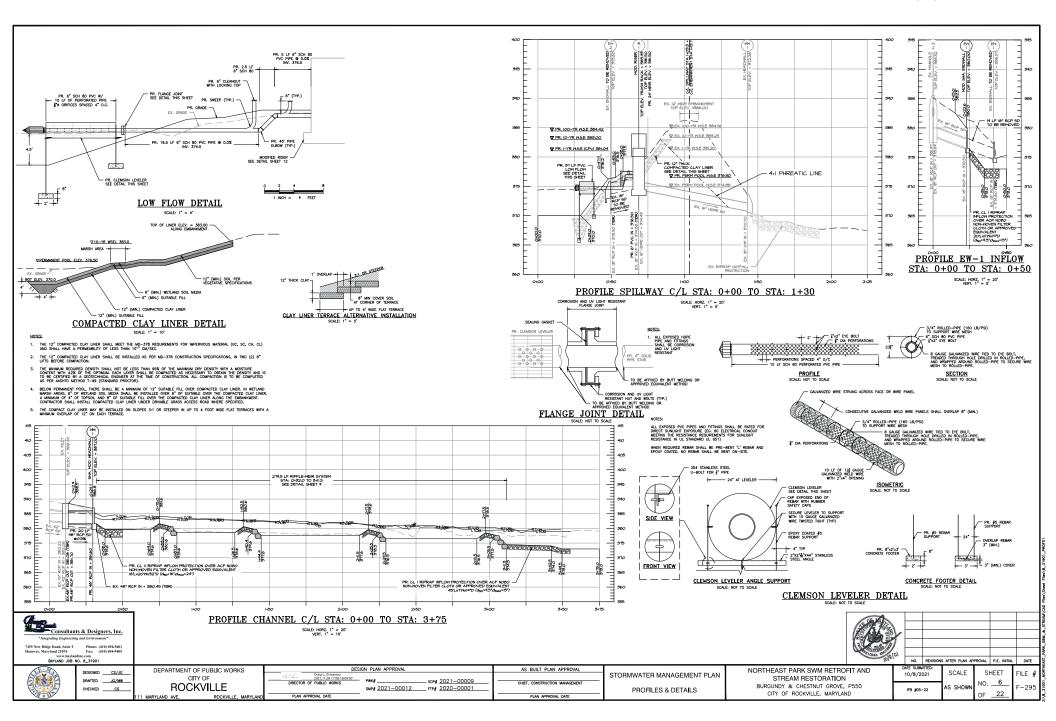
SCALE SHEET FILE # 10/8/2021 NO. \_\_1 AS SHOW

