DRAFT

REACH 4B LEGEND

PROPERTY BOUNDARY	ACCESS PATH
EXISTING CONTOURS (0.5')	NEST
EXISTING INFRASTRUCTURE	CAVITY
FLOODPLAIN EASEMENT	SUBSURFACE EROSIONAL FEATURE
NONPERENNIAL STREAM (EXISTING TOP OF BANK)	SNAG
PERENNIAL STREAM (EXISTING TOP OF BANK)	DEN
PROPOSED TOP OF BANK	TREE TO BE REMOVED
PROPOSED CENTERLINE	
PROPOSED CONTOURS (0.5')	
LOC — LIMITS OF CLEARING FOR ACCESS	

STREAM LENGTH

REACH 4B	= 2,385'
TRIBUTARY 1	= 38'
TRIBUTARY 2	= 74'
TRIBUTARY 3	= 34'
TRIBUTARY 4	= 78'
TRIBUTARY 5	= 12'
TOTAL	= 2,621'

ACCESS PATH DECK MATS SHALL BE PLACED ALONG ENTIRE LENGTH OF TEMPORARY ACCESS PATH UNLESS SPECIFIED OTHERWISE.

REACH 4B (16+52 TO 33+85):
WIDTH = 20.0'
DEPTH = 2.1'
PROPOSED LENGTH = 1733'
R MIN = 53'

SHIFTED ACCESS PATH TO SAVE TREES 33706 AND 33707.

END TEMPORARY CONSTRUCTION ENTRANCE (CE) AND START DECK MAT TEMPORARY ACCESS PATH

REMOVE EXISTING DEBRIS FROM CONCRETE DITCH

SHIFTED ACCESS PATH TO SAVE TREE 22597 AND 3" HOLLY.

TRIBUTARY 5
WIDTH = 3.0'
DEPTH = 0.3'
PROPOSED LENGTH = 12'
R MIN = NO CURVES

EXISTING MEANDER IS VERY TIGHT. ENLARGED RADIUS TO IMPROVE BANK STABILITY & CHANNEL GEOMETRY.

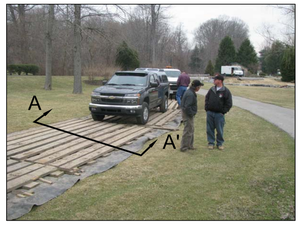
MOVE CHANNEL TO LEFT TO SAVE TREES 21727, 21728, 21729, 21730, & 21732.

TIE OUT RIGHT BANK GRADING AT A 3:1 SLOPE

1 REVISED ALL LIMITS OF CLEARING AND TEMPORARY ACCESS PATH TO STANDARDIZED WIDTH, PROVIDE STORAGE, AND INCLUDE STREAM.

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET) 1 inch = 30 feet

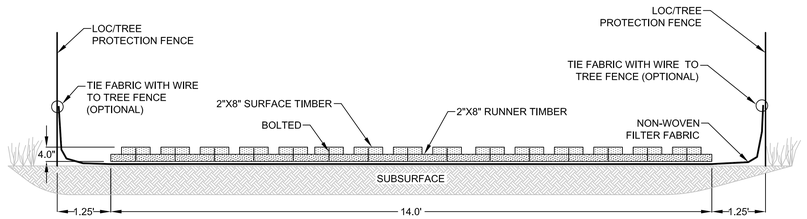
ACCESS ROAD DECK MAT
NOT TO SCALE



EXAMPLE INSTALLATION
10' WIDE DECK MAT AS SHOWN

NOTES:
1. MAT SHALL BE "DECK MAT" BY CAROLINA MAT INCORPORATED OR APPROVED EQUAL.

2. MAT SHALL BE PLACED ALONG ENTIRE LENGTH OF TEMPORARY ACCESS PATH UNLESS SPECIFIED OTHERWISE.



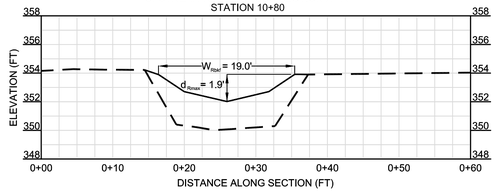
SECTION A-A'
NOT TO SCALE

REACH 4 - PROPOSED BRIDGE DIMENSIONS

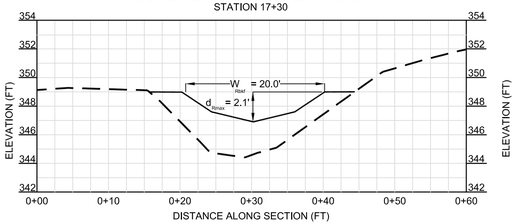
REACH NAME	WSSI ID#	RESTON PLAC. #	BANKFULL WIDTH (FT)	EXISTING		PROPOSED	
				LENGTH (FT)	WIDTH (FT)	LENGTH (FT)	WIDTH (FT)
REACH 4A	14	12	16	21	4	NOT TO BE REPLACED	
	15	63	16.5	20	10	26	10
	16	62	18	18	10	28	10
	28	N/A (NEW)	11.5	N/A	N/A	22	10
REACH 4B	17	59	19	19.5	10	28	10
	18	60	6	14	10	NOT TO BE REPLACED	
	19	57	20	18	10	28	10

NOTES:
1. BOTTOM OF BRIDGE DECK TO BE 2 FT HIGHER THAN BANKFULL DEPTH

UPSTREAM RIFFLE CROSS-SECTION A - A'
STATION 10+80



DOWNSTREAM RIFFLE CROSS-SECTION B - B'
STATION 17+30



CROSS SECTION LEGEND
PROPOSED STREAM
EXISTING STREAM

SCALE: H/V: 2:1

NORTHERN VIRGINIA STREAM RESTORATION BANK
THE GLADE - REACH 4B

Fairfax County, Virginia

Preliminary Plan

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REVISIONS

No.	Date	Description	Rev. By	App. By	No.	Date	Description	Rev. By	App. By
1	3/23/2009	Revised Limits of Clearing and Access Path	SRP	FRG	6	3/23/2009	Revised legend and stream lengths	SRP	FRG
2	3/23/2009	Fine grading around bridges and walls	SRP	FRG	8	3/23/2009	Added tributary grading	SRP	FRG
3	3/23/2009	Revised bridge table	SRP	FRG	10	3/23/2009	Clear debris from concrete ditch	SRP	FRG
4	3/23/2009	Added trees to be saved (14 Total)	SRP	FRG	11	3/23/2009	Decreased steppool depth	SRP	FRG
5	3/23/2009	Added trees to be removed (5 Total)	SRP	FRG					

H. D.: VCS NAD 83 V. D.: NGVD 29

Boundary and Topo Source: WSSI and Fairfax Digital Data

Design	Draft	Approved
SRP	SRP	FRG

Sheet # 3 of 3

DATE: MARCH 7, 2009 SCALE: 1" = 30'

Computer File Name: L:\20000s\20034\BCAD\E04-ENGR