L:\20000s\20034 A\Admin\04-ENGR\15-PropSitePlan\[2009-04-29_Reach 4A Planting Schedule.xls]Template

PLANTING SCHEDULE

CONTAINER PLANTING ZONE		SPECIES GROUP[1,2]	SPECIES[2]	INDICATOR STATUS	PLANT SPACING[3]	CONTAINER SIZE, RATE, AND QUANTITY[4] PLANTS PER ACRE	# OF PLANTS
RIPARIAN FOREST	TREE LAYER	1	QUERCUS ALBA (WHITE OAK)	FACU-	SEE NOTE #3	300 ONE-GALLON TUBELINGS -- or -- 600 TUBELINGS -- or -- MIX AT 1:2 RATIO (SEE NOTE #4)	576 (BASED ON ONE-GALLON)
			QUERCUS BICOLOR (SWAMP WHITE OAK)	FACW+			
			QUERCUS PALUSTRIS (PIN OAK)	FACW			
			QUERCUS PHELLOS (WILLOW OAK)	FAC+			
			QUERCUS RUBRA (NORTHERN RED OAK)	FACU-			
		2	ACER NEGUNDO (BOX ELDER)	FAC+	SEE NOTE #3	150 ONE-GALLON -- or -- 300 TUBELINGS -- or -- MIX AT 1:2 RATIO (SEE NOTE #4)	289 (BASED ON ONE-GALLON)
			ACER RUBRUM (RED MAPLE)	FAC			
			BETULA NIGRA (RIVER BIRCH)	FACW			
			LIQUIDAMBAR STYRACIFULA (SWEET GUM)	FAC			
			NYSSA SYLVATICA (BLACK GUM)	FACW+			
			PLATANUS OCCIDENTALIS (AMERICAN SYCAMORE)	FACW-			
		3	ILEX OPACA (AMERICAN HOLLY)	FACU+	SEE NOTE #3	100 ONE-GALLON -- or -- 200 TUBELINGS -- or -- MIX AT 1:2 RATIO (SEE NOTE #4)	192 (BASED ON ONE-GALLON)
	SHRUB LAYER	4	AMELANCHIER CANADENSIS (CANADIAN SERVICEBERRY)	FAC	SEE NOTE #3	150 ONE-GALLON -- or -- 300 TUBELINGS -- or -- MIX AT 1:2 RATIO (SEE NOTE #4)	289 (BASED ON ONE-GALLON)
			CERCIS CANADENSIS (EASTERN REDBUD)	FACU-			
			CORNUS FLORIDA (FLOWERING DOGWOOD)	FACU-			
			CORYLUS AMERICANA (AMERICAN HAZELNUT)	FACU-			
			LINDERA BENZOIN (NORTHERN SPICEBUSH)	FACW-			
			VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	FAC			
			VIBURNUM PRUNIFOLIUM (BLACK-HAW)	FACU			
RIPARIAN FOREST QUANTITY SUBTOTALS						**700**	**1,346**
STREAM BANK	TREE AND SHRUB LAYER	5	CORNUS AMOMUM (SILKY DOGWOOD)	FACW	SEE NOTE #3 (AVERAGES 3' O.C. FOR ONE-GALLON)	APPROX. 4865 ONE-GALLON -- or -- 9730 TUBELING	641 (BASED ON ONE-GALLON)
			ILEX VERTICILLATA (COMMON WINTERBERRY)	FACW+			
			SAMBUCUS CANADENSIS (ELDERBERRY)	FACW-			
			VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	FAC			
STREAM BANK QUANTITY SUBTOTALS						**---**	**641**
STREAM EDGE	TREE AND SHRUB LAYER	6	ALNUS SERRULATA (BROOKSIDE ALDER)	OBL	1' O.C. (SEE NOTES #5, #6)	N/A	5,770 (TUBELINGS OR LIVESTAKES ONLY -- SEE NOTE #5)
			CORNUS AMOMUM (SILKY DOGWOOD)	FACW			
			SALIX NIGRA (BLACK WILLOW)	FACW+			
			VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	FAC			
STREAM EDGE QUANTITY SUBTOTALS						**---**	**5,770**