					EXISTIN	NG TRE	E SU	RVEY														
TREE DBH, IN DBH, IN (SINGLE (MULTISTEM LATIN NAME STEM) CALCULATED)		ATION REPLACMENTS SEST)	TREE (SIEM)	DBH, IN (MULTISTEM LATIN NAME CALCULATED)	COMMON NAME		Z LOCATION (IN/OUT OF FOREST)	REPLACMENTS REQUIRED	TREE NUMBER STEM)	DBH, IN (MULTISTEM CALCULATED)	LATIN NAME	COMMON NAME	CONDITION	CRZ LOCATION (IN/OUT OF FOREST)	REPLACMENTS REQUIRED	TREE (S	BH, IN DBH, IN SINGLE (MULTISTEM CALCULATED)	LATIN NAME	CONMON NAME	CONDITION ORZ (FT)	LOCATION (IN/OUT OF FOREST)	REPLACMENTS REQUIRED
TR 1 18 NA ACER RUBRUM TR 2 31 NA ACER RUBRUM TR 3 10 NA ROBINIA PSEUDOACACIA	RED MAPLE   GOOD   18   C   RED MAPLE   FAIR   31   C   BLACK LOCUST   GOOD   10	UT NA		NA QUERCUS ALBA NA NYSSA SYLVATICA NA LIRIODENDRON TULIPIFER	WHITE OAK BLACK TUPELO A TULIP POPLAR	FAIR 18 FAIR 7 GOOD 28	B IN IN IN IN IN	NA NA NA	TR 193 8 TR 194 7 TR 195 19	NA PL NA PL NA LIR	ATANUS OCCIDENTALIS ATANUS OCCIDENTALIS IODENDRON TULIPIFERA	AMERICAN SYCAMORE AMERICAN SYCAMORE TULIP POPLAR	GOOD	8 IN 7 IN 19 IN	NA NA NA	TR 289* TR 290* TR 291*		POPULUS DELTOIDES  NA  QUERCUS PHELLOS	EASTERN COTTONWOOD NA WILLOW OAK	GOOD 10 DEAD 30 GOOD 12 GOOD 13 GOOD 8	OUT OUT	6
TR 4 12 NA QUERCUS RUBRA TR 5 10 NA AGER SACCHARUM TR 6 29 NA QUERCUS RUBRA TR 7 37 NA URIDOCENDON THE INFERSA	NORTHERN RED OAK	IN NA	TR 100 30 TR 101 15 TR 102 7	NA URIODENDRON TUUPIFER		GOOD 39 GOOD 15 GOOD 7		NA NA NA	TR 196 13 TR 197 30 TR 198 11		ACER RUBRUM QUERCUS ALBA NYSSA SYLVATICA ACER SACCHARUM			13 IN 30 IN 11 IN	NA NA	TR 292* TR 293* TR 294*	13 NA 8 NA 8 NA	QUERCUS PHELLOS PLATANUS OCCIDENTALIS PLATANUS OCCIDENTALIS				0 0
TR 7 37 NA LINICOENDRON TULPIFERA TR 8 17 NA QUERCUS ALBA TR 9 7 NA MORUS ALBA TR 10 37 NA LINICOENDRON TULPIFERA	WHITE OAK G000 17	IN 0	TR 103 24 TR 104 23 TR 105 30 TR 106 36	NA NYSSA SYLVATICA NA NYSSA SYLVATICA NA LIRIODENDRON TULIPIFER	A TULIP POPLAR	GOOD 2: GOOD 2: FAIR 3:	IN IN IN	NA NA NA	TR 199 9 TR 200 15 TR 201 7 TR 202 28	l NA I	ACER SACCHARUM ACER SACCHARUM IODENDRON TULIPIFERA	SUGAR MAPLE	GOOD	9 IN 15 IN 7 IN	NA NA	TR 295* TR 296* TR 297* TR 298*	NA 24 35 NA 12 NA	ACER RUBRUM NA ULMUS AMERICANA PLATANUS OCCIDENTALIS	RED MAPLE NA AMERICAN ELM	FAIR 24 DEAD NA GOOD 12	OUT	NA 1
TR 11 30 NA LIRIODENDRON TULIPPERA TR 12 10 NA ACER RUBRUM TR 13 11 NA CARYA TOMENTOSA	TULP POPLAR GOOD 3/ TULP POPLAR FAIR 30 RED MAPLE FAIR 10 MOCKERNUT HICKORY GOOD 11	IN NA	TR 106 36 TR 107 25 TR 108 18 TR 109 35			GOOD 25 GOOD 16 GOOD 36			TR 203 7 TR 204 9 TR 205 16	l NA I	NYSSA SYLVATICA ACER RUBRUM ACER RUBRUM			28 IN 7 IN 9 IN 16 IN	NA NA NA	TR 299* TR 300* TR 301*		ULMUS AMERICANA ACER RUBRUM ULMUS AMERICANA	AMERICAN STCAMORE  AMERICAN ELM  RED MAPLE  AMERICAN ELM	FAIR 13 GOOD 16 FAIR 9	OUT	1 1
TR 14 8 NA PRUNUS SEROTINA TR 15 24 NA URICOENDRON TUUPFERA TR 16 10 NA ACER NEGUNDO	BLACK CHERRY FAIR 8 TULIP POPLAR GOOD 24 BOX FLDER GOOD 10	IN NA IN NA	TR 110 10 TR 111 12 TR 112 21	NA LIRIODENDRON TULIPIFER NA NYSSA SYLVATICA NA ACER RUBRUM	BLACK TUPELO RED MAPLE	GOOD 11 GOOD 11	) IN 2 IN 1 IN	NA NA NA	TR 206 6 TR 207* 22 TR 208* 11	NA LIRI NA LIRI	NYSSA SYLVATICA IODENDRON TULIPIFERA IODENDRON TULIPIFERA	TULIP POPLAR TULIP POPLAR	FAIR FAIR	6 IN 22 IN	NA 0 0	TR 302* TR 303 TR 304	14 NA 8 NA 24 NA	ACER RUBRUM ACER RUBRUM QUERCUS ALBA	RED MAPLE RED MAPLE WHITE OAK	GOOD 14 GOOD 8 GOOD 24	IN IN	0 NA NA
TR 17 25 NA LIBIDCENDRON TULIPIFERA TR 18 8 NA LILMUS AMERICANA TR 19 8 NA LILMUS AMERICANA	TUUP POPLAR POOR 25 AMERICAN ELM FAIR 8 AMERICAN ELM GOOD 8	IN NA IN NA IN NA	TR 113 8 TR 114 36 TR 115 10	NA ACER RUBRUM	BLACK TUPELO TULIP POPLAR RED MAPLE	FAIR 8 GOOD 34 FAIR 10	IN B IN D IN	NA NA NA	TR 209* 8 TR 210 11 TR 211 6 TR 212 14	NA PA	NYSSA SYLVATICA NYSSA SYLVATICA	PRINCESS TREE BLACK TUPELO	FAIR FAIR FAIR	8 IN 11 IN 6 IN	0 NA NA	TR 305	16 NA 7 NA 12 NA 7 NA	NA ACER RUBRUM LIRIODENDRON TULIPIFERA		DEAD NA GOOD 7 GOOD 12 GOOD 7		NA NA NA
TR 19 8 NA LIMUS AMERICANA TR 20 10 NA NA LIRIOSENDRON TULIFFERA TR 21 29 NA LIRIODENDRON TULIFFERA TR 22 26 NA LIRIODENDRON TULIFFERA TR 23 NA 33 LIRIODENDRON TULIFFERA	AMERICAN ELM GCCO 6  NA DEAD NA  TULP POPUAR PCCR 29  TULP POPUAR FAIR 26  TULP POPUAR PCCR 33	IN NA IN NA IN NA	TR 116 23 TR 117 NA TR 118 35 TR 119 7	NA LIRIODENDRON TULIPIFER 7 ACER SACCHARUM NA LIRIODENDRON TULIPIFER NA PRUNUS SEROTINA	CLICAD MADEC	GOOD 2: FAIR 7 GOOD 3:	3 IN	NA NA NA	TR 212 14 TR 213 26 TR 214 11	NA LIR	QUERCUS ALBA IODENDRON TULIPIFERA ACER RUBRUM	BLACK TUPELO WHITE OAK TULIP POPLAR RED MAPLE			NA NA	TR 308 TR 309* TR 310*	16 NA	LIRIODENDRON TULIPIFERA NYSSA SYLVATICA LIRIODENDRON TULIPIFERA LIRIODENDRON TULIPIFERA	TULIP POPLAR BLACK TUPELO TULIP POPLAR TULIP POPLAR	FAIR 16	IN IN	0 6
IN 23 NA 33 UNIDERDROW TUPPERA TR 24 8 NA PRUNUS SEROTINA TR 25 20 NA NYSSA SYLVATICA TR 26 15 NA NYSSA SYLVATICA	TUUP POPLAR POOR 33  BLACK CHERRY FAIR 8  BLACK TUPELO GOOD 20  BLACK TUPELO GOOD 15	IN NA IN NA IN NA	TR 120 6 TR 121 29 TR 122 9	NA ACER PLATANOIDES NA LIRIODENDRON TULIPIFER	MODWAY MADIE	GOOD 6 GOOD 25	IN IN IN	NA NA	TR 216 15 TR 217 24 TR 218* 10	NA .	ODENDRON TULIPIFERA QUERCUS RUBRA PRUNUS SEROTINA	RED MAPLE RED MAPLE TULIP POPLAR NORTHERN RED OAK BLACK CHERRY	GOOD	20 IN 15 IN 24 IN	NA NA	TR 312* TR 313* TR 314*	15 NA 19 NA	ACER RUBRUM ULMUS AMERICANA ULMUS AMERICANA	RED MAPLE AMERICAN ELM AMERICAN ELM	FAIR 30 FAIR 15 GOOD 19	IN I	0
TR 27 9 NA ACER RUBRUM TR 28 28 NA URICOENDRON TULIPIFERA TR 29 12 NA ACER RUBRUM	RED MAPLE POOR 9 TULIP POPLAR FAIR 28 RED MAPLE GOOD 12	IN NA IN NA IN NA	TR 123 8 TR 124 18 TR 125 24	NA NYSSA SYLVATICA NA NYSSA SYLVATICA NA LIRIODENDRON TULIPIFER	BLACK TUPELO	GOOD 18 GOOD 24	IN B IN	NA NA NA	TR 219* 8 TR 220* 23	NA LIR	ACER RUBRUM IODENDRON TULIPIFERA FAGUS GRANDIFOLIA	TULIP POPLAR  AMERICAN REFORM	GOOD GOOD	8 IN 23 IN	0 0	TR 315* TR 316* TR 317*	7 NA 10 NA	LIRIODENDRON TULIPIFERA  ULMUS AMERICANA  NYSSA SYLVATICA	TULIP POPLAR  AMERICAN ELM  BLACK TUPFLO	FAIR 33 GOOD 7 FAIR 10	IN IN	6 0
TR 30 17 NA NYSSA SYLVATICA TR 31 7 NA ACER PLATANOIDES TR 32 10 NA ACER RUBRUM	BLACK TUPELO   GOOD   17     NORWAY MAPLE   GOOD   7     RED MAPLE   GOOD   10		TR 126 7 TR 127 18	NA NYSSA SYLVATICA  NA LIRIODENDRON TULIPIFER  NA CHERCUS ALRA				NA	TR 222 8 TR 223 7	NA NA	PRUNUS SEROTINA ACER RUBRUM NA	BLACK CHERRY RED MAPLE	GOOD	8 IN 7 IN IN	NA NA NA	TR 318 TR 319 TR 320	25 NA 32 NA 7 NA	NYSSA SYLVATICA ULMUS AMERICANA	TULIP POPLAR BLACK TUPELO AMERICAN ELM	FAIR 25 GOOD 32 FAIR 7	IN IN	NA NA NA
TR 33 10 NA ACER RUBRUM TR 34 24 NA URIODENDRON TULIPIERA TR 35 16 NA LIRIODENDRON TULIPIERA	RED MAPLE GOOD 10 TUUP POPLAR GOOD 24 TUUP POPLAR GOOD 18 RED MAPLE GOOD 18	IN NA NA IN NA NA	TR 129 9 TR 130 30 TR 131 23 TR 132 21	NA URIODENDRON TULIPIFER	RED MAPLE TA TULIP POPLAR TA TULIP POPLAR	GOOD 9 GOOD 30 GOOD 20	IN I	NA NA NA	TR 225* 28 TR 226* 16 TR 227* 18	NA .	CARYA GLABRA ACER RUBRUM OUERCUS ALBA	TULIP POPLAR PIGNUT HICKORY RED MAPLE	FAIR FAIR FAIR	28 IN 16 IN 18 IN 17 IN	3 0 0	TR 321 TR 322 TR 323	NA 7 25 NA NA 25	ILEX OPACA LIRIODENDRON TULIPIFERA LIRIODENDRON TULIPIFERA LIRIODENDRON TULIPIFERA	AMERICAN HOLLY TULIP POPLAR TULIP POPLAR TULIP POPLAR	FAIR 7 GOOD 25 GOOD 25	IN IN IN	NA NA NA
TR 36 NA 16 ACER RUBRUM TR 37 31 NA URROCENDRON TULIPFERA TR 38 29 NA QUERCUS ALBA TR 39 8 NA ACER SACCHARUM	RED MAPLE   GOOD   16	IN NA	TR 132 21 TR 133 30 TR 134 9 TR 135 12	NA LIRIODENDRON TULIPIFER NA LIRIODENDRON TULIPIFER NA ACER NEGUNDO NA ULMUS AMERICANA		GOOD 2 POOR 36 GOOD 9 GOOD 11	1 IN D IN	NA NA NA	TR 228* 17 TR 229 19 TR 230 NA TR 231* 21	NA LIR	QUERCUS ALBA IODENDRON TULIPIFERA ACER RUBRUM ACER NEGUNDO	RED MAPLE WHITE OAK TULIP POPLAR RED MAPLE BOX ELDER	FAIR	17 IN 19 IN 9 IN 21 IN	NA NA 0	TR 324 TR 325 TR 326 TR 327	50 NA 13 NA 6 NA 30 NA	LIRIODENDRON TULIPIFERA LIRIODENDRON TULIPIFERA ACER SACCHARUM LIRIODENDRON TULIPIFERA	TULIP POPLAR TULIP POPLAR SUGAR MAPLE TULIP POPLAR	G000 13	I IN I	NA NA NA
TR 40* 27 NA ACER RUBRUM TR 41* 22 NA ACER RUBRUM TR 42* 17 NA ACER RUBRUM	RED MAPLE   GOOD   27     RED MAPLE   FAIR   22     RED MAPLE   FAIR   17		TR 136 11 TR 137 7 TR 138 9	NA ACER PLATANOIDES	NORWAY MAPLE BLACK CHERRY BLACK TUPELO	GOOD 1 FAIR 7 GOOD 9	I IN	NA NA NA	TR 232 30 TR 233 14 TR 234 25	NA LIRI NA LIRI	ACER RUBRUM IODENDRON TUUPIFERA	TULIP POPLAR RED MAPLE TULIP POPLAR	FAIR POOR	30 IN 14 IN 25 IN	NA NA	TR 328 TR 329 TR 330	13 NA 29 NA NA B	ACER RUBRUM NYSSA SYLVATICA ILEX OPACA	RED MAPLE BLACK TUPELO AMERICAN HOLLY			NA NA NA
TR 43* 12 NA ACER RUBRUM TR 44* 24 NA URICOENDRON TULIPIFERA TR 45* 16 NA ACER RUBRUM	RED MAPLE POOR 12 TULIP POPLAR GOOD 24  RED MAPLE FAIR 16	IN 0 IN 2	TR 139 10 TR 140 9 TR 141 7	NA ACER RUBRUM NA ACER RUBRUM NA ACER RUBRUM	RED MAPLE RED MAPLE	POOR 10 FAIR 9	OUT	NA NA	TR 235 32 TR 236 18 TR 237 35	NA LIRI NA LIRI	ACER RUBRUM IODENDRON TULIPIFERA	TULIP POPLAR RED MAPLE THE POPLAR	GOOD FAIR	32 IN 18 IN	NA NA NA	TR 331 TR 332* TR 333*	19 NA 25 NA 15 NA	LIRIODENDRON TULIPIFERA LIRIODENDRON TULIPIFERA		FAIR 19 GOOD 25 GOOD 15		NA 3 0
TR 46* 22 NA ACER RUBRUM TR 47 23 NA LINICOENDRON TULIPIFERA TR 48 41 NA LINICOENDRON TULIPIFERA	RED MAPLE FAIR 22 TUUP POPLAR GOOD 23 TUUP POPLAR GOOD 41 BLACK TUPELO FAIR 9	IN 0 IN NA IN NA	TR 142 14 TR 143 18 TR 144 25	NA LIBIODENDRON TUI IPIEER					TR 238 14 TR 239 12 TR 240 13 TR 241 8	I NA LURI	ACER RUBRUM ACER RUBRUM IODENDRON TULIPIFERA			14 IN 12 IN 13 IN	NA NA NA	TR 334* TR 335* TR 336* TR 337*	30 NA 12 NA 31 NA	LIRIODENDRON TULIPIFERA ACER RUBRUM LIRIODENDRON TULIPIFERA	TULIP POPLAR RED MAPLE			6 0 6
TR 49 9 NA NYSSA SYLVATICA TR 50 9 NA UJUUS AMERICANA TR 51 17 NA LINGOENDRON TULPIFERA TR 52 21 NA LINGOENDRON TULPIFERA	BLACK TUPELO   FAIR   9	IN NA IN NA IN NA IN NA IN NA	TR 145 24 TR 146 16 TR 147 11 TR 148* NA	NA LIRIODENDRON TULIPIFER NA LIIMUS AMFRICANA		FAIR 2- FAIR 16 GOOD 1	S OUT	NA NA NA 0	TR 241 8 TR 242 NA TR 243 13 TR 244 31	14	ACER RUBRUM ACER RUBRUM IODENDRON TULIPIFERA IODENDRON TULIPIFERA	RED MAPLE RED MAPLE TULIP POPLAR TULIP POPLAR	FAIR GOOD	8 IN 14 IN 13 IN	NA NA NA	TR 337* TR 338* TR 339* TR 340	28 NA	ACER RUBRUM LIRIODENDRON TULIPIFERA LIRIODENDRON TULIPIFERA ACER RUBRUM	RED MAPLE TULIP POPLAR TULIP POPLAR RED MAPLE	FAIR 17 GOOD 28 GOOD 29	IN IN	3 3 NA
TR 53 13 NA URICOENDRON TULIPFERA TR 54 31 NA URICOENDRON TULIPFERA TR 55 11 NA ACER RUBRUM	TULIP POPLAR G000 13 TULIP POPLAR G000 31 RED MAPLE G000 11	IN NA IN NA	TR 149* 10 TR 150* 7 TR 151* 11	NA BETULA NIGRA NA PLATANUS OCCIDENTALI NA RETULA NIGRA	S AMERICAN SYCAMORE RIVER BIRCH	E GOOD 7	OUT	0	TR 245 9 TR 246 25 TR 247 8	NA LIRI	NYSSA SYLVATICA IODENDRON TULIPIFERA NYSSA SYLVATICA	TULIP POPLAR  BLACK TUPELO	GOOD	9 IN 25 IN	NA NA NA	TR 341						NA NA NA
TR 56 21 NA URICCENDRON TULPFERA TR 57 21 NA URICCENDRON TULPFERA TR 58 34 NA URICCENDRON TULPFERA	TULIP POPLAR G000 21 TULIP POPLAR G000 21 TULIP POPLAR G000 34	IN NA	TR 152 NA TR 153* 10 TR 154 8	10 BETULA NIGRA NA ULMUS AMERICANA NA IIIMIIS AMERICANA	AMERICAN ELM	GOOD 10 GOOD 10	TUO C	0 0	TR 248 11 TR 249 13 TR 250 22	NA LIE	ACER RUBRUM PRUNUS SEROTINA	RED MAPLE BLACK CHERRY THUS BORLAS	FAIR FAIR	11 IN 13 IN	NA NA	TR 344 TR 345 TR 346		LIRIODENDRON TULPIFERA NYSSA SYLVATICA LIRIODENDRON TULPIFERA NYSSA SYLVATICA ACER RUBRUM				NA NA NA
TR 59 11 NA NYSSA SYLVATICA TR 60 11 NA ACER RUBRUM TR 61 31 NA LIRICORRON TURPFERA TR 62 29 NA QUERCUS ALBA	BLACK TUPELO G000 11  RED MAPLE G000 11  TULIP POPLAR G000 31  WHITE OAK G000 29	IN NA IN NA IN NA	TR 155 9 TR 156 27 TR 157 23	NA LIRICOENDRON TULIPIFER	BLACK TUPELO WHITE OAK A TULIP POPLAR	GOOD 9 FAIR 2 FAIR 2	1 IN 7 IN 3 IN	NA NA NA	TR 251 7 TR 252 10 TR 253 19	NA LIR	ACER RUBRUM ACER RUBRUM IODENDRON TULIPIFERA	RED MAPLE RED MAPLE TULIP POPLAR	GOOD GOOD	7 IN 10 IN 19 IN	NA NA NA	TR 347 TR 348 TR 349*	8 NA	NYSSA SYLVATICA LIRIODENDRON TULIPIFERA PRUNUS SEROTINA	BLACK TUPELO TULIP POPLAR BLACK CHERRY	FAIR 17 GOOD 8 FAIR 6	IN IN IN	NA NA 0
TR 62 29 NA QUERCUS ALBA TR 63 NA 7 ULIUS AMERICANA TR 64 17 NA PINUS STROBUS TR 65 10 NA NA	WHITE GAK	IN NA	TR 158 28 TR 159 29 TR 160 7 TR 161 7	NA URIODENDRON TUUPIFER NA URIODENDRON TUUPIFER NA NYSSA SYLVATICA NA NYSSA SYLVATICA	TA TULIP POPLAR TA TULIP POPLAR TA TULIP POPLAR BLACK TUPELO BLACK TUPELO	GOOD 21 GOOD 7	B IN D IN	NA NA NA	TR 254 8 TR 255 8 TR 256 12 TR 257 11	NA AM	ACER RUBRUM ACER RUBRUM ACER RUBRUM ACER RUBRUM	TULIP POPLAR RED MAPLE RED MAPLE RED MAPLE	GOOD GOOD GOOD	19 IN 8 IN 8 IN 12 IN	NA NA NA	TR 350* TR 351* TR 352* TR 353*		LIRIODENDRON TULIPIFERA LIRIODENDRON TULIPIFERA NYSSA SYLVATICA LIRIODENDRON TULIPIFERA	BLACK CHERRY TULIP POPLAR TULIP POPLAR BLACK TUPELO TULIP POPLAR	G00D 25 FAIR 19 G00D 6	IN IN	0 0
TR 66 9 NA ULMUS AMERICANA TR 67 11 NA ACER RUBRUM TR 68 12 NA NYSSA SYLVATICA	AMERICAN ELM FAIR 9  RED MAPLE 0000 11  BLACK TUPPLO 0000 12	IN NA IN NA IN NA	TR 162 16 TR 163 40 TR 164 6	NA LIRIODENDRON TULIPIFER NA LIRIODENDRON TULIPIFER NA LIMIUS AMFRICANA	A TULIP POPLAR  AMERICAN FI M	G00D 44	D IN	NA NA	TR 258 6 TR 259 11 TR 260 NA	NA NA NA	ACER RUBRUM NA ACER RUBRUM	RED MAPLE  NA  RED MAPLE		6 IN NA IN 15 IN 17 IN	NA NA NA	TR 355* TR 355* TR 356*						0
TR 69 11 NA NYSSA SYLVATICA TR 70 55 NA LIRICOENDRON TULPIFERA TR 71 10 NA ACER RUBRUM	BLACK TUPELO G000 11 TULIP POPLAR G000 55 RED MAPLE G000 10	IN NA IN NA	TR 165 9 TR 166* NA TR 167 8	NA ULMUS AMERICANA  10 BETULA NIGRA  NA ULMUS AMERICANA	AMERICAN ELM RIVER BIRCH AMERICAN ELM	GOOD 10	OUT	NA 0 NA	TR 261 17 TR 262 12 TR 263 7	NA LIRI NA LIRI	IODENDRON TULIPIFERA IODENDRON TULIPIFERA ACER RUBRUM	TULIP POPLAR TULIP POPLAR RED MAPLE	GOOD	12 IN 7 IN	NA NA NA	TR 357* TR 358 TR 359		NYSSA SYLVATICA  NYSSA SYLVATICA  ACER RUBRUM  LIRICOENDRON TULIPIFERA  LIRICOENDRON TULIPIFERA  ULMUS AMERICANA				NA NA
TR 72 7 NA ULMUS AMERICANA TR 73 7 NA ACER PLATANCIDES TR 74 16 NA UNICOENDRON TULIPIFERA	AMERICAN ELM G000 7  NORWAY MAPLE G000 7  TULIP POPLAR G000 16  BLACK TUPELO G000 9	IN NA NA IN NA NA	TR 168 6 TR 169 31 TR 170 7	NA ULMUS AMERICANA NA ACER RUBRUM NA ULMUS AMERICANA	AMERICAN ELM RED MAPLE AMERICAN ELM				TR 264 25 TR 265 8 TR 266* 24 TR 267* 7	NA.	ODENDRON TULIPIFERA ACER RUBRUM IODENDRON TULIPIFERA	TULIP POPLAR RED MAPLE TULIP POPLAR	FAIR GOOD GOOD	25 IN 8 IN 24 IN	NA NA 2	TR 360 TR 361* TR 362	39 NA 18 NA 12 NA	LIRIODENDRON TULIPIFERA NYSSA SYLVATICA NYSSA SYLVATICA	BLACK TUPELO	GOOD 39 FAIR 18 FAIR 12 FAIR 11	IN IN IN	NA 0 NA
TR 75 9 NA NYSSA SYLVATICA TR 76 13 NA PRINIUS SIROTINA TR 77 NA 33 ACER RUBRUM TR 78 17 NA ACER RUBRUM	BLACK TUPELO   GOOD   9		TR 171* 7 TR 172 34 TR 173 27 TR 174 33	NA ULMUS AMERICANA  NA URIODENDRON TULIPIFER  NA URIODENDRON TULIPIFER  NA URIODENDRON TULIPIFER	A TULIP POPLAR	GOOD 7 GOOD 3- FAIR 2	IN IN IN	NA NA NA	TR 267* 7 TR 268 9 TR 269 NA TR 270 11	l NA I	PRUNUS SEROTINA JUGLANS NIGRA ACER NEGUNDO NA	BLACK CHERRY BLACK WALNUT BOX ELDER NA	GOOD GOOD	7 IN 9 IN 13 IN NA IN	NA NA NA	TR 365	11 NA 14 NA 7 NA	NYSSA SYLVATICA ACER RUBRUM PLATANUS OCCIDENTALIS NYSSA SYLVATICA	RED MAPLE AMERICAN SYCAMORE	FAIR 14	IN IN	NA NA NA
TR 79 13 NA NYSSA SYLVATICA TR 80* 9 NA ACER PLATANCIDES TR 81* 22 NA ACER RUBRUM	BLACK TUPELO GOOD 13 NORWAY MAPLE GOOD 9 RED MAPLE FAIR 22	IN NA IN O	TR 175 6	NA ULMUS AMERICANA	AMERICAN ELM TULIP POPLAR	FAIR 18	IN 3 IN 2 IN	NA NA	TR 271 6 TR 272 16 TR 273* 13		NA ACER RUBRUM JUGLANS NIGRA	RED MAPLE	FAIR FAIR	NA IN 16 IN	NA NA	TR 367	13 NA OVED DUE TO SITE MOVED DUE TO MD-	PRUNUS SEROTINA IMPACTS	BLACK CHERRY	G00D 13	IN IN	NA NA
TR 82* 29 NA ACER RUBRUM TR 83 8 NA ACER RUBRUM TR 84 22 NA NA	RED MAPLE   GOOD   29	IN 3 IN NA	TR 177 32 TR 178 13 TR 179 8 TR 180* 6	NA PRUNUS SP.	BLACK TUPELO PRUNUS SP.	FAIR 8	A IN IN IN IN	NA NA 0	TR 274 NA TR 275 9 TR 276 29	NA RO	ACER RUBRUM ACER RUBRUM DBINIA PSEUDOACACIA	RED MAPLE RED MAPLE BLACK LOCUST	FAIR GOOD	9 IN 9 IN	NA NA	TO BE KEN	WOVED DOE TO MID-	-576 RESOLUTIONS				
TR 85 9 NA NYSSA SYLVATICA TR 86 7 NA ACER SACCHARUM TR 87 16 NA NYSSA SYLVATICA	BLACK TUPELO FAIR 9  SUGAR MAPLE GOOD 7  BLACK TUPELO POOR 16  TULIP POPLAR FAIR 20	IN NA IN NA IN NA	TR 181 16 TR 182* 28 TR 183* 6 TR 184* 7	NA NA	NA AMERICAN ELM	POOR 14 DEAD N. FAIR 6 GOOD 7	4 IN	NA NA 0	TR 277 NA TR 278* 15 TR 279* 9 TR 280 10	NA RO	ACER NEGUNDO DBINIA PSEUDOACACIA JUGLANS NIGRA ACER NEGUNDO	BOX ELDER BLACK LOCUST BLACK WALNUT BOX ELDER	GOOD FAIR FAIR	8 OUT 15 OUT 9 OUT 10 OUT	NA 1 0							101
TR 88 20 NA LINICOENDRON TULPIFERA TR 89 18 NA LINICOENDRON TULPIFERA TR 90 NA 8 PRINIS SEROTINA TR 91 8 NA LINICOENDRON TULPIFERA	TUUP POPLAR FAIR 20 TUUP POPLAR GOOD 18 0 BLACK CHERRY FAIR 8 0 TUUP POPLAR GOOD 8 0		TR 184* 7 TR 185* 10 TR 186* 7 TR 187* 9	NA ULMUS AMERICANA NA ULMUS AMERICANA	PRUNUS SP. AMERICAN ELM AMERICAN ELM SUGAR MAPLE	FAIR 10 FAIR 7 FAIR 9	) IN	0	TR 280 10 TR 281* 9 TR 282* 27 TR 283* 7		ACER NEGUNDO ACER RUBRUM IODENDRON TULIPIFERA ACER SACCHARUM	RED MAPLE TULIP POPLAR SUGAR MAPLE	FAIR	9 OUT 27 IN 7 IN	0 3				D PROFESSIONAL CERT		CONSERVATION	QUALIFIED 9
TR 92 NA 28 NYSSA SYLVATION TR 93 NA 21 ACER RUBRUM TR 94 23 NA ROBINA PSEUDOACACIA	BLACK TUPELO FAIR 28 RED MAPLE FAIR 21 BLACK LOCUST POOR NA	IN NA IN NA IN NA	TR 188* 14 TR 189** 7 TR 190** 8	NA ACER RUBRUM NA PLATANUS OCCIDENTALI NA SALIX NIGRA	RED MAPLE S AMERICAN SYCAMORE BLACK WILLOW	FAIR 14 E GOOD 7	IN OUT	0 0	TR 284* 9 TR 285* 7 TR 286* NA	NA LIRI NA 28	PRUNUS SP. ACER RUBRUM	TULIP POPLAR PRUNUS SP.	GOOD GOOD FAIR	9 IN 7 OUT	0 0 3			PROFES WAS PR	Y THAT I AM A DULY O BONAL UNDER THE LAW EPARED UNDER MY SUF	0	07/12/202	të.
TR 96 18 NA NYSSA SYLVATICA TR 96 11 NA ULMUS AMERICANA	BLACK TUPELO FAIR 18 AMERICAN ELM FAIR 11	IN NA	TR 191** 6 TR 192** 7	NA PLATANUS OCCIDENTALI NA PLATANUS OCCIDENTALI	S AMERICAN SYCAMORE S AMERICAN SYCAMORE	E GOOD 6	OUT	0	TR 287* 23 TR 288* NA	NA 10	NA SALIX NIGRA	NA NA	DEAD	NA OUT 10 OUT	0			Signed:_	ASON TRABAND 1455 NEW RIDGE ROAD, 14NOVER, MD 21076 110-694-9401 TRABAND@BAYLANDING.C			Tles\Shee
(km	1																	OF Pro	10-694-9401 TRABAND®BAYLANDING.	сом		FC-01 8
Consultants & Designers, Inc.																						N. A. STR
7455 New Ridge Road, Suite T Phone: (410) 694-9401 Hanover, Maryland 21076 www.baylandinc.com BAYAMD JOB NO. 8_31901																		OMAL TO				PARK
BAYLAND JOB NO. 8_31901  DESIGNEDCS/JG	DEPARTMENT OF PUBLIC V	VORKS	271 0	DESIGN PLAN A	APPROVAL			A	BUILT PLAN APPR	ROVAL	STOPM/A/A	TER MANAGEM	MENIT DI A	л I			WM RETRO		NO. REVISION DATE SUBMITTED: 10/8/2021	S AFTER PLAN APP	ROVAL P.E. SHEE	INITIAL DATE SYNTHEM
DRAFTED JG/MN CHECKED CS	ROCKVILLE		DIRECTOR OF F	SMP# 200	sc 21-00012 FT	cp# <u>2021−00</u> rp# <u>2020−00</u>	009	CHIE	F, CONSTRUCTION MANAGE			TREE TABLE	MEINT FEM		BURGUNE	DY & CHEST	STORATION INUT GROVE, LLE, MARYLAN	P550	IFB #05-22	-	NO2	F-295
4.00	111 MARYLAND AVE. ROCK	/ILLE, MARYLAND	PLAN APPROV	AL DATE					PLAN APPROVAL DATE		1				OIII	o. NOONVII	LLL, MICH LAN				UF _2	⋍ٮ┸┛╬









