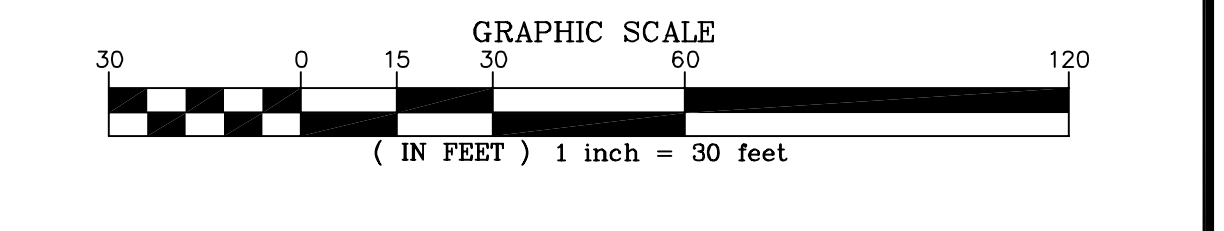


PRELIMINARY PLAN LEGEND

--- TEMP. GRADING & CONST. ESMNT. & INGRESS-EGRESS ESMINT	▲ NEST
--- PROPOSED STREAM ESMINT	□ CAVITY
--- PROPOSED STREAM ESMNT, TEMP. GRADING & CONST. ESMNT. & INGRESS-EGRESS ESMINT	● VERNAL POOL
--- EXISTING CONTOURS (0.5')	◆ SNAG
--- EXISTING INFRASTRUCTURE	◇ DEN
--- FLOODPLAIN EASEMENT	□ ACCESS PATH
--- PERENNIAL STREAM (EXISTING TOP OF BANK)	✗ TREE TO BE REMOVED
▲ JURISDICTIONAL WETLAND AREAS	--- FP --- EXISTING 100-YR FLOOD ELEVATION
--- LTS --- LIMITS OF TREE SURVEY	--- FP --- PROPOSED 100-YR FLOOD ELEVATION
--- PROPOSED BANKFULL TOP OF BANK	--- LOC-TP --- LIMITS OF CLEARING/TREE PROTECTION FENCE
--- PROPOSED CENTERLINE	--- --- PEDESTRIAN BARRICADE
--- PROPOSED CONTOURS (0.5')	
--- LOMA --- LIMITS OF MOWED AREA	



STREAM LENGTH:

HICKORY CLUSTER = 553'

VANTAGE HILL = 610'

TOTAL STREAM LENGTH = 1,163'

VANTAGE HILL
(10+00 TO 16+14):
BANKFULL CHANNEL
WIDTH = 12'
DEPTH = 1.0'
PROPOSED LENGTH = 614'

START RESTORATION AT
MIGRATING HEADCUT

INSTALL 2 - 48" Ø CMPs
100' LONG IN EXISTING
CHANNEL AND LEVEL AREA
FOR USE AS STAGING AREA

EXISTING 100-YR
FLOODPLAIN
PROPOSED 100-YR
FLOODPLAIN

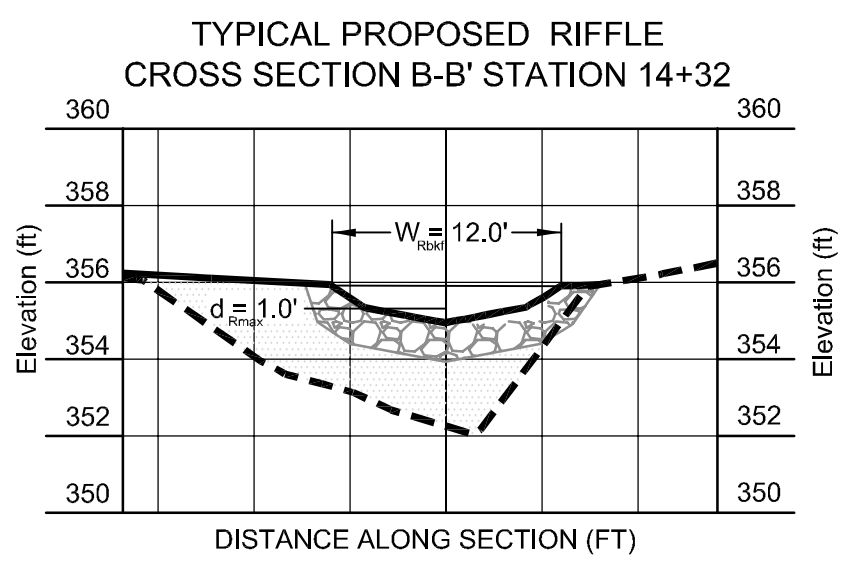
PROPOSED RESTORATION
EASEMENT ENCOMPASSES
PROPOSED 100-YR FLOODPLAIN

EXTEND CULVERT OUTFALL
TO INSTALL CONSTRUCTION
ACCESS PATH

EDGE OF
PAVEMENT

HICKORY CLUSTER PROPERTY
INCLUDES LAST TWO STEP
POOLS AND TIE-IN AT CULVERT.