PLANTING QUANTITIES (BASED ON ONE-GALLON SIZE)[4]

	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
AREA (SF):	3,002	2,932	4,750	4,662	3,493	3,384	1,619	1,361	18,738	5,632	20,206	8,745	15,748	14,666	9,143	520	11,524	713	7,078	1,716	7,244	6,378
AREA (AC):	0.07	0.07	0.11	0.11	0.08	0.08	0.04	0.03	0.43	0.13	0.46	0.20	0.36	0.34	0.21	0.01	0.26	0.02	0.16	0.04	0.17	0.15
LENGTH (LF):	681	646	1,046	1,040	675	657	580	445	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	129	39	138	60	108	102	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	65	20	69	30	54	51	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	43	13	46	20	36	34	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	65	20	69	30	54	51	-	-	-	-	-	-	-	-
	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**302**	**92**	**322**	**140**	**252**	**238**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	76	72	116	116	75	73	64	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	76	**72**	**116**	**116**	**75**	**73**	**64**	**49**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	681	646	1,046	1,040	675	657	580	445	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	681	**646**	**1,046**	**1,040**	**675**	**657**	**580**	**445**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

SEEDING SCHEDULE

SEED PLANTING ZONE	SPECIES GROUP[1,2]	SPECIES[2]	INDICATOR STATUS	SEEDING RATE[7] (LBS/AC)	AREA PER PLANT (AC)	QUANTITY (LBS)
RIPARIAN BUFFER SEED MIX	7	LOLIUM MULTIFLORUM (ANNUAL RYEGRASS)	NI	45.00	3.53	144.45
		SETARIA ITALICA (FOXTAIL MILLET) (OR ECHINOCHLOA CRUSGALII VAR. FRUMENTACEA)	UPL	45.00	3.53	144.45
	8	CAREX SCOPARIA (BLUNT BROOM SEDGE)	FACW	0.20	3.53	0.64
		CAREX SQUARROSA (SQUARROSE SEDGE)	NI	0.20	3.53	0.64
		CAREX VULPINOIDEA (FOX SEDGE)	OBL	0.20	3.53	0.64
		CYPERUS ESCULENTUS (CHUFA)	FACW	0.20	3.53	0.64
		JUNCUS EFFUSUS (SOFT RUSH)	FACW+	0.20	3.53	0.64
		JUNCUS TENUIS (PATH RUSH)	FAC-	0.20	3.53	0.64
	9	ELYMUS RIPARIUS (RIVERBANK WILD RYE)	FACW	10.00	3.53	32.10
		ELYMUS VIRGINICUS (VIRGINIA WILD RYE)	FACW-	10.00	3.53	32.10
		PANICUM CLANDESTINUM (DEER TONGUE GRASS)	FAC+	10.00	3.53	32.10
		PANICUM DICHOTOMIFLORUM (SMOOTH PANIC GRASS)	FACW-	10.00	3.53	32.10
	10	ANEMONE VIRGINIANA (THIMBLEWEED)	NI	0.10	3.53	0.32
		ASTER NOVAE-ANGLIAE (NEW ENGLAND ASTER)	FACW-	0.10	3.53	0.32