### MD-378 CONSTRUCTION SPECIFICATIONS

THESE SPECIFICATIONS ARE APPROPRIATE TO ALL PONDS WITHIN THE SCOPE OF THE STANDARD FOR PRACTICE MO-378. ALL REFERENCES TO ASTM AND AMSHTO SPECIFICATIONS APPLY TO THE MOST RECENT VERSION. SITE PREPARATION

BOOTEL ADJOINT TO PRES OF STRICTURES SHALL BE OF THE TYPE AND CHAPTY COMPONING TO THAT SPECIFIED FOR THE ADDORNING THAL MATERIAL, THE TALL SHALL BE PLACED IN HORDINGAL MATERIAL TO THE DESTROY THAT SHALL BE PLACED IN THE ADDRESS OF CHAPTER OF CHAPTER MALLY DESTRICT COMPONENT. THE MATERIAL RESERVED THAT CHAPTER THAT SHALL BEEN EXCLUDED TO CONCRETE THAT CHAPTER THAT SHALL BEEN THAT SHALL BEEN EXCLUDED TO CONCRETE THAT CHAPTER THAT SHALL BEEN EXCLUDED TO CONCRETE THAT CHAPTER THAT SHALL BEEN EXCLUDED TO CHAPTER THAT SHALL BE ADDITIONAL OF THE SHALL BEEN EXCLUDED TO CHAPTER THAT SHALL BE ADDITIONAL OF THE SHALL BEEN EXCLUDED TO CHAPTER THAT SHALL BE ADDITIONAL OF THE SHALL BEEN EXCLUDED TO CHAPTER THAT SHALL BE ADDITIONAL OF THE SHALL

CORRUGATED METAL PIPE ALL OF THE FOLLOWING CRITERIA SHALL APPLY FOR CORRUGATED METAL PIPE:

. MATERIALS (POLYMER CONTED STEEL PIPE) STEEL PIPES WITH POLYMERIC COATINGS SHALL HAVE A MINIMUM COATING THICKNESS OF 0.01 INCH (10 MIL) ON BOTH SIDES OF THE PIPE. THIS PIPE AND ITS APPURITEMANCES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO SPECIFICATIONS M-245 & M-246 WITH WATERTIGHT COUPLING BANDS OR FLANCES.

MITERIALS (ALIMINAL PEP). THIS PIPE AND ITS APPLICATION SHEET CHICAGON TO THE REQUIREMENTS OF ASHTO EPECIPATION N=96 OR N=211 WITH WRITERION COLPRING BANCS OF FLANCES, ALIMINAL PIPE, WEND LEED WITH FLOWARE FLIL OR WICH 20, AMAYOR WATER CONCIDENCE WARRANT FOR INCRESSED DUMBRILTY, SHALL BE LIVED WITH THE PROPERTY OF THE REPORT OF THE PROPERTY OF A WARRANT FOR INCRESSED DUMBRILTY, SHALL BE LIVED WITH A LIMINAL SHEETENESS THAT ARE TO BE IN CONTROLL FOR CONTROLL FOR ANY THE PROPERTY OF THE SURROUNDING SOLIS WITH OR USED FOR CONNECTIONS, THE PH OF THE SURROUNDING SOLIS WAS BELIEVED FOR CONNECTIONS. THE PH OF THE SURROUNDING SOLIS WAS BELIEVED FOR CONNECTIONS. THE PH OF THE SURROUNDING SOLIS WAS BELIEVED FOR CONNECTIONS.

2. COUPLING BANDS, ANTI-SEEP COLLARS, END SECTIONS, ETC., MUST BE COMPOSED OF THE SAME MATERIAL AND COATINGS AS THE PIPE. METALS MUST BE INSULATED FROM DISSIMILAR MATERIALS WITH USE OF RUBBER OR PLASTIC INSULATING MATERIALS AT LEAST 24 MILS IN THICKNESS.

HELICALLY CORRUGATED PIPE SHALL HAVE EITHER CONTINUOUSLY WELDED SEAMS OR HAVE LOCK SEAMS WITH INTERNAL CAULKING OR A NEOPRENE BEAD.

BEDDING THE PIPE SHALL BE FIRMLY AND UNIFORMLY BEDDED THROUGHOUT ITS ENTIRE LENGTH. WHERE ROCK OR SOFT, SPONGY OR OTHER UNSTABLE SOIL IS ENCOUNTERED, ALL SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE EARTH COMPACTED TO PROVIDE ADEQUATE SUPPORT.

REINFORCED CONCRETE PIPE - ALL OF THE FOLLOWING CRITERIA SHALL APPLY FOR REINFORCED CONCRETE PIPE:

1. MATERIALS REINFORCED CONCRETE PIPE SHALL HAVE BELL AND SPIGOT JOINTS WITH RUBBER GASKETS AND SHALL EQUAL OR EXCEED ASTM C-361.



5. OTHER DETAILS (ANTI-SEEP COLLARS, VALVES, ETC.) SHALL BE AS SHOWN ON THE DRAWINGS.

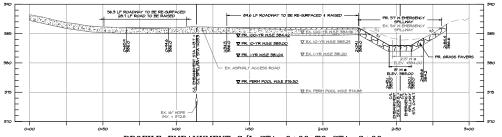
PLASTIC PIPE - THE FOLLOWING CRITERIA SHALL APPLY FOR PLASTIC PIPE:

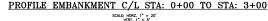
1. MATERNALS PVC PPE SHALL BE PVC-1120 OF PVC-1220 CONFORMING TO ASTM D1785 OF ASTM D-2241, CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) PPE, COUPLINGS AND FITTINGS SHALL COMPONENT OT THE COLUMNIS; 4'10' NICH PPE SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENT OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENTS OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENT OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENT OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENT OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL MEET THE REQUIREMENT OF ASSHTO M252 TYPE S, AND 12'THROUGH 24' NICH SHALL M252 TYPE S, AND 12'THROUGH 25'THROUGH 2

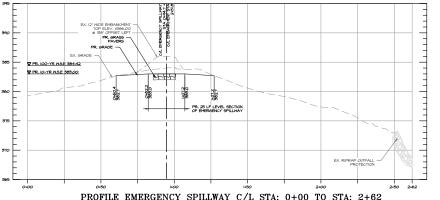
5. OTHER DETAILS (ANTI-SEEP COLLARS, VALVES, ETC.) SHALL BE AS SHOWN ON THE DRAWINGS.

ALL BORROW AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND LET! IN A SIGHTLY CONDITION, ALL EXPOSED SURFACES OF THE EMBANKMENT, SPILLWAY, SPOIL AND BORROW AREAS, AND BETWAS SHALL BE STABLEZED BY SEEDING, LUMING, FERTILEZED AND AND HIGHER IN ACCORDANCE WITH THE MUTURAL RESOURCES CONSERVATION SERVICE STRANGAGES AND SEPTION SPECIATIONS FOR CRITICAL AREA PLANTING (UD-3/22) OR AS SHOWN ON THE ACCOMPANING PRIMISES.

CONSTRUCTION OPERATIONS WILL BE CARRIED OUT IN SUCH A MANNER THAT EROSION WILL BE CONTROLLED AND WATER AND AIR POLLUTION MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT WILL BE FOLLOWED. CONSTRUCTION PLANS SHALL DETAIL EROSION AND SEDMENT CONTROL MEASURES.







PROFILE EMERGENCY SPILLWAY C/L STA: 0+00 TO STA: 2+62

SCALE: HORZ. 1" = 20" AS BUILT PLAN APPROVAL STORMWATER MANAGEMENT PLAN PROFILES & NOTES

NORTHEAST PARK SWM RETROEIT AND STREAM RESTORATION BURGUNDY & CHESTNUT GROVE, P550 CITY OF ROCKVILLE, MARYLAND

SCALE SHEET 10/8/2021 FILE # NO. \_\_7\_ F-295 🖁 AS SHOWN IFB #05-22

DESIGNED CS/JG

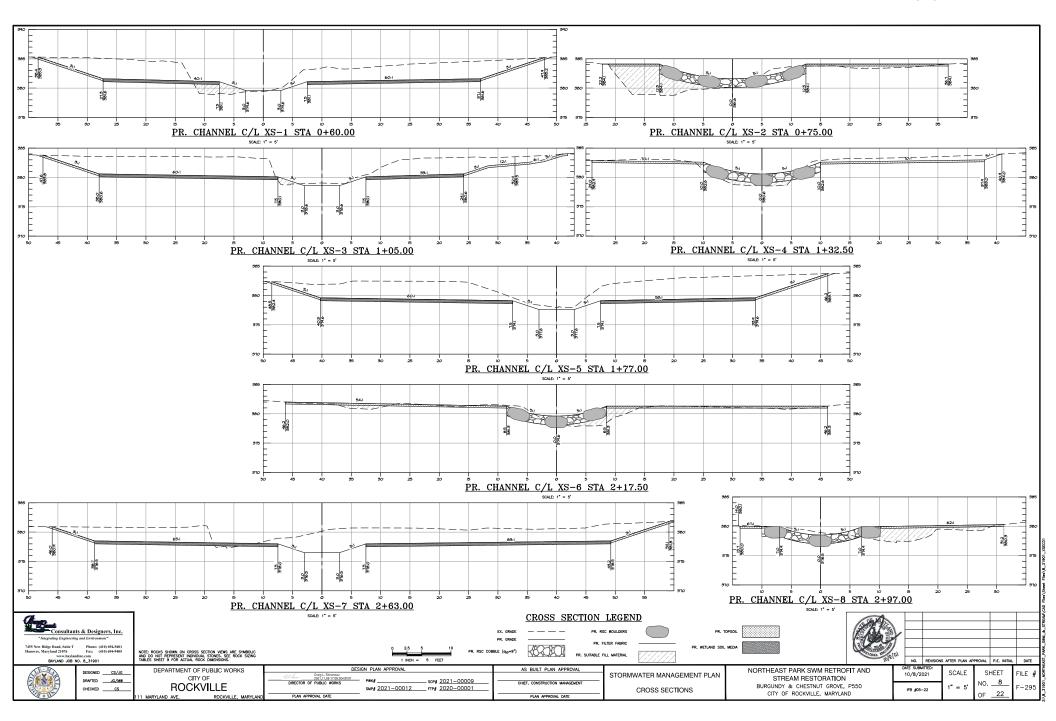
DRAFTED \_\_\_\_\_JG/MW CHECKED CS

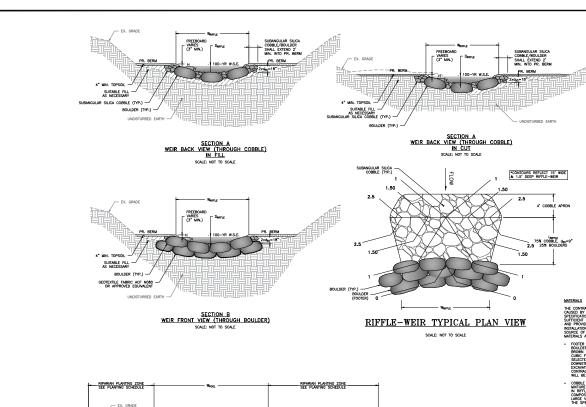
DEPARTMENT OF PUBLIC WORKS CITY OF **ROCKVILLE** 

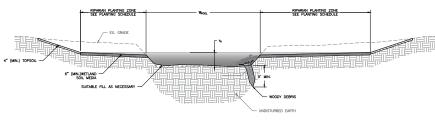
DIRECTOR OF PUBLIC WORKS

SMP# 2021-00012 FTP# 2020-00001

\_\_ scp# 2021-00009







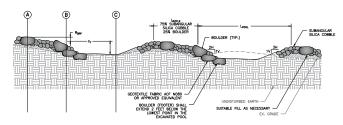
TYPICAL RIFFLE-WEIR SECTIONS

### RIFFLE-WEIR DATA TABLE

	PR. REGENERATIVE STORMMATER CONVEYANCE SYSTEM (RSC) FROM STA: 0+32.0 TO 3+11.5
L <sub>REFILE</sub> (RIFFLE LENGTH)	12 FT.
L <sub>PCOL</sub> (PCOL LENGTH)	VARIES - SEE PROFILE
hy (POOL DEPTH)	2.0 FT.
W <sub>POOL</sub> (POOL WIDTH)	VARIES - SEE SECTIONS
W <sub>REFLE</sub> (RIFFLE WIDTH)	VARIES - SEE SECTIONS
D <sub>RIFFLE</sub> (RIFFLE DEPTH)	VARIES - SEE PROFILE
Pomp (DROP ACROSS RIFFLE)	VARIES - SEE PROFILE
H:V (RIFFLE SIDE SLOPE)	5H:1V

## RIFFLE-WEIR ROCK SIZE TABLE

ROCK SIZE TABLE								
ROCK TYPE	ROCK SIZE	% MD:						
SUBANGULAR SILICA COBBLE	D50 = 9" MIN. = 6", MAX. = 12"	-						
	GREATER THAN 6'X2'X2'	10						
BOULDERS	3'X2'X1.25' TO 6'X3'X2'	80						
	LESS THAN 3'X2'X1.25'	10						



RIFFLE/POOL TYPICAL PROFILE

### RIFFLE-WEIR CONSTRUCTION SPECIFICATIONS

- STONE CLASSIFICATION
  STONE DENSITY (LE., WEIGHT PER CUBIC FOOT)
  WEIGHT OF STONE BEING SUPPLIED.
  STONE QUALITY SHALL MEET ALL OF THE ABOVE SPECIFICATIONS.
- COBBLE THE CONTRACTOR SHALL OBTAIN COBBLE SAMPLES FROM THE QUARRY AND SUBMIT TO THE CITY THE SAMPLES AND A CERTIFICATE VERIFYING THE FOLLOWING COBBLE INFORMATION:
- WEIGHT OF STONE BEING SUPPLIED.
  STONE QUALITY SHALL MEET ALL OF THE ABOVE SPECIFICATIONS.
- TOPSOIL THE CONTRACTOR SHALL OBTAIN A TOPSOIL SAMPLE AND SUBMIT TO THE CITY FOR APPROVAL THE SAMPLE AND CERTIFICATE WITH THE SOURCE AND SPECIFICATIONS OF THE COMPOST.