STABILIZE ERODING DRAINAGE
SWALES UPSLOPE OF CULVERT.

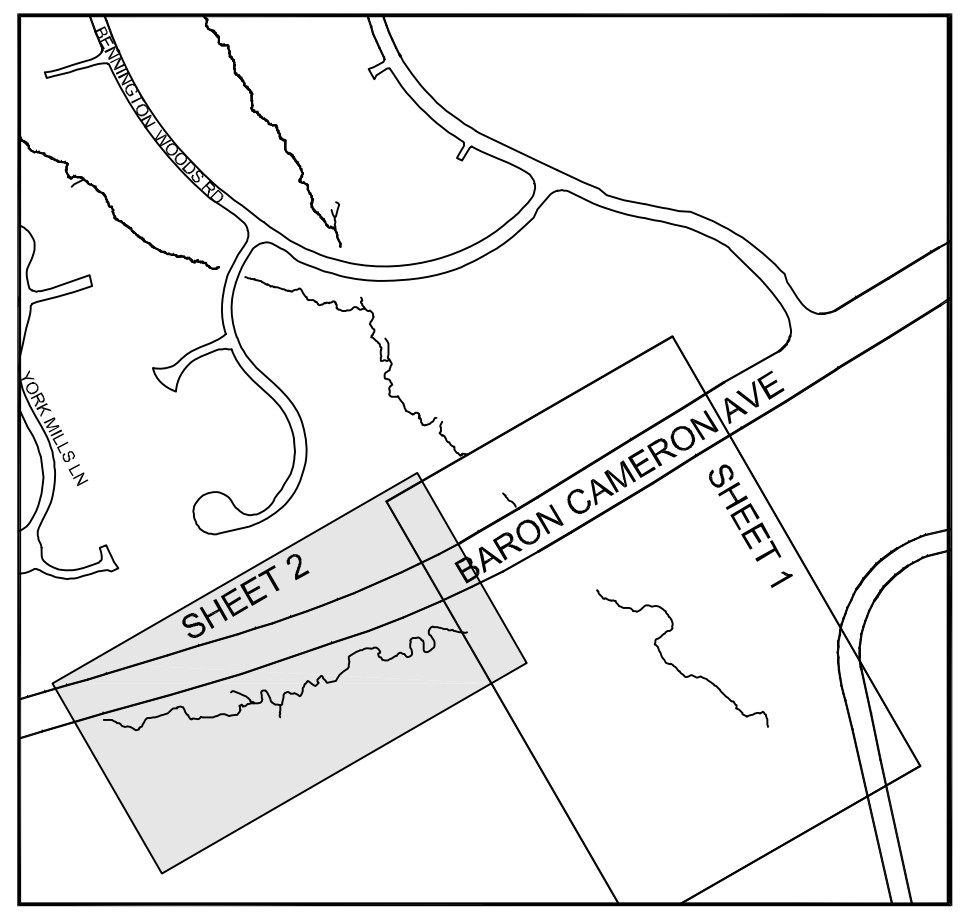


CROSS SECTION LEGEND

--- PROPOSED STREAM

--- EXISTING CHANNEL

SCALE:
HV: 2:1



Northern Virginia Stream Restoration Bank
Hickory Cluster
Fairfax County, Virginia

Preliminary Plan

Copyright © 2010 Wetland Studies and Solutions, Inc.

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

REVISIONS										H. D.: VCS NAD 83 V. D.: NGVD 29		
No.	Date	Description	Rev. By	App. By	No.	Date	Description	Rev. By	App. By	Boundary and Topo Source: WSSI and Fairfax Digital Data		
										Design	Draft	Approved
										KLP	KLP	FRG
										Sheet #		
										2 of 3		

DATE: MAY 18, 2010

SCALE: 1" = 30'

C.I. = 0.5'

Computer File Name:
D:\Projects\2010\0518\0518-VCS-09-River-Plan\2 PRELIMINARY PLAN.dwg