		ASTER PILOSUS (HEATH ASTER)	UPL	0.10	3.53	0.32
		ASTER PRENANTHOIDES (ZIG ZAG ASTER)	FAC	0.10	3.53	0.32
		LILIUM SUPERBUM (TURKSCAP LILY)	FACW+	0.10	3.53	0.32
		SOLIDAGO JUNCEA (EARLY GOLDENROD)	UPL	0.10	3.53	0.32
	11	EUPATORIUM FISTULOSUS (JOE PYE WEED)	FACW	0.10	3.53	0.32
		EUPATORIUM PERFOLIATUM (BONESET)	FACW+	0.10	3.53	0.32
		EUTHAMIA GRAMINIFOLIA (GRASS LEAVED GOLDENROD)	FAC	0.10	3.53	0.32
		SOLIDAGO CANADENSIS (CANADIAN GOLDENROD)	FACU	0.10	3.53	0.32
		SOLIDAGO SPECIOSA (SHOWY GOLDENROD)	UPL	0.10	3.53	0.32
		VERNONIA NOVEBORACENSIS (NEW YORK IRONWEED)	FACW+	0.10	3.53	0.32
		ZIZIA AUREA (GOLDEN ALEXANDERS)	FAC	0.10	3.53	0.32
	12	ASCLEPIAS SYRIACA (COMMON MILKWEED)	UPL	0.20	3.53	0.64
		BIDENS FRONDOSA (BEGGAR TICKS)	FACW	0.20	3.53	0.64
		HELENIUM AUTUMNALE (COMMON SNEEZEWEED)	FACW+	0.20	3.53	0.64
		HELIANTHUS ANGUSTIFOLIUS (NARROW-LEAF SUNFLOWER)	FACW	0.20	3.53	0.64
		ONOCLEA SENSIBILIS (SENSITIVE FERN)	FACW	0.20	3.53	0.64
		PENSTEMON DIGITALIS (PENSTEMON)	FAC	0.20	3.53	0.64
		VERBENA HASTATA (BLUE VERVAIN)	FACW+	0.20	3.53	0.64
		VERBESINA ALTERNIFOLIA (WINGSTEM)	FAC	0.20	3.53	0.64
	13	COREOPSIS LANCEOLATA (LANCE LEAVED COREOPSIS)	FACU	0.20	3.53	0.64
		HELIOPSIS HELIANTHOIDES (OXEYE SUNFLOWER)	UPL	0.20	3.53	0.64
		POLYGONUM PENSYLVANICUM (PA SMARTWEED)	FACW	0.20	3.53	0.64
		RUDBECKIA HIRTA (BLACK EYED SUSAN)	FACU-	0.20	3.53	0.64
		SENNA HEBECARPA (WILD SENNA)	FAC	0.20	3.53	0.64
	14	AMELANCHIER CANADENSIS (CANADIAN SERVICEBERRY)	FAC	0.20	3.53	0.64
		ARONIA MELANOCARPA (BLACK CHOKEBERRY)	UPL	0.20	3.53	0.64
		HAMAMELIS VIRGINIANA (WITCH HAZEL)	FAC-	0.20	3.53	0.64
		ILEX VERTICILLATA (WINTERBERRY)	FACW+	0.20	3.53	0.64
		LINDERA BENZOIN (NORTHERN SPICEBUSH)	FACW-	0.20	3.53	0.64
		PHYSOCARPUS OPULIFOLIUS (COMMON NINEBARK)	FACW-	0.20	3.53	0.64
		VIBURNUM DENTATUM (SOUTHERN ARROW WOOD)	FAC	0.20	3.53	0.64
		VIBURNUM PRUNIFOLIUM (BLACK-HAW)	FACU	0.20	3.53	0.64
	15	ACER RUBRUM (RED MAPLE)	FAC	0.20	3.53	0.64
		CARPINUS CAROLINIANA (MUSCLEWOOD)	FAC	0.20	3.53	0.64
		CERCIS CANADENSIS (EASTERN REDBUD)	FACU-	0.20	3.53	0.64
		CORNUS FLORIDA (FLOWERING DOGWOOD)	FACU-	0.20	3.53	0.64
		NYSSA SYLVATICA (BLACK GUM)	FAC	0.20	3.53	0.64
		PLATANUS OCCIDENTALIS (AMERICAN SYCAMORE)	FAC	0.20	3.53	0.64
SEEDING TOTALS				**137.90**		**442.66**