CONTINUE THE PROCESS OF ALTERNATING POOLS AND RIFFLES/WEIRS DOWN THROUGH THE SYSTEM TO THE SWM POND 

BLOW TOPSOIL OVER THE TOPS OF THE WEIRS AND BERMS. COMPOST SHALL NOT BE BLOWN OVER TEMPORARLY DISTURBED WETUNNES. COMPLETE FINAL STABILIZATION AND PERMANENT SEEDING AS INDICATED IN THESE CONSTRUCTION



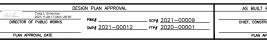
www.buylar BAYLAND JOB	
	DESIGNEDCS_/JG

В	10. 8_31901		
	DESIGNED	CS/JG	
	DRAFTED	JG/MW	
	CHECKED	cs	ı
			11







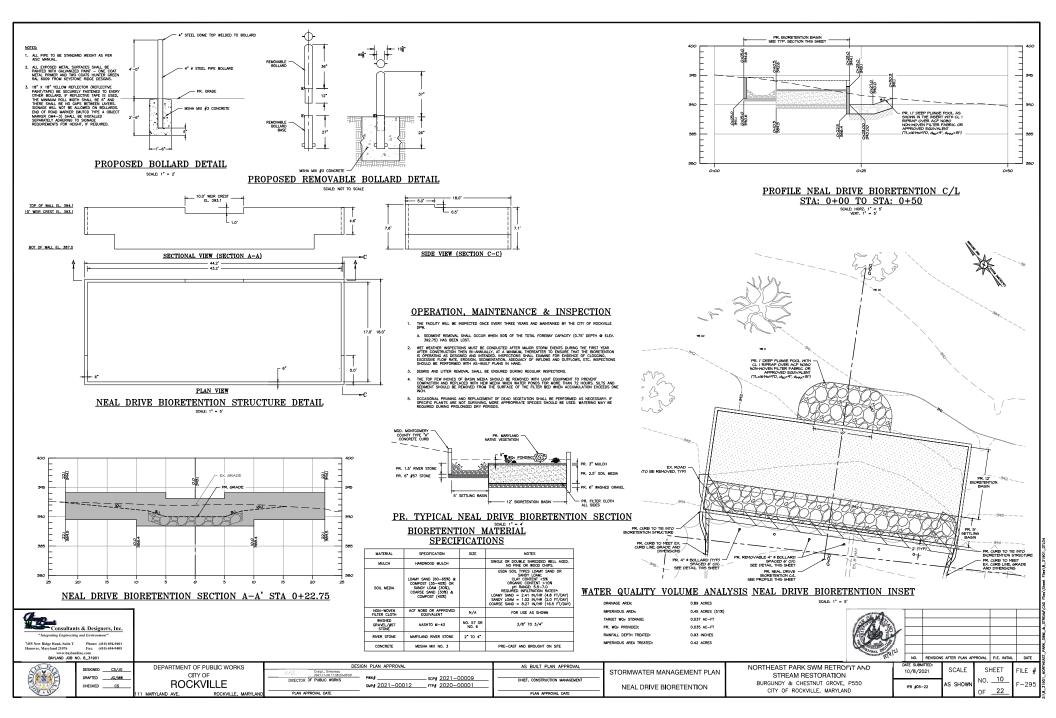


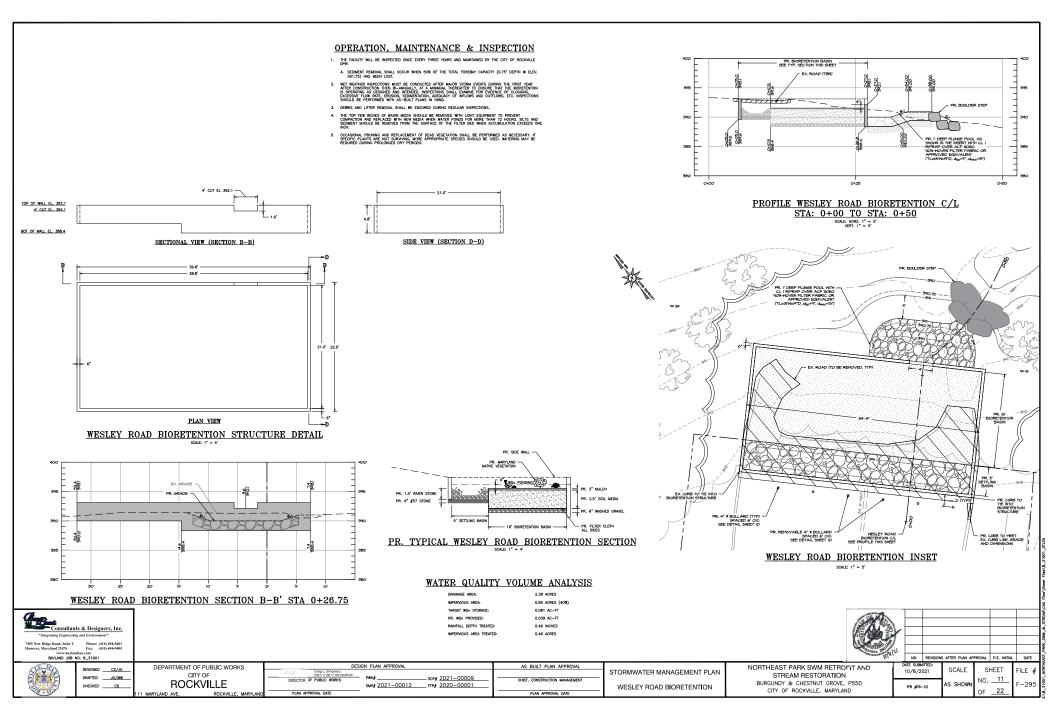
STORMWATER MANAGEMENT PLAN RSC DETAILS & NOTES

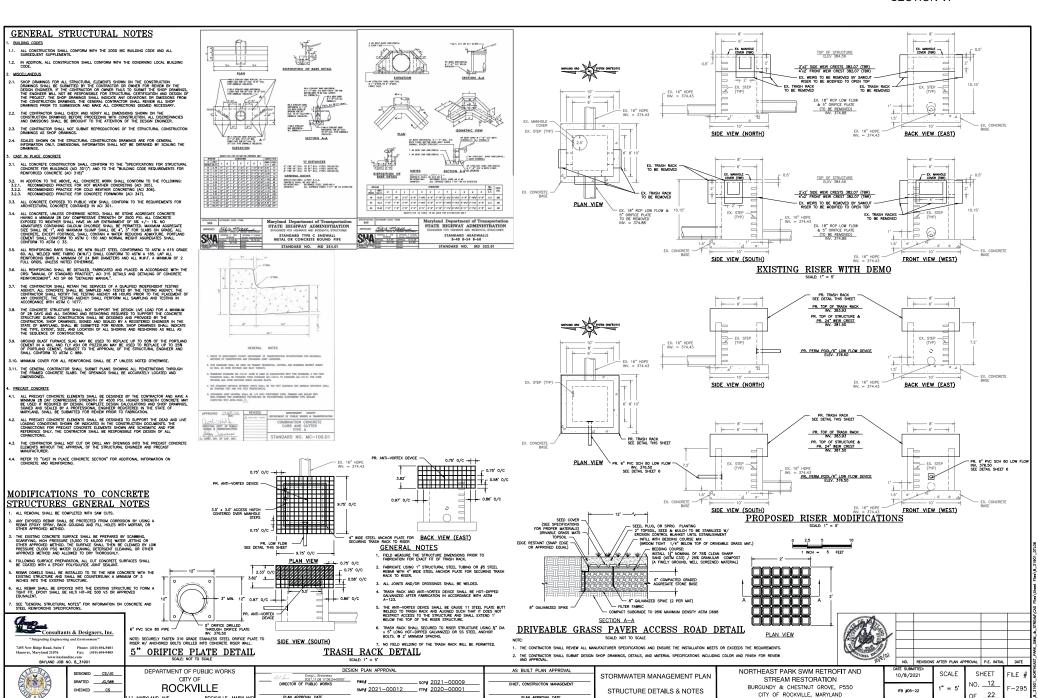
NORTHEAST PARK SWM RETROFIT AND STREAM RESTORATION BURGUNDY & CHESTNUT GROVE, P550 CITY OF ROCKVILLE, MARYLAND

SCALE SHEET FILE # 10/8/2021 NO. \_\_9 AS SHOW -295 IFB #05-22

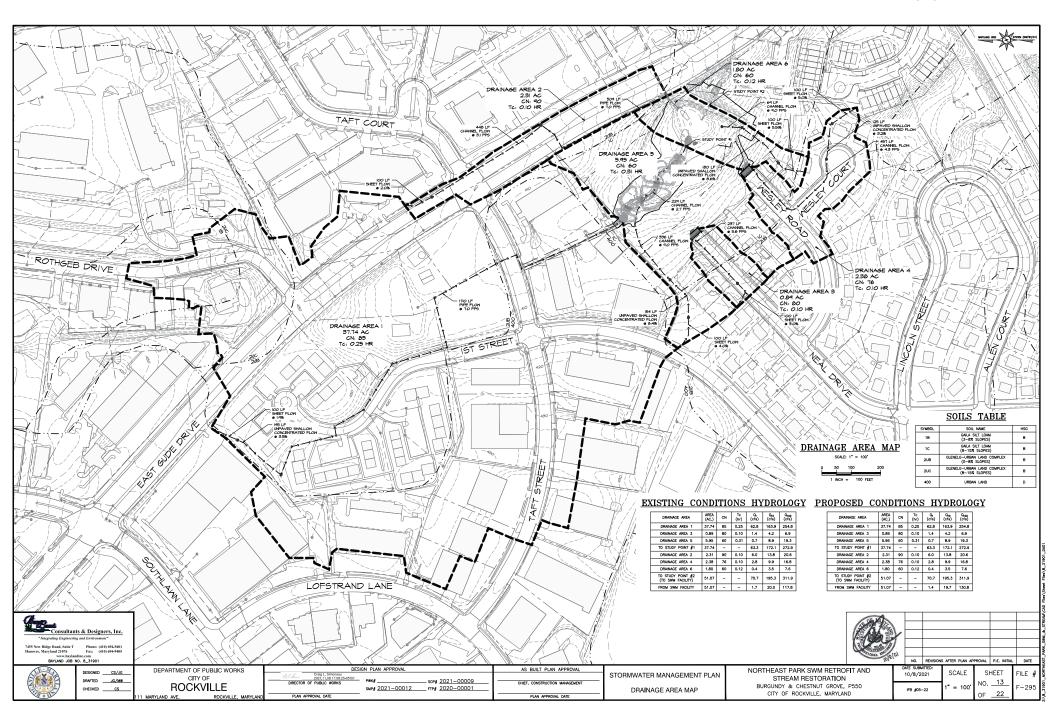
22

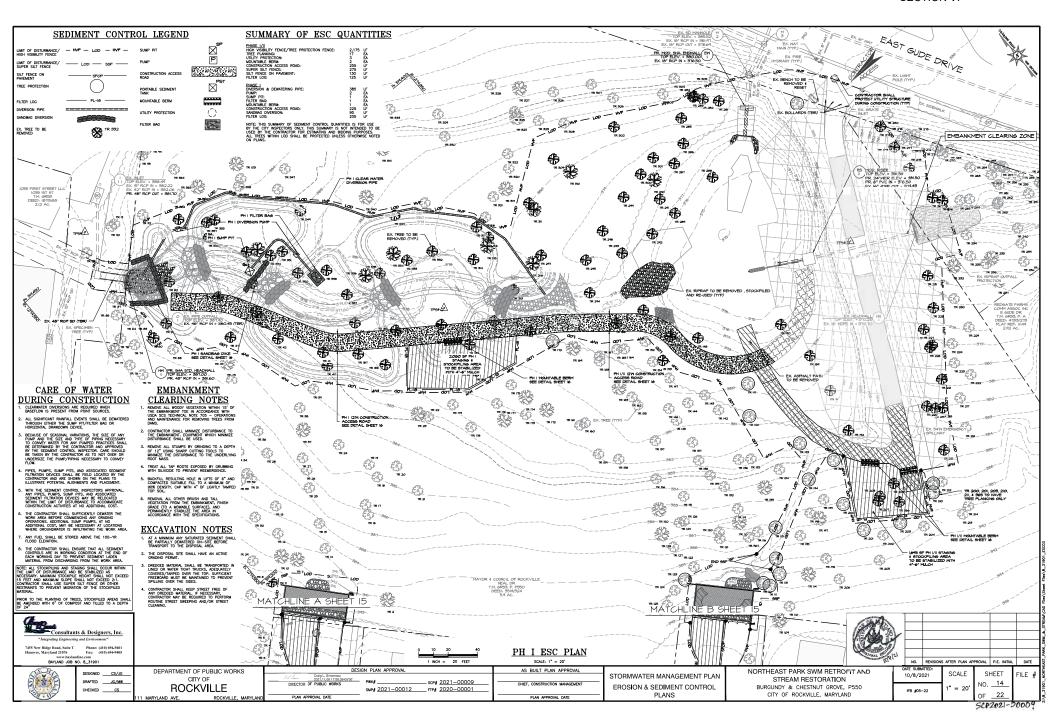


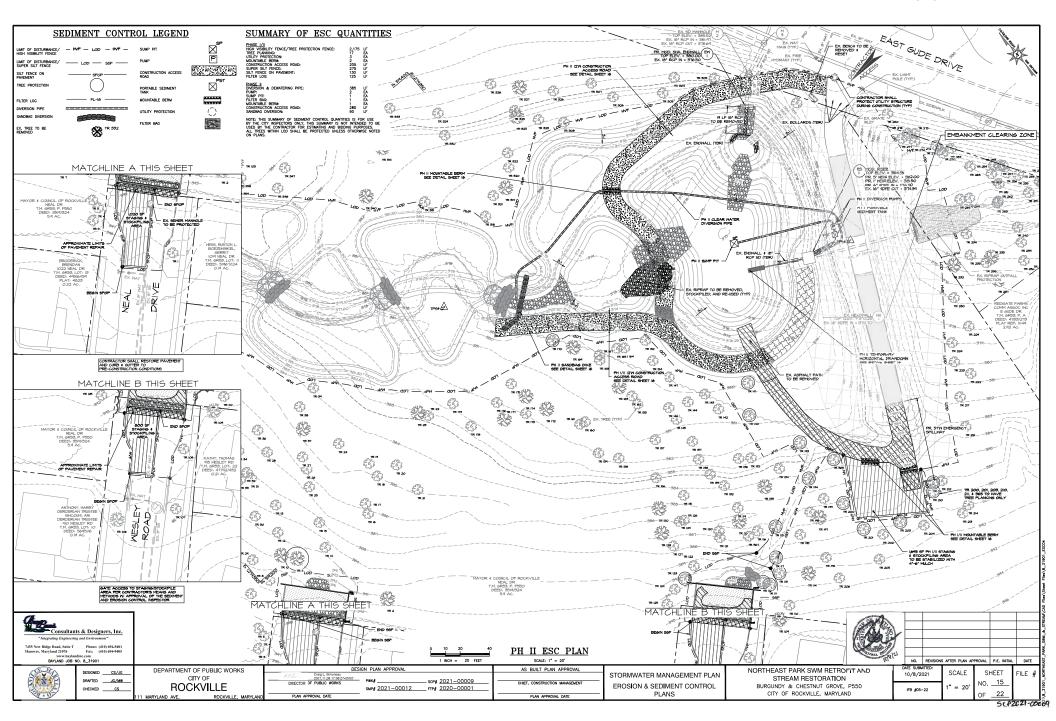


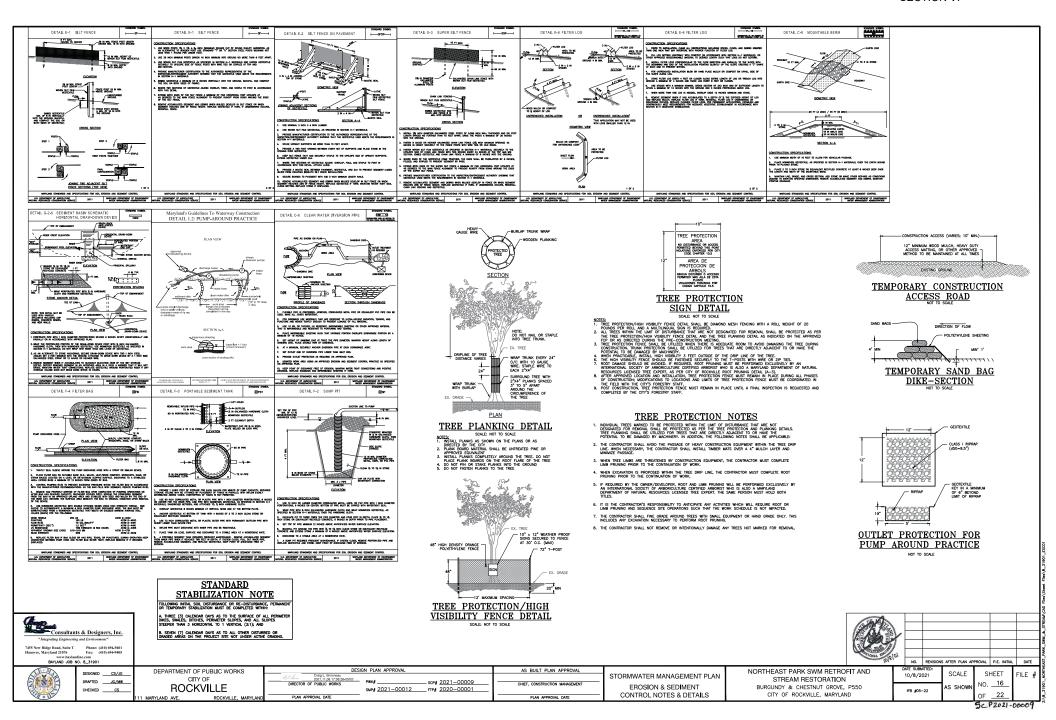


PLAN APPROVAL DATE









2 DAYS

5 DAYS

1 DAY

10 DAYS

3 DAYS

5 DAYS

### STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

SOIL PREPARATION

CONTRACTOR SHALL UTILIZE HYDROSEEDING & HYDROMULCHING PROCEDURES UNLESS OTHERWISE APPROVED BY THE CITY.

