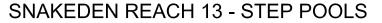


			PLANTING SCHEDULE			
CONTAINER PLANTING ZONE		SPECIES GROUP ^{1,2}	SPECIES ²	INDICATOR STATUS	PLANT SPACING ³	CONTAINER SIZE, RATE, AND QUANTITY ⁴ PLANTS
	TREE LAYER	1	QUERCUS ALBA (WHITE OAK)	FACU-	SEE NOTE #3	PER ACRE 300 ONE-GALLON TUBELINGS or 600 TUBELINGS or MIX AT 1:2 RATIO (SEE NOTE #4)
PIPARIAN FOREST			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)
			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)
	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)
			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		
IPARIAN	FOREST (UANTIT	Y SUBTOTALS			700
STPEAM BANK	TREE AND SHRUB LAYER	5	ILEX VERTICILLATA (COMMON WINTERBERRY)	FACW+	SEE NOTE #3 (AVERAGES 3' O.C. FOR ONE-GALLON)	APPROX. 4865 ONE-GALLON or
			LINDERA BENZOIN (NORTHERN SPICEBUSH)	FACW-		
			SAMBUCUS CANADENSIS (ELDERBERRY)	FACW-		
			VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	FAC		9730
			VIBURNUM PRUNIFOLIUM (BLACK-HAW)	FACU		TUBELING
TREAM	BANK QUA	NTITY SL	JBTOTALS			
STPEAM EDGE	TREE AND SHRUB LAYER	6	ALNUS SERRULATA (BROOKSIDE ALDER)	OBL	1' O.C. (SEE NOTES #5, #6)	N/A
			CORNUS AMOMUM (SILKY DOGWOOD)	FACW		
			SALIX NIGRA (BLACK WILLOW)	FACW+		
			VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	FAC		
TDEAN	EDGE OUA	MITITY CI	JBTOTALS	1		

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

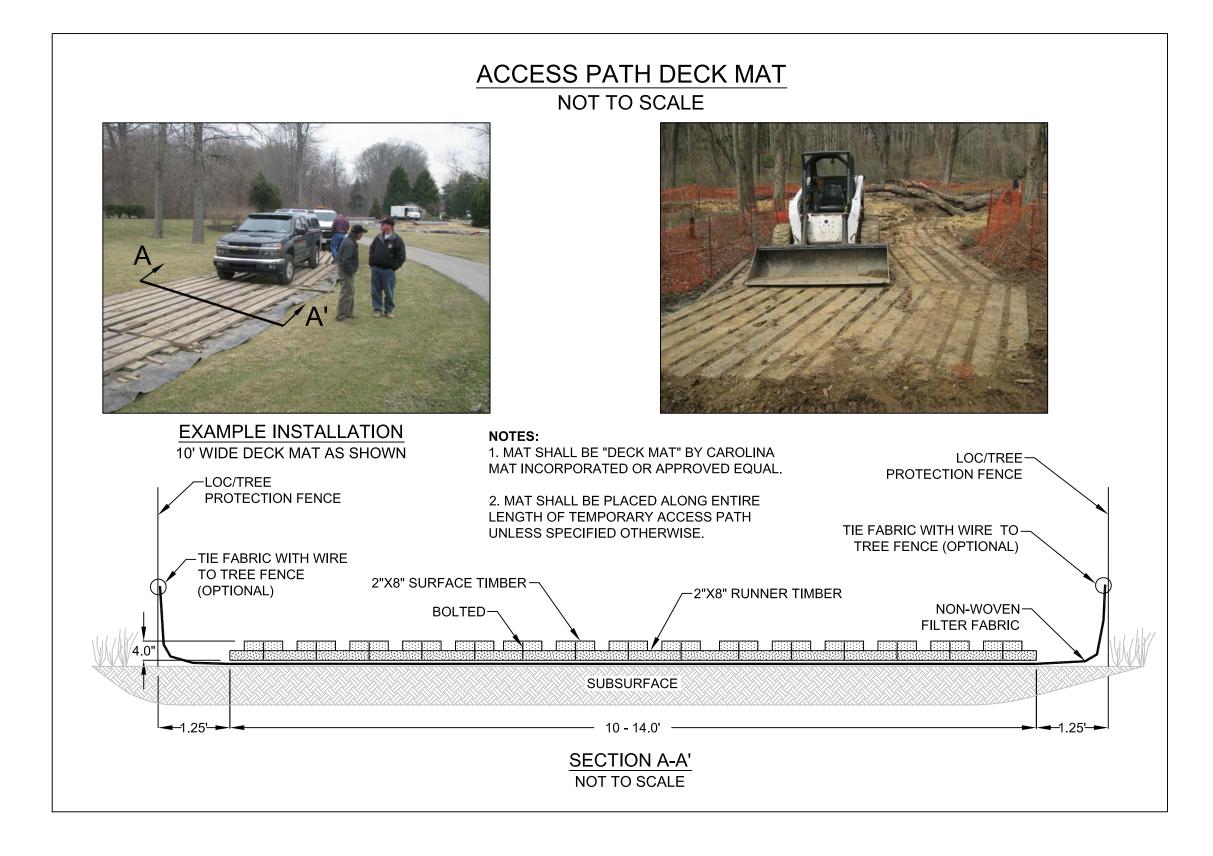
SEEDING SCHEDULE







GLADE REACH 1 - MODIFIED CROSS VANE



DRAFT 02 - 27 - 2012

Wetland

5300 Wellington Branch Drive, Suite 100 • Gainesville, VA 20155 Phone 703 679 5600 • Fax 703 679 5601

PLANTING AND SEEDING NOTES:

