STABILIZE AND TIE-IN SWALE WITH REINFORCED BED MATERIAL. SPECIFIC DEPTH/PLACEMENT TO BE DETERMINED BY WSSI FIELD ENGINEER.

CONSTRUCTION IS TO BEGIN DOWNSTREAM OF THE CONCRETE APRON AT STATION 12+43.80

COLTS NECK ROAD (ROUTE 4701)

STA = 12+43.80 INV = 398.29

APPROXIMATE (UNSURVEYED) LOCATION OF EXPOSED UNDERGROUND UTILITY LINES. CONTRACTOR SHALL USE CAUTION IN THIS AREA.

IMBRICATED ROCK WALL - SEE DETAIL SHEET 9

REPLACE EXISTING BRIDGE (WSSI ID #4. NO RESTON ID.) SEE BRIDGE DETAILS SHEET FOR DESIGN AND DETAILS. 4.5' ASPHALT TRAIL SHALL TIE INTO EXISTING TRAILS AS SHOWN.

PLACE CLASS II RIPRAP UNDER BRIDGE AT GRADE (AS SHOWN). SPREAD 4" SALVAGED STREAMBED MATERIAL IN LOW-FLOW CHANNEL AND FILL VOIDS WITH TOPSOIL/SAND MIXTURE ABOVE LOW FLOW CHANNEL.

EX. FLOOD PLAIN ESMT (DB. 2499, Pg. 339)

WORK SHALL BE LIMITED TO WITHIN THE EXISTING CHANNEL AS MUCH AS POSSIBLE USING SUITABLE TRACKED EQUIPMENT TO LIMIT IMPACT TO TREES AND OTHERWISE STABLE BANKS.

PRIOR TO CONSTRUCTION, LOC SHALL BE WALKED WITH WSSI STAFF TO CONFIRM TREE REMOVAL.

SEE EROSION AND SEDIMENT CONTROL PLAN FOR ACCESS DETAILS.

CONTACT MISS UTILITY (800-552-7001) PRIOR TO COMMENCING ANY WORK.

REACH 2

TEMPORARY ACCESS PATH

APPROXIMATE (UNSURVEYED) LOCATION OF EXPOSED UNDERGROUND UTILITY LINES. CONTRACTOR SHALL USE CAUTION IN THIS AREA.

STA = 13+13.50 INV = 398.09

STA = 13+61.70 INV = 397.83

STA = 14+14.13 INV = 397.46

STA = 14+95.00 INV = 396.64

STA = 14+58.60 INV = 396.34

STA = 15+46.49 INV = 395.93

STA = 15+79.50 INV = 395.64

STA = 16+15.38 INV = 395.27

STA = 16+77.14 INV = 394.60

STA = 17+46.81 INV = 393.93

STA = 17+51.81 INV = 392.39

STA = 18+33.65 INV = 392.74

N 35°43'12" W 895.45'

N 51°11'47" W 92.20'

N 38°40'00" W 167.00'

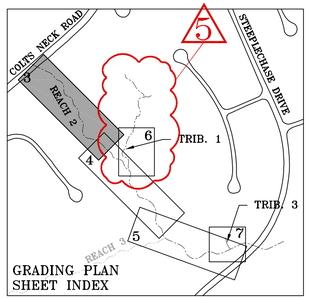
STREAM RESTORATION EASEMENT (DB. 19405, Pg. 1948)

N 39°30'31" W 173.64'

MATCHLINE A SHEET 4

SEE SHEET 7 FOR GRADING LEGEND AND NOTES.