- THEORY STREAMAND CONSISTS OF LOCATION STREAMS THAT AND THE STREAMS THE STREAMS THAT AND THE S
- c. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL AS NEEDED BY DISKING OR OTHER SUITABLE MEANS.
- a. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT ARE:
- i. SOIL PH BETWEEN 6.0 AND 7.0. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM)
- I SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL (GREATER THAN 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE MOUNT OF MOSTURE. AN EXCEPTION: IF LOVEGRESS WILL BE PLANTED, THEN A SMIDT SOIL (LESS THAN 30 PERCENT SILT PLUS CLAY) WOULD BE ACCEPTABLE.
- v. SOIL CONTAINS SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION
- b. APPLICATION OF AMENDMENTS OR TOPSOIL IS REQUIRED IF ON-SITE SOILS DO NOT MEET THE ABOVE CONDITIONS.
- c. GRADED AREAS MUST BE MAINTAINED IN A TRUE AND EVEN GRADE AS SPECIFIED ON THE APPROVED PLAN, THEN SCARFFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES.
- d. APPLY SOIL AMENDMENTS AS SPECIFIED ON THE APPROVED PLAN OR AS INDICATED BY THE RESULTS OF A SOIL TEST.
- TEST.

  THE MAY PERFURE SO, AND CHARTER HEY DE TO S. NORSE OF SOE AT RESIDE OF CHEEN CONTINUE AND PROPERTY SOE. A PARKED OF THE MAYOR CHARTER, WARRANT, SOE D. A PARKED OF THE MAYOR CHARTER AND SHAPED TO SHOOTH THE SUPPLICE, RELIVOR LANCE DESCRIPT, NOT D. A DETTO SHO PROPERTY THE MAYOR AND SHAPED THE SUPPLICE AND SHAPED THE MAYOR SHAPED THE MAYOR SHAPED THE MAYOR SHAPED THE MAYOR SHAPED REPRESENTATION OF SHAPED THE MAYOR SHAPED THE MAYOR SHAPED REPRESENTATION OF THE MAYOR SHAPED THE MAYOR SHAPED
- TOPSOILING
- TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION. THE PURPOSE IS TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.
- CONTINI, LOW NUMBER LEXES, LOW PLANDAGE SIDE OF LANDS, AND/ON OWACEP/ARE SOIL ORACION THE ACT OF LOWER FOR AN EXCENSIVE SIDE OF LOWER FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE ERPRESENTATION FOR PROFILE SCIOL IN THE SUS SUKKEY PUBLISHED BY USDA-MICS.

  3. TOPSOLING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
- a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
- . THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.

- AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN
- 5. TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING CRITERIA

- SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
- 2. ESTILIZES MUST BE UNFORWER COMPOSITION, FIRE FLORING AND STITUBLE FOR ACCURATE APPLICATION OF APPROPRIATE COMPARTY, ANNIHOLDER WAY SE SUBSTITUTED FOR FERTILIZES WHIT PROCEASED WITH STORE APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY, FERTILIZES MUST LAKE DELIVERED TO ITS STE FLUX LIKELED ACCORDING TO THE APPLICABLE LAWS AND MUST EIGHT FOR MUME, TROVE NAME OR TRUCCAMEN AND MEMORITY OF THE
- 3. Jule materials must be ground linestone which contains at least 50 percent total oxides (culcum oxide plus machesiam oxide), linestone must be ground to such presents that at least 50 percent multiples fraction 4, for disciss feels and 50 to 100 percent multiples fraction 4, for disciss feels and 50 to 100 percent multiples fraction 4, for disciss feels and 50 to 100 percent multiples fraction 4, for discission fractions from 50 percent multiples fraction 4, for discission fractions from 50 percent multiples fraction fractions from 50 percent multiples fractions from 50 percent multiples fractions from 50 percent multiples from 50 percent multiples fractions from 50 percent multiples fractions from 50 percent multiples from 50 percent multiples fractions from 50 percent multiples from 50 percent multiples fractions from 50 percent multiples from 50 percent mult

TEMPORARY SEEDING SUMMARY									
	HARDNESS SEED N	FERTILIZER RATE	LINE ARTE						
NO.	SPECIES	APPLICATION RATE (b/ee)	AFE (b/m) SEEDING DATES SEEDING DE		(10-20-20)	UNE RAIE			
1	ANNUAL RYEGRASS	40 (1lb/1000 sf)	2/15 - 4/30 8/15 - 11/30	0.5"	436 lb/oc	2 tens/ec ) (90 lb/1000 ef			
2	FOXTAL MILLET	30 (0.7tb/1000 sf)	5/1 - 8/14	0.5"	(10 16/1000 17)	(80 B)1000 B)			

- SEEDING RATES FOR THE WARM-SEASON GRASSES ARE IN POUNDS OF PURE LIVE SEED (PLS). ACTUAL PLANTING RATES SHALL BE ADJUSTED TO REFLECT PERCENT SEED GENERALISM AND PURITY, AS TESTED, AUSTLANDERS ARE USUALLY NOT NEEDED FOR THE COOK-SECON GRASSES SEEDING RATES LISTED ADDUCE ARE FOR TEMPORATY SEEDINGS, WHEN PLANTED ALONE, WHEN PLANTED AS A NATE OF WITH PERMANENT
- 2. FOR SANDY SOILS, PLANT SEEDS AT TWICE THE DEPTH LISTED ABOUT

DESIGNED CS/JG

DRAFTED \_\_\_\_\_JG/MW

CHECKED CS

DEPARTMENT OF PUBLIC WORKS

CITY OF

**ROCKVILLE** 

# Consultants & Designers, Inc.

#### STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

- a. DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS INCORPORATE SEED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON TEMPORARY SEEDING TABLE B.1, PERMANENT SEEDING TABLE B.3, OR SITE-SPECIFIC SEEDING SUMMARIES.
- DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL.

- APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION.
- HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FEBTILIZER)

- III MIN CEEN AND ECOTI IZED ON CITE AND SEED INMEDIATELY AND WITHOUT INTERDUIDION

- a. STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, RYE, OAT, OR BARLEY AND RESONABLY BRIGHT IN COLOR. STRAW IS TO BE FREE OF MONOUS WED SEEDS AS SPECIFED IN THE AMPRIAND SEED LAW AND NOT MUSTY, MOLD, OWED, DECAMED, SPECIAS OF GRASS SEEDING.
- WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STATE.
- NOW, INCLUME DT, MOST CONTAIN TO GENERALIZE OF OPEN THE PRESENT PROBLEMS TO CONTAIN TO GENERALIZE AND PROCESSED IN SICH A MANNER THAT WHITE THAT THE PROPERTY OF THE PROPERTY
- WCFM MATERIAL MUST NOT CONTAIN ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE PHYTO-TOXIC.

- WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE TO A UNIFORM LOSS DEPTH OF 1 TO 2 INCHES, APPLY MULCH TO ACHEVE A LINGTON DISTRIBUTION AND DEPTH SO THAT THE SOLS SURFACE IS NOT EXPOSED, WHEN USING A MULCH ANCHORING TOOL, INCREASE THE APPLICATION RATE TO 2.5 TONS PER ACRE.
- WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPUED AT A NET DRY WEIG 1500 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER TO ATTA MOXTURE WITH A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 OF WATER.

- . PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LUSTED BY PREFERENCE), DEPENDING UPON THE SIZE OF THE AREA AND ERSOSION HAZARD:
- IN SYMMETIC BINDERS SUCH AS ACRYLIC DLR (AGRO-TACK), DCA-70, PETROSET, TERRA TAX II, TERRATACK AR OR OTHER APPROVED EQUAL MAY BE USED. FOLLOW APPLICATION RATES AS SPECIFIED BY THE MANUFACTURER, APPLICATION OF LIQUID BINDERS NEEDS TO BE HARMER AT THE EDGES WHERE WIND CATCHES MULCH, SUCH AS IN VALLEY AND ON CRESTS OF BRANKS, LUE OF ASPHULL BINDERS IS STRICTLY PROHIBITED.

HARDINESS ZONE (FROM FIGURE B.S): 76 SEED MIXTURE (FROM TABLE B.S)					FERTILIZ	FERTILIZER RATE (10-20-20)			
HO.	SPECIES	APPLICATION RATE (lb/oc)	SEEDING DATES	SEEDING DEPTHS	н	P <sub>A</sub> O <sub>4</sub>	к,0	PATE	
1	SMITCHGRASS CREEPING RED FESCUE BUSH CLOVER	10 15 2	2/15 - 4/30 5/1 - 5/31	r-r					
3	SHEEP PESCUE PEDTOP COMMON LESPEDEZA	20 1 10	2/15 - 4/30 5/1 - 5/31	r-r	45 lb/cc (1.0 lb/ 1000 sf)	90 b/oc (2.0 b/ 1000 sf)	90 lb/sc (2.0 lb/ 1000 sf)	tens/- (90 II 1000	
	TALL FESCUE PERENNAL RYEDRASS WHITE CLOVER	40 25 5	2/15 - 4/30 8/15 - 10/31	r-r					

THE PERMANENT SECOND SHALL ONLY BE NECESSARY FOR STABILIZATION OF AREAS WHERE THE PERMANENT LANCSCAPIN PLAN BODS NOT PROPOSE ANY ALTERNATIVE STABILIZATION.

2021.11.08 17.08.29-05'00'
DIRECTOR OF PUBLIC WORKS

## CITY OF ROCKVILLE STANDARD EROSION AND SEDIMENT CONTROL NOTES 11/16

- THE APPLICANT MUST OBTAIN INSPECTION AND APPROVAL BY THE CITY OF ROCKVILLE DEPARTMENT OF PUBLIC WORKS (DPW) AT THE FOLLOWING POINTS:

   AT THE REQUIRED PRECONSTRUCTION METHINGS.
- DISTURBING ACTIVITY.

  DISTRICT THE STRILLATION OF A SEDIMENT BASIN OR STORMWATER MANAGEMENT STRUCTURE AT THE REQUIRED INSPECTION POINTS (SEE INSPECTION CHECKLIST ON PLAN). NOTIFICATION PRIOR TO COMMENCING CONSTRUCTION IS MANAGEMENT.

  PRIOR TO SEMUNAL OR MODIFICATION OF ANY SEDIMENT CONTROL DEVICES.

  PRIOR TO STRIAL ACCEPTIANCE.

- THE APPLICANT SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SECURICE. SHALL HAVE THEM ROSPECTED AND APPROVED BY DWN PRIOR TO BECRIMING ANY OTHER LIAND DISTRIBUNCES, SHALL ENGINE THAT ALL RANGET FROM DISTRIBUNCED AREA IS DIRECTED TO THE SEDIMENT CONTROL DEVICES AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURES WITHOUT PRIOR PERSHASHORS FROM DEVICE.
- APPLICANT SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE OSITION OF MATERIALS ONTO TRAVERSED PUBLIC THOROUGHFARE(S). ALL MATERIALS DEPOSITED ONTO LIG THOROUGHFARE(S) SHALL BE REMOVED IMMEDIATELY.
- ALL SEDMENT BASIS, TIMP EMBAKKMENTS, SMULES, PERMETER DIESS AND PERMANENT SLOPES STEEPER OR EQUAL TO SL SMALL BE STRAULED WITH SOULES ON ANCHORD STRAW MUCH OF OTHER PHYPOTO OF THE PERMETER SEDMENT CONTROL SYSTEM MIST BE WINNIZED AND STRAULED MINISTRUCTURE OUTSIDE OF THE PERMETER SEDMENT CONTROL SYSTEM MIST BE WINNIZED AND STRAULED MINISTRUCTURE OUTSIDE WINNITERANCE MIST. BE PEROWRED AS NECESSARY TO ENSURE CONTINUED STABULZATION, RESTABILIZATION OR OVERSEEDING WILL BE REQUERED, IF RECESSARY.
- FROM TO TRUMPAL OF SERMINE CONTENT MEASURES. THE METIONET SHALL STRANGE ALL CONTRIBUTIONS EXCUSIONED ARRIVES CHOSEN SOLO OF AN IMPROVED EXTRANGET SHALL STRANGE AND CONTRIBUTIONS CONTRIBUTIONS OF A MEMORITH SHALL SHAL

- 12. PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITH SOD OR SEED WITH APPROVED EROSION CONTROL MATTING OR BY OTHER APPROVED STABILIZATION MEASURES.
- TUPOPARY SERVICE CONTROL SERVICES SHALL BE SERVICE, IN THE PRIVINGES OF POR, WHILL BY CALLED BOTS FOLLOWING ESTACKS SHALL BE SERVICE, IN THE PRIVINGES OF POR, WHILL BY CALLED BOTS FOLLOWING ESTACKS SHALL OF FOR PRIVATE STATEMENT SHARL SHALL BY THE PORT SHALL BY SH

- 16. ALL WATER PLUPED FROM AN EXCANTON DURING CONSTRUCTION SHALL BE PUMPED ETHER TO SEDMENT TANIS ABOVIO SEDMENT THAPS. NO WATER WILL BE PUMPED TO THE STONE DRAIN SYSTEM OR SHALL DE-WATERING SHALL BE PERFORMED IN ACCORDINCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL RESIGN AND SEDMENT CONTROL.
- 18. SEDIMENT TRAPS OR BASINS ARE NOT PERMITTED WITHIN 20-FEET OF A BUILDING, WHICH EXISTS OR IS UNDER CONSTRUCTION. NO BUILDING MAY BE CONSTRUCTED WITHIN 20-FEET OF A SEDIMENT TRAP OR BASIN.
- THE DPW SEDIMENT CONTROL INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SEDIMENT CONTROL MEASURES, IF DEEMED NECESSARY.
- 21. ALL TRAP ELEVATIONS ARE RELATIVE TO THE OUTLET ELEVATION, WHICH MUST BE ON EXISTING UNDISTURBED GROUND
- VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 24. SEDIMENT REMOVED FROM TRAPS SHALL BE PLACED AND STABILIZED IN APPROVED AREAS IN SUCH A MANNE THAT IT DOES NOT FOUL EXISTING OR PROPOSED STORM DRAINAGE SYSTEMS OR AREAS ALREADY STABILIZED. SEDIMENT SHALL NOT BE PLACED WITHIN A FLOOD PLAN OR WETLAND.

- 29. THE APPLICANT SHALL COMPLY WITH ALL PROVISIONS OF THE NPDES CONSTRUCTION DISCHARGE PERMIT. COPY OF THE PERMIT AND ALL REQUIRED REPORTS SHALL BE AVAILABLE ON SITE AT ALL TIMES.

AS BUILT PLAN APPROVAL

STORMWATER MANAGEMENT PLAN

**EROSION & SEDIMENT** 

#### SEQUENCE OF CONSTRUCTION

COUNCIT BE FOLLOWING DITTIES AT LEAST AS HOUSE PRIOR TO MY COMMITTION CITY UTILITIES SECTION AT 240-314-3667 AMD MISS UTILITY AT 1-860-257-7777.