1. IT IS EXPECTED AND PREFERRED THAT ALL SPECIES IN EACH OF THE SPECIES GROUPS ARE PLANTED. THE TOLERANCES LISTED IN THIS NOTE ARE INTENDED TO INCORPORATE FLEXIBILITY ACCORDING TO SPECIES AVAILABILITY. AT A MINIMUM,

H) 4 OF THE 6 SPECIES IN GROUP 8,

I) 3 OF THE 4 SPECIES IN GROUP 9,

J) 5 OF 6 SPECIES IN GROUP 10,

K) 5 OF 7 IN GROUP 11,

L) 6 OF 8 IN GROUP 12

M) 4 OF 5 IN GROUP 13,

O) 5 OF 6 IN GROUP 15.

N) 5 OF 8 IN GROUP 14, AND

- CONTRACTOR TO PROVIDE AT LEAST: A) 3 OF THE 5 SPECIES IN GROUP 1, B) 4 OF THE 6 SPECIES IN GROUP 2, C) ALL OF GROUP 3,
- D) 5 OF THE 7 SPECIES IN GROUP 4, E) 3 OF THE 5 SPECIES IN GROUP 5, F) 3 OF THE 4 SPECIES IN GROUP 6 (WITH SALIX NIGRA A REQUIRED SPECIES), G) ALL OF GROUP 7,
- 2. SUBSTITUTIONS FOR SELECTED SPECIES BASED UPON AVAILABILITY SHALL BE REQUESTED IN WRITING TO ENGINEER DOCUMENTING THE LACK OF AVAILABILITY IF THE FLEXIBILITY INHERENT IN THE ABOVE SCHEDULE IS STILL NOT SUFFICIENT. ENGINEER IS UNDER NO OBLIGATION TO APPROVE SUBSTITUTIONS.
- 3. THE PLANTED TREES AND SHRUBS SHALL BE RANDOMLY SPACED AND SPECIES MIXED THROUGHOUT THE PLANTING AREAS.
- 4. CONTAINER RATES AND QUANTITIES SHOWN FOR ONE GALLON SIZE. FOR PURPOSES OF SUBSTITUTION, TWO TUBELINGS ARE THE EQUIVALENT OF ONE 1-GALLON CONTAINER PLANT IN THIS SCHEDULE. CONTRACTOR MAY PROVIDE A MIX OF CONTAINER AND TUBELING SIZES FOR EACH SPECIES REQUIREMENT, PROVIDED THE RATIO OF TUBELINGS TO CONTAINERS IS NOT LESS THAN 2:1. EXCEPTION -- GROUP 6 (STREAM EDGE) SHALL BE PLANTED IN ACCORDANCE WITH NOTE #5.
- 5. GROUP 6 (STREAM EDGE) ZONE SHALL BE PLANTED WITH TUBELINGS, OR AS LIVESTAKES (SALIX NIGRA ONLY, AND ONLY BETWEEN FEBRUARY 1 AND MARCH 31). NO ONE GALLONS ARE TO BE USED FOR ANY OF THIS GROUP'S SPECIES.
- 6. STREAM BANK AND STREAM EDGE ZONES SHALL BE PLANTED SUCH THAT THE COMBINED MIX OF SPECIES IS SPACED APPROX. 3' O.C. AND 1' O.C, RESPECTIVELY. THESE ZONES SHALL NOT BE PLANTED SUCH THAT EACH INDIVIDUAL SPECIES IN THESE ZONES IS PLANTED AT THESE RATES, RESULTING IN TIGHTER SPACING.
- 7. ALL SEEDING RATES ARE EXPRESSED IN POUNDS OF PURE LIVE SEED (PLS).

Northern Virginia Stream Restoration Bank Vantage Hill

Fairfax County, Virginia

Preliminary Plan

DATE: AUGUST 30, 2011

Copyright (C) 2012 Wetland Studies and Solutions, Inc. **REVISIONS** H. D.: VCS NAD 83 V. D.: NGVD 2 Rev. App. Boundary and Topo Source:
By By WSSI and Fairfax Digital Data Rev. App. No. Date No. Date Description Description Design Draft KLP KLP FRG 3 of 3 Computer File Name: SCALE: 1'' = 30' | C.I. = 0.5'