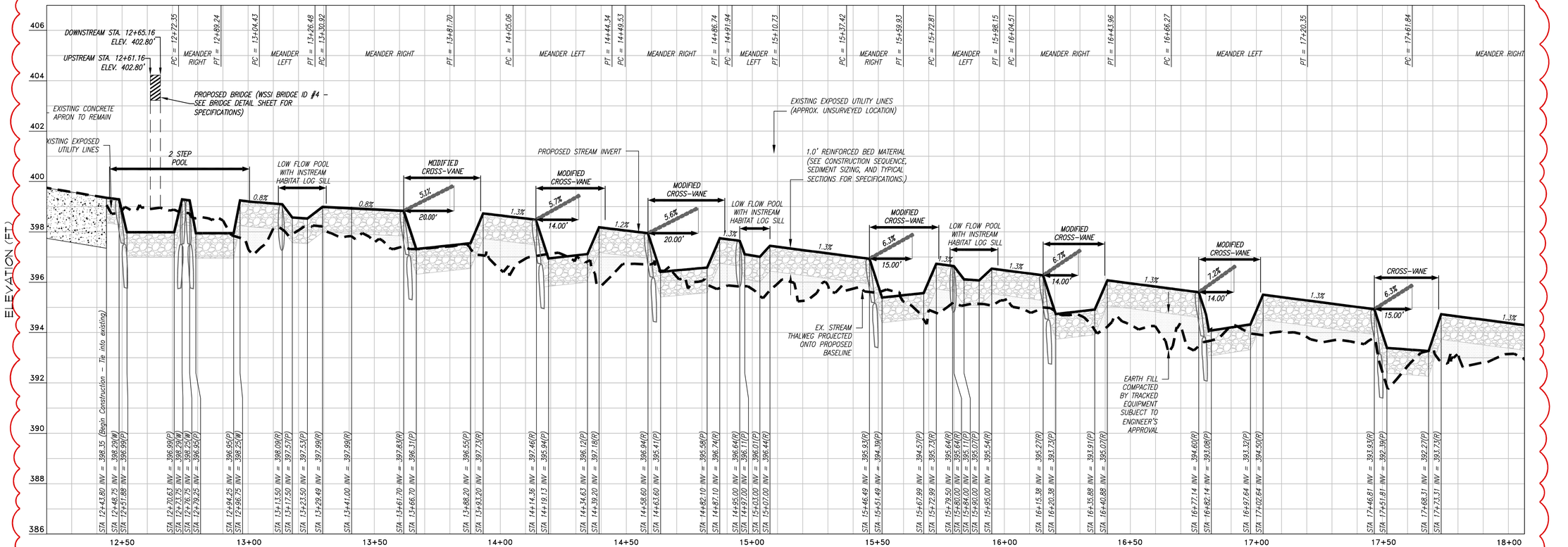
GRADING PLAN SHEET INDEX



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET) 1 inch = 20 feet



SEE SHEET 7 FOR PROFILE LEGEND AND NOTES.

LONGITUDINAL PROFILE
SCALE: H: 1"=20'
V: 1"= 2'

Wetland Studies and Solutions, Inc.
5300 Wellington Branch Drive, Suite 100 • Gainesville, VA 20155
Phone 703.679.5600 • Fax 703.679.5601
wetlandstudies.com

Northern Virginia Stream Restoration Bank
The Glade - Reach 2
Fairfax County, Virginia

Grading Plan and Longitudinal Profile

Copyright © 2009 Wetland Studies and Solutions, Inc.

COMMONWEALTH OF VIRGINIA
FRANK R. GRAZIANO
Lic. No. 032089
PROFESSIONAL ENGINEER

REVISIONS

No.	Date	Description	Rev. By	Appr. By
1	12/08	REVISED LOC/TEMP. ACCESS PATH		
2	12/08	ALIGNMENT, PROFILE, & STRUCTURES		
3	12/08	BRIDGE DECK ELEVATIONS		
5	12/08	REMOVED TRIB 2 AND UPSTREAM TRIB 1		

DATE: OCTOBER, 2008

SCALE: 1" = 20'

Horizontal Datum: VCS NAD 83

Vertical Datum: NGVD 29

Boundary and Topo Source: WSSI and Fairfax Digital Data

Design	Draft	Approved
JBP	JBP	FRG

Sheet # 3 of 63

Computer File Name:
I:\2008\08-025\Cad\4of4\DWB\14Sheet GRADING PLAN & PROFILE 01.dwg