RECORDING AND SECOND PRIOR COUNCILS. AND SET IN COORNAL MAST BE SERVETTED WEBSY, AND ATTER EACH RAN FALL EVENT, BY THE CONTRACTOR OR OTHER RESPONSIBLE PERSONS. AND ANY NATION MEMBRANCE PERSONS MEMBRANCH, AND ANY NATION MEMBRANCE PERSONS MEMBRANCH, AND ANY NATION MEMBRANCE PERSONS MEMBRANCH AND ANY NATION AND ANY NATION MEMBRANCH AND ANY NATIONAL PRIOR OF SET WART OF COUNCILS AND ANY NATIONAL PRIOR OF SET WART OF COUNCILS AND ANY NATIONAL PRIOR OF SET WART OF COUNCILS WHICH HAVE ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL (2):) AND SERVED (7) OLDSHOWN ANY NATIONAL PRIOR SET WAS ANY NATIONAL PRIOR SET WAS

THE CONTRACTOR SHALL NOTIFY THE CITY OF RODIVALE'S CONSTRUCTION MANAGEMENT DIVISION (240–314–844), PORESTRY REPECTOR (240–314–871) AND SEDMENT CONTROL REPECTOR (240–314–879) AT LEAST 44 HOUSE SEPTORE COMMENCIAN WITH CONTROL REPECTOR REPORTED OF THE RESPONSER PERSONNEL HAVE MET OF BUT HE WITH THE SEDMENT AND RESPONSION REPORTED TO REPORT THE CONTROL REPORT TO REPORT THE CONTROL REPORT TO REPORT THE CONTROL HE WITH THE SEDMENT OF REPORT THE REPORT THE APPROVED CHARLES AND THE REPORT SET OF THE REPORT TH

2. CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

- NETAL TIME PROTECTION MESSINGS, MON VISIBLE TRACE, THATPE COURTED, SIDES AND PRIME IS DIRECTED BRIND THE PROTECTIONATION DESIGNATION MESSINGS. THE LEGISLATION OF THE STATE OF THE VISIBLE OF THE PROTECTION AND THE PROTECTIO
- 5. INSTALL HIGH VISIBILITY FENCE, STAGING/STOCKPILE AREAS, SILT FENCE ON PAVEMENT, AND SUPER SILT FENCE AS SHOWN ON PLANS AROUND NEAL DRINE AND WESLEY ROAD. REMOVE EXISTING PAVEMENT AS SHOWN ON PLANS TO BE TED INTO PROPOSED BIORETENTION.
- INSTALL PROPOSED BIORETENTION BASINS AT THE ENDS OF NEAL DRIVE AND WESLEY ROAD, COMPLETE GRADING OF EXISTING CHANNEL AT OUTFALL OF WESLEY ROAD RIGHTENTION BASIN.
- WITH SEDIMENT AND EROSION CONTROL INSPECTOR'S APPROVAL, REMOVE EROSION AND SEDIMENT CONTROLS AND STABILIZE ANY AREAS DISTURBED. RESTORE ANY DAMAGES CAUSED TO EXISTING STRUCTURES DURING CONSTRUCTION (IE. PAVEMENT, SIDEWALKS, CURBS AND GUTTER, ETC.)
- INSTALL PH I CONSTRUCTION ACCESS ROAD, MOUNTABLE BERM, FILTER LOG, SANDBAG DIKES, PUMPS & DIVERSION PIPES FOR CLEAR WATER DIVERSION AS NECESSARY FOR BASE FLOW, REMOVE DESIGNATED TREES AND NIN SPECIES REMOVAL.

- 11. STARTING UPSTREAM AND MOVING DOWNSTREAM (STA. 0+32.0 TO 3+11.5), BEGIN CONSTRUCTION OF PROPOSED RIFFLE—WER SYSTEM. WORK SHALL BE LIMITED TO AREAS THAT CAN BE COMPLETED AND STABILIZED AT THE END OF EACH WORKING DAY, REMOVE CONSTRUCTION ACCESS AS WORK IS COMPLETED MOVING DOWNSTREAM.

- 14 PENNYE FYISTING FW\_1 AND 10 IF OF 18" BOD AS SHOWN ON DIAN-SALVACE FYISTING RIPRAP MATERIAL INSTALL PROPOSED FW\_1 AND RIPRAP OUTFAIL PROTECTION
- 15. BEGIN GRADING AS NECESSARY OF DRIVEABLE GRASS ACCESS ROAD TO REACH EXISTING R-1. REMOVE EXISTING EW-2 AND 18" RCP. COMPLETE RISER MODIFICATIONS AND INSTALL TEMPORARY HORIZONTAL DRAWDOWN IN PROPOSED 6" ORIFICE AT INV. 376.50. 16. BEGIN POND EXCAVATION AND AND INSTALLATION OF CLAY LINER. INSTALL RIPRAP INFLOW PROTECTIONS.
- 17. UPON COMPLETION OF EXCAVATION, FINE GRADE POND AND INSTALL THE SAFETY BENCH AND AQUATIC BENCH, INCLUDING WETLAND SOIL MEDIA. CONVERT TEMPORARY HORIZONTAL DRAWDOWN INTO PROPOSED LOW FLOW.
- 19. REMOVE ANY REMAINING CONSTRUCTION ACCESS ROAD AND REPLACE WITH DRIVEABLE GRASS ACCESS ROAD, PERMANENTLY STABILIZE ANY REMAINING DISTURBED AREAS

### BEST MANAGEMENT PRACTICES FOR WORKING IN NON TIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS AND 100 YEAR FLOODPLAINS

- 1. NO EXCESS FILL CONSTRUCTION MATERIAL, OR DEBRIS SHALL BE STOCKPILED OR STORED IN NON TIDAL WETLANDS, NON TIDAL WETLAND BUFFERS, WATERWAYS OR THE THE TOTAL YEAR BE STOCKPILED OR STORED IN NON TIDAL WETLANDS, NON TIDAL WETLAND BUFFERS, WATERWAYS OR
- 2. PLACE MATERIALS IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF NON TIDAL WETLANDS, NON TIDAL WETLAND BUFFERS, WATERWAYS OR THE 100 YEAR FLOODPLAIN.
- PLACE HEAVY EQUIPMENT ON MATS OR SUITABLY OPERATE THE EQUIPMENT TO PREVENT DAMAGE TO NON TIDAL WETLANDS, NON TIDAL WETLAND BUFFERS, OR WATERWAYS OR THE 100 YEAR FLOOD PLAN.
- 6. RECTIFY ANY NON TIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS OR 100 YEAR FLOOD PLAIN TEMPORARILY IMPACTED BY ANY CONSTRUCTION.
- ALL TRANSMING IN THE 16YE TOOL, RETURN AND INST. THE WITHOU SHITTE DAIL, CHINET OF THE TOLUMNO SPECIES NAMEL ARROWS WALKENDOOM, UNLIFECTED WAS ALL REPORTS. THE STREET SHILL ARROWS TO THE STREAM ALL REPORTS WALK ARROWS FOR SECTION WAS THE STREAM ALL REPORTS WALK ARROWS FOR SECTION WAS ALLOWED.
- AFTER INSTALLATION HAS BEEN COMPLETED, MAKE POST CONSTRUCTION GRADES AND ELEVATIONS THE SAME AS THE ORIGINAL GRADES AND ELEVATIONS IN TEMPORARILY IMPACTED AREAS.
- 9. TO PROTECT AQUATIC SPECIES, IN STREAM WORK IS PROHIBITED AS DETERMINED BY THE CLASSIFICATION OF THE STREAM: USE I WATERS.

STREAM RESTORATION

BURGUNDY & CHESTNUT GROVE, P550

CITY OF ROCKVILLE, MARYLAND

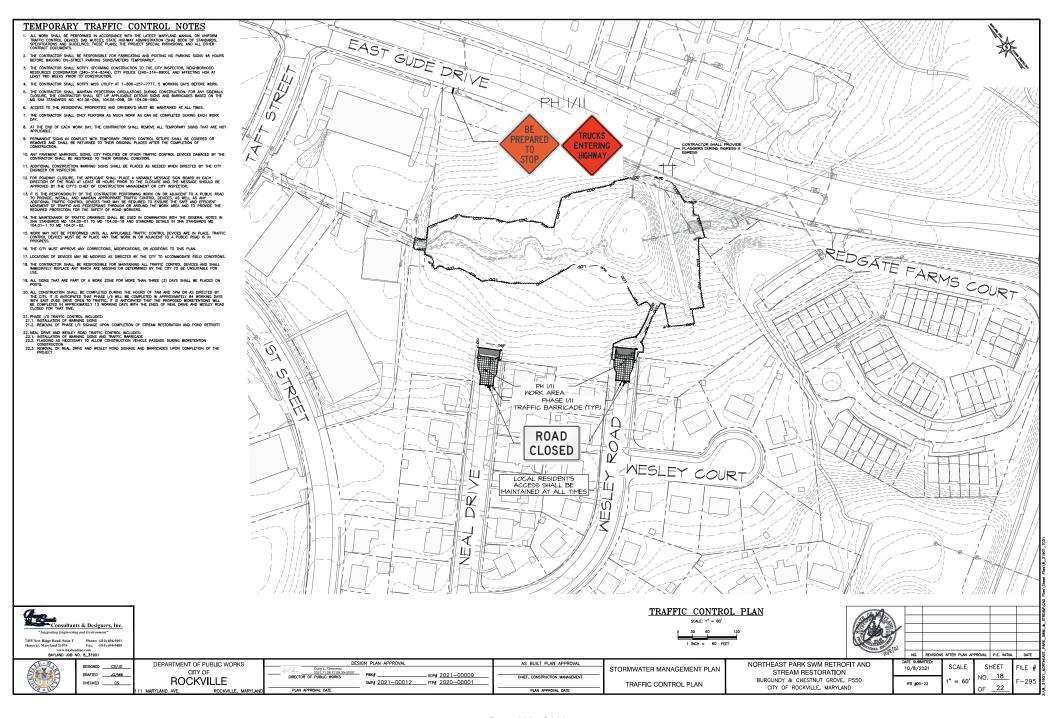
10. STORMWATER RUNOFF FROM IMPERVIOUS SURFACES SHALL BE CONTROLLED TO PREVENT THE WASHING OF DEBRIS INTO THE WATERWAY. 11. CULVERTS SHALL BE CONSTRUCTED AND ANY RIP RAP PLACED SO AS NOT TO DESTRUCT THE MOVEMENT OF AQUATIC SPECIES, UNLESS THE PURPOSE OF THE ACTIVITY IS TO MEROUND WATER.

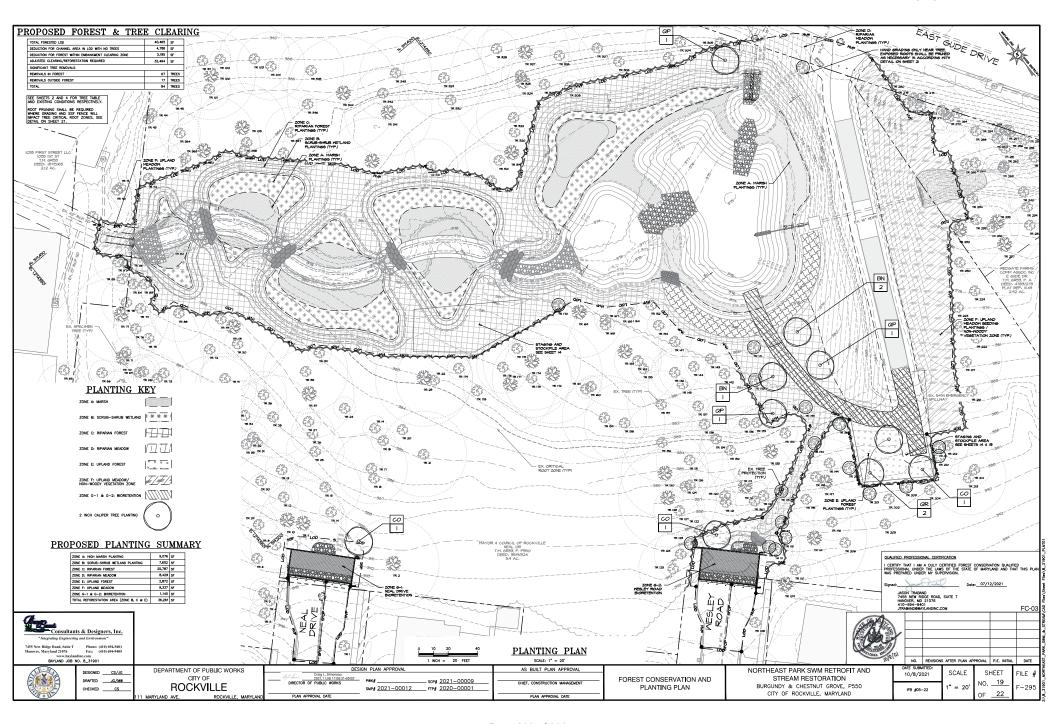
NORTHEAST PARK SWM RETROFIT AND SCALE SHEET 10/8/2021 FILE # NO. \_\_17

22

\_\_ scp# 2021-00009

SMP# 2021-00012 FTP# 2020-00001





BOTANICAL NAME/ TECHNICAL DESCRIPTION	COMMON NAME	INDICATOR STATUS	SIZE	TYPE	SPACING	QUANTITY
ERBACEOUS QUARTS	•		•			
ASCLEPIAS INCARNATA	SWAMP MILKWEED	CEL	QUART	CONTAINER	RANDOM AT 2" O.C.	100
CHELONE GLABRA	WHITE TURTLEHEAD	CBL	QUART	CONTAINER	RANDOM AT 2' O.C.	100
HBISCUS MOSCHEUTOS	ROSE MALLOW	OBL	QUART	CONTAINER	RANDOM AT 2" O.C.	100
LOBELIA CARDINALIS**	CARDINAL FLOWER	FACW	QUART	CONTAINER	RANDOM AT 2' O.C.	40
LOBELIA SIPHILITICA	GREAT BLOE LOBELIA	FACW	QUART	CONTAINER	RANDOM AT 2' O.C.	40
SCIRPUS ATROVIRENS	GREEN BULRUSH	OBL	QUART	CONTAINER	RANDOM AT 2' O.C.	80
SCIRPUS CYPERINUS	WOOLGRASS	FACW	QUART	CONTAINER	RANDOM AT 2" O.C.	80
IERBACEOUS PLUGS						
ALISMA SUBCORDATUM	WATER PLANTAIN	COL	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	750
CAREX VULPINOIDEA	FOX SEDGE	OBL	PLUG	TRAY/CONTAINER	RANDOM AT 1° O.C.	600
ELEOCHARIS OBTUSA	BLUNT SPIKE RUSH	OBL	PLUG	TRAY/CONTAINER	RANDOM AT 1° O.C.	800
IRIS VERSICOLOR	BLUE FLAG	OBL.	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	800
JUNCUS EFFUSUS	SOFT RUSH	FACW	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	800
PELTANDRA VIRGINICA*	ARROW ARUM	OBL	PLUG	TRAY/CONTAINER	RANDOM AT 1° O.C.	500
PONTEDERIA CORDATA*	PICKERELWEED	OBL.	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	500
SAGITTARIA LATIFOLIA*	DUCK POTATO	OBL	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	500
SAURURUS CERNUUS	LIZARDS TAIL	OBL	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	750
SCIRPUS TABERNAEMONTANI	SOFT STEM BULRUSH	COL	PLUG	TRAY/CONTAINER	RANDON AT 1" O.C.	800
VERBENA HASTATA**	BLUE VERVAIN	FACW	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	200

FOUR A WIGH MARCH BUANTING COMPRISE

## ZONE B: SHRUB-SCRUB WETLAND PLANTING SCHEDULE - 7,602 SF

BOTANICAL NAME/ TECHNICAL DESCRIPTION	COMMON NAME	INDICATOR STATUS	SIZE	TYPE	SPACING	QUANTITY
LIVE STAKES						
CORNUS ANONUM	SILKY DOGWOOD	FACW	2 FT.	LIVE STAKE	RANDOM AT 4" O.C.	25
SALIX NIGRA	BLACK WILLOW	CBL	2 FT.	LIVE STAKE	RANDOM AT 4" O.C.	25
SHRUBS						
ALNUS SERRULATA	SMOOTH ALDER	OBL.	2-3 FT, 5 CANE MIN	#5 CONTAINER	NATURALIZED AT 7" O.C.	22
CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	OBL.	2-3 FT, 5 CANE MIN	#5 CONTAINER	NATURALIZED AT 7" O.C.	21
ITEA VIRGINICA	WRONIA SWEETSPIRE	OBL	2-3 FT, 4 CANE MIN	#5 CONTAINER	NATURALIZED AT 7" O.C.	20
ROSA PALUSTRIS	SWAMP ROSE	OBL.	2-3 FT, 4 CANE MIN	#5 CONTAINER	NATURALIZED AT 7" O.C.	15
HERBACEOUS QUARTS						
HELIANTHUS ANGUSTIFOLIUS	SWAMP SUNFLOWER	FACW	QUART	CONTAINER	RANDOM AT 3" O.C.	22
ONOCLEA SENSIBILIS	SENSTIVE FERN	FACN	QUART	CONTAINER	RANDOM AT 3" O.C.	24
OSMUNDA CINNAMONEA	CINNAMON FERN	FACW	QUART	CONTAINER	RANDOM AT 3" O.C.	22
PHLOX MACULATA	MEADOW PHLOX	FACN	QUART	CONTAINER	RANDOM AT 3" O.C.	22
SYMPHYTOTRICHUM NOVI-BELGII	NEW YORK ASTER	OBL	QUART	CONTAINER	RANDOM AT 3" O.C.	22
HERBACEOUS PLUGS						
HIBISCUS MOSCHEUTOS	ROSE MALLOW	OBL	PLUG	TRAY/CONTAINER	RANDOM AT 18" O.C.	150
IRIS VERSICOLOR	BLUE FLAG	084	PLUG	TRAY/CONTAINER	RANDOM AT 18" O.C.	150
LOBELIA CARDINALIS	CARDINAL FLOWER	FACW	PLUG	TRAY/CONTAINER	RANDOM AT 18" O.C.	150
MINULUS RINGENS	SQUARE-STEMED MONKEYFLOWER	OBL.	PLUG	TRAY/CONTAINER	RANDOM AT 18" O.C.	150
SCIRPUS ATROWNENS	GREEN BULRUSH	OBL	PLUG	TRAY/CONTAINER	RANDOM AT 18" O.C.	150
VERONIA NOVEBORACENSIS	NEW YORK IRONWEED	FACW	PLUG	TRAY/CONTAINER	RANDOM AT 18" O.C.	150
SEEDING - INITIAL						
NATIVE SEED MIX (ERNMX 122 OR EQUIVALENT)	NATIVE WETLAND SEED MIX	N/A	N/A	SEED	N/A	2.5 LBS
NATIVE SEED MIX (ERNMX 183 OR EQUIVALENT)	NATIVE DETENTION AREA SEED MIX	N/A	N/A	SEED	N/A	1.0 LBS
SEEDING - YEAR 1			•			
NATIVE SEED MIX (ERNMX 122 OR EQUIVALENT)	NATIVE WETLAND SEED MIX	N/A	N/A	SEED	N/A	2.5 LBS



## SAFETY & AQUATIC BENCH DETAIL

## NATIVE RIPARIAN WOODY SEED MIX

NOTES:
ALL AREAS WITHIN THE LIMIT OF DISTURBANCE NOT SHOWN TO BE STABILIZED WITH NATIVE SEEDING SHALL BE REVOCETATED IN ACCORDANCE WITH THE PERMANENT SEEDING SUMMARY TABLE AND STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING OR SHEET 16.
WOODY VEGETATION SHALL NOT BE INSTALLED WITHIN THE EMBANKMENT CLEARING ZONE OR WITHIN 15' OF THE EMBANKMENT TOE.

