NO RIPRAP SHALL BE INSTALLED OVER SANITARY SEWER. CROSSING. PLACE 5' OF CLASS II RIPRAP UP TO BANKFULL, UPSTREAM AND DOWNSTREAM OF THE CROSSING. REINFORCED BED MATERIAL SHALL BE PLACED DIRECTLY ON TOP OF THE CROSSING (5' WIDTH) TO COVER PIPE BETWEEN RIPRAP STABILIZATION. SALVAGED COBBLE/GRAVEL/SAND SUBSTRATE SHALL BE PLACED OVER CLASS II RIPRAP AND PIPE.

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

DO NOT REMOVE TREES ON RIGHT BANK (21165) FILL IN AND AROUND ROOTS TO STABILIZE.

REPLACE EXISTING BRIDGE (WSSI ID #16, RESTON PLAC. #62). SEE BRIDGE DETAILS SHEET FOR DESIGN AND DETAILS. TRAIL SHALL TIE INTO EXISTING TRAILS AS SHOWN AND BE 8' WIDE, 2" THICK TYPE I ASPHALT BIKEWAY WITH 2' SHOULDER PURSUANT TO THE FAIRFAX COUNTY PFM SECTION 8-0000, "SIDEWALKS, TRAILS, AND RECREATION".

CONTRACTOR SHALL TAKE EXTRA CARE WHEN WORKING AROUND THE EXISTING SANITARY SEWER LINES. CONTRACTOR SHALL NOT SIT EQUIPMENT ON THE LINE, EXCAVATE, OR POUND ROCKS INTO PLACE OVER THE LINE, ETC.

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

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

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

REVISED LIMITS OF CLEARING / TREE PROTECTION AND TEMPORARY ACCESS PATH.

OFFSET EACH ROCK TIER 6" TOWARD BANK

REFER TO THE EROSION AND SEDIMENT CONTROL PLAN FOR ACCESS DETAILS, AND REFER TO REACH 4B (PROVIDED UNDER SEPARATE SUBMISSION) FOR CONTINUATION OF ACCESS PATH.

STREAM RESTORATION EASEMENTS D.B. 19405, PG. 1963
STREAM RESTORATION EASEMENTS D.B. 19405, PG. 2037
STREAM RESTORATION EASEMENTS D.B. 19405, PG. 1971
STREAM RESTORATION EASEMENTS D.B. 19405, PG. 2047

STA 13+08 INV = 374.32
STA29+47.84 INV = 357.09
STA30+20.99 INV = 356.47
STA31+05.00 INV = 355.87
STA32+28.52 INV = 354.76
STA32+87.60 INV = 354.53
STA33+70.00 INV = 353.93

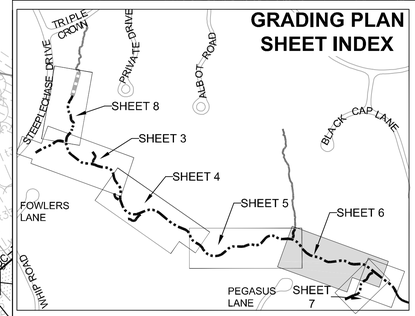
MATCHLINE D - SEE SHEET 5
MATCHLINE E - SEE SHEET 7
MATCHLINE F - SEE SHEET 7

TRIBUTARY 2

EL. 363.50
EL. 364.00
EL. 361.50

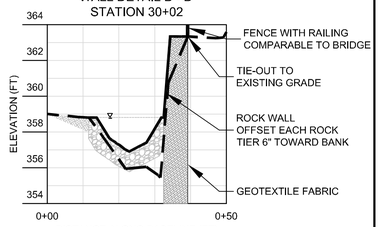
GRAPHIC SCALE
(IN FEET) 1 inch = 20 feet