SEEDING QUANTITIES

	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
AREA (SF):	3,002	2,932	4,750	4,662	3,493	3,384	1,619	1,361	18,738	5,632	20,206	8,745	15,748	14,666	9,143	520	11,524	713	7,078	1,716	7,244	6,378
AREA (AC):	0.07	0.07	0.11	0.11	0.08	0.08	0.04	0.03	0.43	0.13	0.46	0.20	0.36	0.34	0.21	0.01	0.26	0.02	0.16	0.04	0.17	0.15
	3.150	3.150	4.950	4.950	3.600	3.600	1.800	1.350	19.350	5.850	20.700	9.000	16.200	15.300	9.450	0.450	11.700	0.900	7.200	1.800	-	-
	3.150	3.150	4.950	4.950	3.600	3.600	1.800	1.350	19.350	5.850	20.700	9.000	16.200	15.300	9.450	0.450	11.700	0.900	7.200	1.800	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.700	0.700	1.100	1.100	0.800	0.800	0.400	0.300	4.300	1.300	4.600	2.000	3.600	3.400	2.100	0.100	2.600	0.200	1.600	0.400	-	-
	0.700	0.700	1.100	1.100	0.800	0.800	0.400	0.300	4.300	1.300	4.600	2.000	3.600	3.400	2.100	0.100	2.600	0.200	1.600	0.400	-	-
	0.700	0.700	1.100	1.100	0.800	0.800	0.400	0.300	4.300	1.300	4.600	2.000	3.600	3.400	2.100	0.100	2.600	0.200	1.600	0.400	-	-
	0.700	0.700	1.100	1.100	0.800	0.800	0.400	0.300	4.300	1.300	4.600	2.000	3.600	3.400	2.100	0.100	2.600	0.200	1.600	0.400	-	-
	0.007	0.007	0.011	0.011	0.008	0.008	0.004	0.003	0.043	0.013	0.046	0.020	0.036	0.034	0.021	0.001	0.026	0.002	0.016	0.004	-	-
	0.007	0.007	0.011	0.011	0.008	0.008	0.004	0.003	0.043	0.013	0.046	0.020	0.036	0.034	0.021	0.001	0.026	0.002	0.016	0.004	-	-
	0.007	0.007	0.011	0.011	0.008	0.008	0.004	0.003	0.043	0.013	0.046	0.020	0.036	0.034	0.021	0.001	0.026	0.002	0.016	0.004	-	-
	0.007	0.007	0.011	0.011	0.008	0.008	0.004	0.003	0.043	0.013	0.046	0.020	0.036	0.034	0.021	0.001	0.026	0.002	0.016	0.004	-	-
	0.007	0.007	0.011	0.011	0.008	0.008	0.004	0.003	0.043	0.013	0.046	0.020	0.036	0.034	0.021	0.001	0.026	0.002	0.016	0.004	-	-
	0.007	0.007	0.011	0.011	0.008	0.008	0.004	0.003	0.043	0.013	0.046	0.020	0.036	0.034	0.021	0.001	0.026	0.002	0.016	0.004	-	-
	0.007	0.007	0.011	0.011	0.008	0.008	0.004	0.003	0.043	0.013	0.046	0.020	0.036	0.034	0.021	0.001	0.026	0.002	0.016	0.004	-	-
	0.007	0.007	0.011	0.011	0.008	0.008	0.004	0.003	0.043	0.013	0.046	0.020	0.036	0.034	0.021	0.001	0.026	0.002	0.016	0.004	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	0.014	0.014	0.022	0.022	0.016	0.016	0.008	0.006	0.086	0.026	0.092	0.040	0.072	0.068	0.042	0.002	0.052	0.004	0.032	0.008	-	-
	9.65	9.65	15.17	15.17	11.03	11.03	5.52	4.14	59.30	17.93	63.43	27.58	49.64	46.89	28.96	1.38	35.85	2.76	22.06	5.52	-	-

SEE SECOND VEGETATION SCHEDULE SHEET FOR NOTES.

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Northern Virginia Stream Restoration Bank
The Glade - Reach 4A
Fairfax County, Virginia

Vegetation Schedule

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COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
FRANK R. GRAZIANO
Lic. No. 032099

REVISIONS

No.	Date	Description	Rev. By	App. By

SCALE: N/A

DATE: MAY 2009

Horizontal Datum: N/A

Vertical Datum: N/A

Boundary and Topo Source: N/A

Design	Draft	Approved
KLS	KLS	FRG

Sheet # 28 of 105

Computer File Name:
L:\20000s\20034 A\CAD\04-ENGR\15-PropPlans\VEGETATION SCHEDULE.dwg