BOTANICAL NAME	COMMON NAME
CORNUS RACEMOSA	GRAY DOGWOOD
UNDERA BENZOIN	SPICEBUSH
NYSSA SYLVATICA	BLACK GUM
VIBURNUM LENTAGO	NANNYBERRY
VIBURNUM TRILOBUM	AMERICAN CRANBERRY
VIBURNUM DENTATUM	SOUTHERN ARROWWOOD
ILEX VERTICILLATA	WINTERBERRY
PHOTONIA MELANOCARPA	BLACK CHOKEBERRY
PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE
SAMBUCUS CANADENSIS	COMMON ELDERBERRY
	CORNUS RACIDIGA  LINGERA BENZORI  NYSSIA SYLVANICA  VISURNUM LENTACO  VIBURNUM LENTACO  VIBURNUM DENTATION  HURINAM DENTATION  LEX VERTICULATA  PHOTONIA MELANOCARPA  PLATANUS OCCIDENTALIS

ZONE C: RIPAR	RIAN FOREST	PLAN	ITING	SCHEDU	<u>LE - 25,7</u>	87 SF
BOTANICAL NAME/ TECHNICAL DESCRIPTION	COMMON NAME	INDICATOR STATUS	SIZE	TYPE	SPACING	QUANTITY
OVERSTORY TREES - LARGE						
BETULA NIGRA	RIVER BIRCH	FACW	10-12 FT, 3-STEM MIN	#25 CONTAINER	AS SHOWN	2
QUERCUS PHELLOS	WILLOW OAK	FACW	2" CAL	#25 CONTAINER	AS SHOWN	3
OVERSTORY TREES - SMALL						
BETULA NIGRA	RIVER BIRCH	FACW	6-7 FT, 3-STEM MIN	#10 CONTAINER	NATURALIZED AT 15" O.C.	7
NYSSA SYLVATICA	BLACK GUM	FAC	1° CAL	#10 CONTAINER	NATURALIZED AT 15" O.C.	
POPULUS DELTOIDES	EASTERN COTTONWOOD	FAC	1" CAL	#10 CONTAINER	NATURALIZED AT 15' O.C.	7
QUERCUS BICOLOR	SWAMP WHITE OAK	FACW	1° CAL	#10 CONTAINER	NATURALIZED AT 15" O.C.	9
QUERCUS MICHAUXII	SWAMP CHESTNUT OAK	FACW	1" CAL	#10 CONTAINER	NATURALIZED AT 15" O.C.	8
QUERCUS PHELLOS	WILLOW OAK	FACW	1" CAL	#10 CONTAINER	NATURALIZED AT 15' O.C.	8
TAXODIUM DISTICHUM	BALD CYPRESS	OBL	1° CAL	#10 CONTAINER	NATURALIZED AT 15" O.C.	8
ULMUS AMERICANA	AMERICAN ELM	FACW	1" CAL	#10 CONTAINER	NATURALIZED AT 15' O.C.	8
UNDERSTORY TREES						
AMELANCHIER CANADENSIS	SERVICEBERRY	FAC	6-7 FT OR 0.5" CAL	#7 CONTAINER	NATURALIZED AT 12' O.C.	11
ASMINA TRILOBA	PAW PAW	FAC	4-5 FT	#5 CONTAINER	NATURALIZED AT 12" O.C. & CLUSTERED IN GROUPS OF	12
CARPINUS CAROLIANA	IRONWOOD	FAC	6-7 FT OR 0.5" CAL	#7 CONTAINER	NATURALIZED AT 12' O.C.	12
MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	FACW	6-7 FT	#7 CONTAINER	NATURALIZED AT 12' O.C.	13
TUBELINGS						
CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	FACM	N/A	TUBELINGS	4° 0.C.	40
CORNUS AMONUM	SILKY DOGWOOD	FACW	N/A	TUBELINGS	4" O.C.	40
CORNUS SERICEA	RED OSIER DOGWOOD	FACW	N/A	TUBELINGS	4" O.C.	40
PHOTINIA ARBUTIFOLIA	RED CHOKEBERRY	FACW	N/A	TUBELINGS	4° 0.C.	40
PHYSOCARPUS OPULIFOLIUS	NNEBARK	FACW	N/A	TUBELINGS	4° 0.0.	40
SALIX NIGRA	BLACK WILLOW	OBL	N/A	TUBELINGS	4° 0.C.	40
SEEDING - INITIAL						
NATIVE SEED MIX (ERNMX 122 OR EQUIVALENT)	NATIVE WETLAND SEED MIX	N/A	N/A	SEED	N/A	9.0 LBS
NATIVE SEED MIX (ERNMX 105 OR EQUIVALENT)	NATIVE UPLAND SEED MIX	N/A	N/A	SEED	N/A	3.0 LBS
COVER/NURSE CROP	(SEE TABLE)	N/A	N/A	SEED	SEE TABLE FOR APPLICATION	N RATES & DATE
REDING - YEAR 1	(	-4	.4			
NATIVE RIPARIAN WOODY SEED MIX	NATIVE RIPARIAN WOODY SEED MIX	N/A	N/A	SEED	N/A	11.0 LBS
NATIVE SEED MIX (ERNMX 122 OR EQUIVALENT)	NATIVE WETLAND SEED MIX	N/A	N/A	SEED	N/A	7.0 LBS
NATIVE SEED MIX (ERNMX 105 OR EQUIVALENT)	NATIVE UPLAND SEED MIX	N/A	N/A	SEED	N/A	2.0 LBS

## ZONE D: RIPARIAN MEADOW SEEDING SCHEDULE - 8,429 SF

BOTANICAL NAME/ TECHNICAL DESCRIPTION	COMMON NAME	INDICATOR STATUS	SIZE	TYPE	SPACING	QUANTITY	
SEEDING - INITIAL	SEEDING - INITIAL						
NATIVE SEED MIX (ERNMX 122 OR EQUIVALENT)	NATIVE WETLAND SEED MIX	N/A	N/A	SEED	N/A	3.0 LBS	
NATIVE SEED MIX (ERNMX 105 OR EQUIVALENT)	NATIVE UPLAND SEED NIX	N/A	N/A	SEED	N/A	1.0 LBS	
COVER/NURSE CROP	(SEE TABLE)	N/A	N/A	SEED	SEE TABLE FOR APPLICATION	N RATES & DATES	
SEEDING - YEAR 1							
NATIVE SEED MIX (ERNMX 122 OR EQUIVALENT)	NATIVE WETLAND SEED MIX	N/A	N/A	SEED	N/A	2.0 LBS	
NATIVE SEED MIX (ERNMX 105 OR EQUIVALENT)	NATIVE UPLAND SEED MIX	N/A	N/A	SEED	N/A	1.0 LB	

## ZONE E: UPLAND FOREST PLANTING SCHEDULE - 2,478 SF

	STATUS				
COMMON HACKBERRY	FACU	2" CAL	#25 CONTAINER	AS SHOWN	3
NORTHERN RED OAK	FACU	2" CAL	#25 CONTAINER	AS SHOWN	2
MOCKERNUT HICKORY	FACU	0.5" CAL	#5 CONTAINER	NATURALIZED AT 12' O.C.	2
AMERICAN BEECH	FACU	0.5" CAL	#5 CONTAINER	NATURALIZED AT 12' O.C.	2
WHITE OAK	FACU	1° CAL	#10 CONTAINER	NATURALIZED AT 15" O.C.	1
EASTERN REDBUD	UPL	0.5" CAL	#10 CONTAINER	NATURALIZED AT 12" O.C.	1
APPALACHIAN SPRING FLOWERING DOGWOOD	FACU	0.5" CAL	#10 CONTAINER	NATURALIZED AT 12' O.C.	1
NATIVE UPLAND SEED MIX	N/A	N/A	SEED	N/A	1.0 LB
(SEE TABLE)	N/A	N/A	SEED	SEE TABLE FOR APPLICATION	N RATES & DATES
NATIVE UPLAND WOODY SEED MIX	N/A	N/A	SEED	N/A	1.0 LB
NATIVE UPLAND SEED MIX	N/A	N/A	SEED	N/A	1.0 LB
	NORTHERN RED DAX  MODIFICATION MEDICAL  MODIFICATION MEDICAL  MERCICAL  EASTERN REDEAD  APPARADIOMOS SPEED MIX  NATIVE UPLAND SEED MIX  (SEE TABLE)  NATIVE UPLAND SEED MIX  NATIVE UPLAND SEED MIX	COMMON HACHEMINY FACU  KORTHERN RED OMC FACU  MOCREMON HISCORY FACU  AMERICAN RECH FACU  WHITE CAK FACU  EASTERN REGRED UPL  APPALACIONE PROBED OF MENTO  APPALACIONE PROBED OF MENTO  APPALACIONE PROBED OF MENTO  ANTHE UPLAND SEED MX N/A  NATIVE UPLAND SEED MX N/A	COMMON HADDRERFY	COMMON HACKERRY	COMMON HADDERSTY

## ZONE F: UPLAND MEADOW SEEDING SCHEDULE - 8,995 SF

BOTANICAL NAME/ TECHNICAL DESCRIPTION	COMMON NAME	INDICATOR STATUS	SIZE	TYPE	SPACING	QUANTITY
SEEDING - INITIAL						
NATIVE SEED MIX (ERNMX 105 OR EQUIVALENT)	NATIVE UPLAND SEED MIX	N/A	N/A	SEED	N/A	4.5 LBS
COVER/NURSE CROP	(SEE TABLE)	N/A	N/A	SEED	SEE TABLE FOR APPLICATION	N RATES & DATES
SEEDING - YEAR 1						
NATIVE SEED MIX (ERNMX 105 OR EQUIVALENT)	NATIVE UPLAND SEED MIX	N/A	N/A	SEED	N/A	3.0 LBS

<u>Z0</u>	NE G-1: NEAL	DRIVE BIORE	TENT	ON I	PLANTING	SCHEDUL	E - 52	0 SF
]	BOTANICAL NAME/ TECHNICAL DESCRIPTION	COMMON NAME	INDICATOR STATUS	SIZE	TYPE	SPACING	QUANTITY	
]	HERBACEOUS QUARTS							
	CHASMANTHIUM LATIFOLIUM	RIVER DATS	FACU	QUART	CONTAINER	RANDOM AT 2' O.C.	18	
1	CONOCLINIUM COELESTINUM	WLD AGERATUM	FAC	QUART	CONTAINER	RANDOM AT 2' O.C.	16	
i	EUPATORIUM PERFOLIATUM	BONESET	FACW	QUART	CONTAINER	RANDOM AT 2' O.C.	14	
1	HIBISCUS MOSCHEUTOS	ROSE MALLOW	OBL	QUART	CONTAINER	RANDOM AT 2" O.C.	9	
1	IRIS VERSICOLOR	BLUE FLAG	OBL.	QUART	CONTAINER	RANDOM AT 2' O.C.	9	
1	LOBELIA SIPHILITICA	GREAT BLUE LOBELIA	FACW	QUART	CONTAINER	RANDOM AT 2" O.C.	16	
1	PANICUM VIRGATUM	SWITCHGRASS	FAC	QUART	CONTAINER	RANDOM AT 2' O.C.	15	
1	RUDBECKIA FULGIDA	CUTLEAF CONEFLOWER	FAC	QUART	CONTAINER	RANDOM AT 2" O.C.	14	
1	HERBACEOUS PLUGS							
1	CAREX VULPINOIDEA	FOX SEDGE	OBL.	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	50	
1	JUNCUS EFFUSUS	SOFT RUSH	FACW	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	50	

## ZONE G-2: WESLEY ROAD BIORETENTION PLANTING SCHEDULE - 620 SF

BOTANICAL NAME/ TECHNICAL DESCRIPTION	COMMON NAME	INDICATOR STATUS	SIZE	TYPE	SPACING	QUANTITY	
HERBACEOUS QUARTS	ERBACEOUS QUARTS						
CHASMANTHIUM LATIFOLIUM	RIVER OATS	FACU	QUART	CONTAINER	RANDOM AT 2' O.C.	22	
CONOCLINIUM COELESTINUM	WILD AGERATUM	FAC	QUART	CONTAINER	RANDOM AT 2" O.C.	20	
EUPATORIUM PERFOLIATUM	BONESET	FACW	QUART	CONTAINER	RANDOM AT 2' O.C.	18	
HIBISCUS MOSCHEUTOS	ROSE MALLOW	OBL	QUART	CONTAINER	RANDOM AT 2' O.C.	- 11	
IRIS VERSICOLOR	BLUE FLAG	CBL.	QUART	CONTAINER	RANDOM AT 2' O.C.	11	
LOBELIA SIPHILITICA	GREAT BLUE LOBELIA	FACW	QUART	CONTAINER	RANDOM AT 2' O.C.	20	
PANICUM VIRGATUM	SWITCHGRASS	FAC	QUART	CONTAINER	RANDOM AT 2' O.C.	17	
RUDBECKIA FULGIDA	CUTLEAF CONEFLOWER	FAC	QUART	CONTAINER	RANDOM AT 2' O.C.	18	
HERBACEOUS PLUOS							
CAREX VULPINOIDEA	FOX SEDGE	COL	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	50	
JUNCUS EFFUSUS	SOFT RUSH	FACW	PLUG	TRAY/CONTAINER	RANDOM AT 1" O.C.	50	

## NATIVE WETLAND SEED MIX COMPOSITION

444	III COMI COIII	<u> </u>
% COMPOSTION	BOTANICAL NAME	COMMON NAME
33.00%	CAREX VULPINOIDEA	FOX SEDGE
20.00%	ELYNUS VIRGINICUS	VIRGINIA WILDRYE
16.80%	CAREX SCOPARIA	BLUNT BROOM SEDGE
5.2%	CINNA ARUNDINACEA	WOOD REEDGRASS
4.0%	VERBENA HASTATA	BLUE VERVAIN
3.0%	CAREX LUPULINA	HOP SEDGE
3.0%	CAREX LURIDA	LURID SEDGE
3.0%	JUNCUS EFFUSUS	SOFT RUSH
2.0%	ASCLEPIAS INCARNATA	SWAMP MILKWEED
2.0%	HELIOPSIS HELIANTHOIDES	OXEYE SUNFLOWER
1.5%	BIDENS CERNUA	NODDING BUR MARIGOLD
1.0%	EUPATORIUM PERFOLIATUM	BONESET
1.0%	HELENIUM AUTUMNALE	COMMON SNEEZEWEED
1.0%	ZIZIA AUREA	GOLDEN ALEXANDERS
0.5%	ALISMA SUBCORDATUM	MUD PLANTAIN
0.5%	ASTER PUNICEUS	PURPLESTEM ASTER
0.4%	SYMPHYTOTRICHUM NOVAE-ANGLIAE	NEW ENGLAND ASTER
0.4%	SYMPHYTOTRICHUM PRENANTHODES	ZIGZAG ASTER
0.4%	SYMPHYTOTRICHUM UMBELLATUS	FLAT TOPPED WHITE ASTER
0.3%	EUPATORIUM FISTULOSUM	JOE PYE WEED
0.3%	LOBELIA SIPHILITICA	GREAT BLUE LOBELIA
0.3%	SCIRPUS CYPERINUS	WOOLGRASS
0.2%	PENTHORUM SEDOIDES	DITCH STONECROP
0.1%	CHELONE GLABRA	TURTLEHEAD
0.10%	SOLIDAGO RUGOSA	WRINKLELEAF GOLDENROD

## NATIVE FLOODPLAIN SEED MIX COMPOSITION

~		
% COMPOSITION	BOTANICAL NAME	COMMON NAME
30.20%	SCHIZACHYRIUM SCOPARIUM	UTTLE BLUESTEM
22.00%	SORGHASTRUM NUTANS	INDIANGRASS
15.00%	ELYMUS VIRGINICUS	VIRGINIA WILDRYE
5.0%	ECHINACEA PURPUREA	PURPLE CONEFLOWER
5.0%	PANICUM CLANDESTINUM	DEERTONGUE
3.0%	CHAMAECRISTA FASCICULATA	PARTRIDGE PEA
3.0%	COREOPSIS LANCEOLATA	LANCELEAF COREOPSIS
3.0%	RUDBECKIA HIRTA	BLACKEYED SUSAN
3.0%	VERBENA HASTATA	BLUE VERVAIN
2.0%	HELIOPSIS HELIANTHOIDES	OXEYE SUNFLOWER
1.5%	ASCLEPIAS INCARNATA	SWAMP MILKWEED
1.0%	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER
1.0%	SENNA HEBECARPA	WLD SENNA
0.7%	PYCNANTHEMUM TENUIFOLIUM	NARROWLEAF MOUNTAINMIN
0.7%	SOLIDAGO NEMORALIS	GRAY GOLDENROD
0.6%	EUPATORIUM PERFOLIATUM	BONESET
0.5%	BAPTISIA AUSTRALIS	BLUE FALSE INDIGO
0.5%	GEUM CANADENSE	WHITE AVENS
0.5%	MONARDA FISTULOSA	WLD BERGAMOT
0.5%	TRADESCANTIA OHIENSIS	OHIO SPIDERWORT
0.5%	ZIZIA AUREA	GOLDEN ALEXANDERS
0.3%	PENSTEMON DIGITALIS	TALL WHITE BEARDTONGUE
0.2%	ASTER UMBELLATUS	FLAT TOPPED WHITE ASTER

## NATIVE DETENTION AREA SEED MIX COMPOSITION

% COMPOSTION	BOTANICAL NAME	COMMON NAME
26.00%	PANICUM VIRGATUM	SWITCHGRASS
25.00%	PANICUM CLANDESTINUM	DEERTONGUE
20.00%	CAREX VULPINOIDEA	FOX SEDGE
20.00%	ELYMUS VIRGINICUS	VIRGINIA WILDRYE
4.00%	AGROSTIS PERENNANS	AUTUMN BENTGRASS
3.00%	JUNOUS EFFUSUS	SOFT RUSH
1.00%	JUNCUS TENUIS	PATH RUSH
1.00%	PANICUM RIGIDULUM	REDTOP PANICORASS

## COVER/NURSE CROP SEEDING TABLE

SEEDING RATE	BOTANICAL NAME	COMMON NAME	SEEDING DATE
30 LB/AC	SECALE CEREAL	CEREAL RYE	11/1-2/28
30 LB/AC	AVENA SATIVA	GRAIN CATS	3/1-4/30
10 LB/AC	SETARIA ITALICA	FOXTAL MILLET	5/1-8/14
10 LB/AC	LOUIUM MULTFLORUM	ANNUAL RYEGRASS	8/15-10/31

### NATIVE UPLAND SEED MIX COMPOSITION

A COMPOSITION	BUTANICAL NAME	COMMON NAME
30.20%	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM
22.00%	SORGHASTRUM NUTANS	INDIANGRASS
15.00%	ELYMUS VIRGINICUS	VRGNA WLDRYE
5.00%	ECHINACEA PURPUREA	PURPLE CONEFLOWER
5.00%	PANICUM CLANDESTINUM	DEERTONGUE
3.00%	CHAMAECRISTA FASCICULATA	PARTRIDGE PEA
3.00%	COREOPSIS LANCEOLATA	LANCELEAF COREOPSIS
3.00%	RUDBECKIA HRTA	BLACKEYED SUSAN
3.00%	VERBENA HASTATA	BLUE VERVAIN
2.00%	HELIOPSIS HELIANTHOIDES	OXEYE SUNFLOWER
1.50%	ASCLEPIAS INCARNATA	SWAMP MILKWEED
1.00%	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER
1.00%	SENNA HEBECARPA	WILD SENNA
0.70%	PYCNANTHEMUM TENUFOLIUM	NARROWLEAF MOUNTAINMINT
0.70%	SOLIDAGO NEMORALIS	GRAY GOLDENROD
0.60%	EUPATORIUM PERFOLIATUM	BONESET
0.50%	BAPTISIA AUSTRALIS	BLUE FALSE INDIGO
0.50%	GEUM CANADENSE	WHITE AVENS
0.50%	MONARDA FISTULOSA	WLD BERGAMOT
0.50%	TRADESCANTIA CHIENSIS	OHIO SPIDERWORT
0.50%	ZIZIA AUREA	GOLDEN ALEXANDERS
0.30%	ASCLEPIAS SYRIACA	COMMON MILKWEED
0.30%	PENSTEMON DIGITALIS	TALL WHITE BEARDTONGUE
0.20%	ASTER UMBELLATUS	FLAT TOPPED WHITE ASTER

QUALIFIED PROFESSIONAL CERTIFICATION I CERTIFY THAT I AM A DULY CERTIFIED FOREST CONSERVATION QUALIFIED PROFESSIONAL UNDER THE LAWS OF THE STATE OF MARYLAND AND THAT THIS PIWAS PREPARED UNDER MY SUPERVISION. Date: 07/12/2021 JASON TRABAND 7455 NEW RIDGE ROAD, SUITE T HANOVER, MD 21076 410-694-9401

Consultants & Designers, Inc. 7455 New Ridge Road, Suite T Phone: (410) 694-9401 Hanover, Maryland 21076 Fax: (410) 694-9405

DESIGNED \_\_\_\_\_CS/JG DRAFTED \_\_\_\_JG/MW CHECKED CS

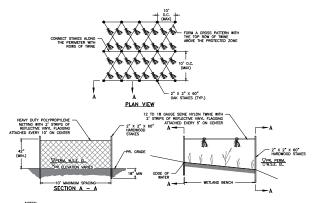
DEPARTMENT OF PUBLIC WORKS CITY OF **ROCKVILLE** 

DIRECTOR OF PUBLIC WORKS PMK# \_ scp# 2021-00009 SMP# 2021-00012 FTP# 2020-00001 AS BUILT PLAN APPROVAL

FOREST CONSERVATION AND PLANTING PLAN NOTES AND DETAILS

NORTHEAST PARK SWM RETROFIT AND STREAM RESTORATION BURGUNDY & CHESTNUT GROVE, P550 CITY OF ROCKVILLE, MARYLAND

SCALE SHEET FILE # 10/8/2021 NO. \_20 AS NOTED -295 IFB #05-22



Consultants & Designers, Inc.

7455 New Ridge Road, Suite T Phone: (410) 694-9401 Hanover, Maryland 21076 Fax: (410) 694-9405 www.baylandinc.com BAYLAND JOB NO. 8\_31901

- COD 1—65TS SHALL BE ESTALLD AT THE FORM ALONG THE WHITE ME DITTLE WITLING BOTH PERHETER, STAKES SHALL BE IN A WARRING FOR O'CA MED SHALL BE WORRD A MARKING FOR THE CETS! BUT PELYMPOPHIZHE KETTING WITH 11-3/4" O'PENNISS SHALL BE STREETORS TAUGHT AND ATTACHED TO COST ADACRDT STAKE IN MAR FOR LYBING 4—5 NEWLY DUTY. OR SERVING JUTE THE STORE AND HER AND HER PERMETER FOR THE OUTER THE THE STAKE AND SHACE TO THE WHITE PERMETER TO CONTINUE THE MARKET PERMETER FIREC. BUT BE OUTER THE STAKE AND SHACE TO THE WHITE PERMETER TO CONTINUE THE MARKET PERMETER FIREC. BUT BETTER THE CONTINUE THE STAKE AND SHACE TO THE STAKE SHACE BUT THE STAKE SHACE SHACE AND SHACE TO CONTINUE THE MARKET PERMETER FIREC.

NESSAMM IN PLACE UNITE THE VECTATION HAS HAD THE TO RECOME ESTABLISHED, AFTER TWO GROWNS SEASONS OR ON OF THE OWNER/OUTLOOPER THE PERIONS SHALL BE REMOVED FROM THE SITE AND ESPECIAL OF PROPERLY.

GOOSE EXCLUSION FENCING DETAIL

#### GENERAL PLANTING NOTES

- 1. ALL PLANT MATERIALS SHALL BE NURSERY GROWN AND SHALL CONFORM TO AMERICAN ASSOCIATION OF NURSERWARN INC. STANDARDS
- CONTRACTOR IS RESPONSIBLE TO VERIFY ALL UTILITY LOCATIONS PRIOR TO PLANTING MATERIAL. IF CONFLICTS ARISE BAYLAND, INC. AND THE CITY OF ROCKVILLE MUST BE NOTIFIED PRIOR TO ANY GROUND BREAKING.
- WETLAND PLANTING WILL BE ACCOMPUSHED BETWEEN MARCH 15TH AND MAY 15TH (SPRING PLANTING SEASON) OR SEPTEMBER 15TH AND NOVEMBER 15TH (FALL PLANTING SEASON).
- 4. TREES AND SHRUBS SHALL BE PLANTED FROM MARCH 1 TO MAY 31 AND FROM SEPTEMBER 15 TO DECEMBER 15 PLANTING MAY BE CONTINUED DURING THE WINTER MONTHS PROVIDING THERE IS NO FROST IN THE GROUND AND FROST FIRE TOPSOIL PLANTING MIXTURES ARE USED.
- NO CONTAINER-GROWN MATERIAL SHALL BE PLANTED IF NOT ACCLIMATED TO THE CURRENT WEATHER CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR CENERAL MAINTENANCE INCLUDING WATERING.
- NO AQUATIC BENCH PLANTINGS SHALL BE INSTALLED UNTIL POND HAS BEEN ALLOWED TO FILL AND BENCH HAS BECOME SATURATED. IMMEDIATELY INSTALL GOOSE PROTECTION FENCING (DETAIL THIS SHEET) AFTER INSTALLATION OF AQUATIC BENCH PLANTINGS).
- ALL AREAS WITHIN THE LIMITS OF DISTURBANCE SHALL BE STABILIZED PER THE DETAILS AND SPECIFICATIONS FOR VEGETATIVE ESTABLISHMENT.
- IF A MINIMUM COVERAGE OF 85% IS NOT ACHIEVED IN THE PLANTED AQUATIC BENCH AFTER THE SECOND GROWING SEASON, A REINFORCEMENT PLANTING WILL BE REQUIRED.

## PLANT MATERIALS AND PLANTING METHODS

THE LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL ALL OF THE PLANT MATERIALS CALLED FOR ON DRAWINGS AND/OR LISTED IN THE PLANT SCHEDULE.

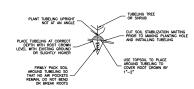
PLANT NAMES USED IN THE PLANT SCHEDULE SHALL CONFORM TO "STANDARDIZED PLANT NAMES", LATEST EDITION. 2. PLANT STANDARDS

## PLANTING WETHODS

ALL PROPOSED PLANT MATERIAL ARE TO BE PLANTED IN ACCORDANCE WITH THE FOLLOWING PLANTING METHODS DURING THE PROPER PLANTING SEASONS AS DESCRIBED IN THE FOLLOWING:

A. PLANTING SHALL BE IN ACCORDANCE WITH CITY OF ROCKVILLE SPECIFICATIONS AND SHALL NOT BE CONDUCTED BETWEEN JUNE 1 AND SEPTEMBER 1, OR AS DIRECTED BY THE CITY.

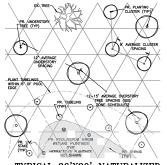
- B. PLANTING PITS SHALL BE IN ACCORDANCE WITH CITY OF ROCKVILLE SPECIFICATIONS OR AS DIRECTED BY THE CITY.



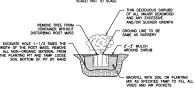
## TUBELING DETAILS



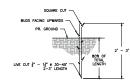
HERBACEOUS PLANTING - QUART



## TYPICAL 30'X30' NATURALIZED WOODY PLANTING DETAIL



## SHRUB PLANTING - CONTAINER GROWN



NOTES: LIVES THATS MUST BE INSTALLED WHATE DORMANT (DECEMBER 1 — APPIL 1), DO NOT ALLOW THEM I. LIVES STANCES MUST BE INSTALLED WHATE DORSING TO COMMAN BRANCHES OF COMMAN ANGUMEN (SLEVY DORSONOO), AND SAN MONON (BLOCK WILLOW) (MUST LOAD HERSON SHALL COMPARES SO PRICED TO FORCED TO THE COMMAN ANGUMENT ANGUMENT AND SHALL REALIZE COMPRIMATION OF SPECIES EACH LIVE CUTTING SHALL REALIZE TOWN AND SHALL HAVE A MANUAL MEDICATION OF A TOWN AND SHALL REALIZE TOWN AND SHALL HAVE A MANUAL MEDICATION OF A TOWN AND SHALL REALIZE TOWN AND SHALL HAVE A MANUAL MEDICATION OF A TOWN AND SHALL REALIZE TOWN AND SHALL HAVE A MANUAL MEDICATION OF A TOWN AND SHALL REALIZE TOWN AND

## LIVE STAKE DETAIL

OTES.

4 FIGURY OF CAGE SMALL BE
4 FIGURY.

4 FIGURY.

5 CUT A SECTION OF

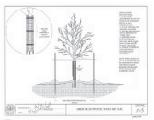
WELDED WRE FENCING
WHY PLANTIS; IN CENTER.

5 CRAFTE ENCLOSURE BY

KINGS OF THE STANDIS OF THE S

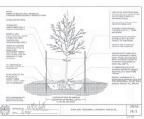
MULTI-PLANT ENCLOSURES SHALL HAVE POSTS SPACE

SHRUB PLANTING/MULTI-STEM TREE/GROUPED PLANTING DEER BROWSE PROTECTION



NOTE: MORE PROTECTION CAGES MIST BE WEIDED WIDE





SEE SHEET 16 FOR THE FOLLOWING DETAILS: TREE PROTECTION/HIGH VISIBILITY FENCE TREE PROTECTION SIGN



HERBACEOUS PLANTING - PLUG

DEPARTMENT OF PUBLIC WORKS DESIGNED \_\_\_\_\_CS/JG CITY OF DRAFTED \_\_\_\_\_JG/MW **ROCKVILLE** CHECKED CS

DESIGN PLAN APPROVAL AS BUILT PLAN APPROVAL 2021.11.08 17:08:34-05'00'
DIRECTOR OF PUBLIC WORKS — scp# 2021-00009 SMP# 2021-00012 FTP# 2020-00001 PLAN APPROVAL DATE

FOREST CONSERVATION AND PLANTING PLAN NOTES AND DETAILS

NORTHEAST PARK SWM RETROFIT AND STREAM RESTORATION BURGUNDY & CHESTNUT GROVE, P550 CITY OF ROCKVILLE, MARYLAND



## Forest and Tree Preservation Ordinance Notes

#### PRE-CONSTRUCTION

#### DURINGCONSTRUCTION

#### INSTALLATION OF PLANT MATERIAL

- uils of the process.

  Rest cuiliff.
  Rest cui

#### NON-NATIVE INVASIVE PLANT CONTROL:

# Soil Profile Rebuilding Specification

QUALIFIED PROFESSIONAL CERTIFICATION JASON TRABAND
7455 NEW RIDGE ROAD, SUITE T
HANOVER, MD 21076
410-694-9401
JTRABAND@BAYLANDING.COM FC-06

Consultants & Designers, Inc. 7455 New Ridge Road, Suite T Phone: (410, 694-9401 Hanover, Maryland 21076 Fax: (410, 694-9405 www.baylandinc.com

BAYLAND JOB NO. 8\_31901

DESIGNED \_\_\_\_CS/JG DRAFTED \_\_\_\_JG/MW CHECKED \_\_\_\_CS

DEPARTMENT OF PUBLIC WORKS CITY OF **ROCKVILLE** 

ROCKVILLE, MARYLAND

SCP# 2021-00009 SMP# 2021-00012 FTP# 2020-00001

AS BUILT PLAN APPROVAL CHIEF, CONSTRUCTION MANAGEMENT

FOREST CONSERAVTION AND PLANTING PLAN NOTES

NORTHEAST PARK SWM RETROFIT AND STREAM RESTORATION BURGUNDY & CHESTNUT GROVE, P550 CITY OF ROCKVILLE, MARYLAND

SCALE SHEET 10/8/2021 AS SHOWN IFB #05-22 OF \_22

FILE # NO. 22 F-295