GRADING PLAN SHEET INDEX



REFER TO SHEET 8 FOR GRADING AND PROFILE LEGENDS

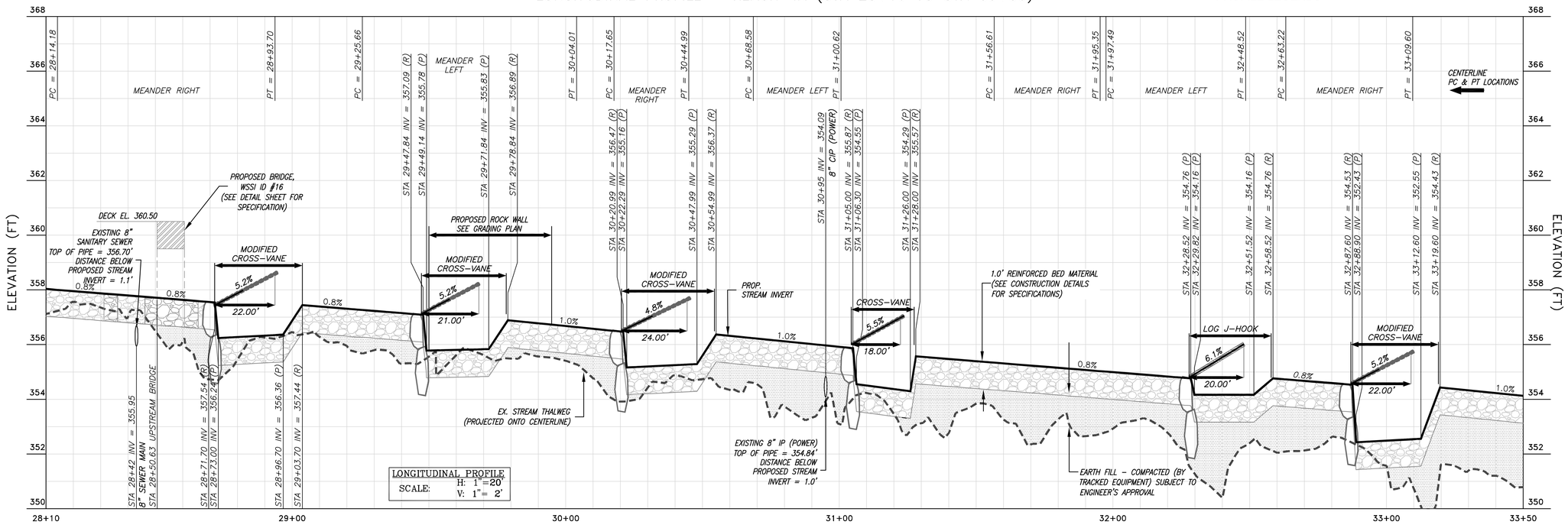
WALL DETAIL B - B'
STATION 30+02



SEE CONSTRUCTION DETAILS FOR TYPICAL SECTION INFORMATION.

CROSS SECTION
SCALE: H: 1"=20'
V: 1"= 2'

LONGITUDINAL PROFILE – REACH 4A (STA 28+10 TO STA 33+50)



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

DISTANCE ALONG BASELINE (FT)

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 4A
Fairfax County, Virginia

Grading Plan and Longitudinal Profile (cont'd)

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COMMONWEALTH OF VIRGINIA
FRANK R. GRAZIANO
Lic. No. 038099
PROFESSIONAL ENGINEER

REVISIONS				
No.	Date	Description	Rev. By	App. By
1	5/26/09	Revised LOC / TP and Temporary Access Path	BJB	FRG

SCALE: 1" = 20'
DATE: MAY 2009

Horizontal Datum: VCS NAD 83
Vertical Datum: NGVD 29
Boundary and Topo Source: WSSI and Fairfax Digital Data

Design	Draft	Approved
KLS	KLS	FRG

Sheet #
6 of 105

Computer File Name:
I:\2006\06-0003\CAD\Grade4A\ENGR\08sPlansheet6536200SGlenn Walk GRADING PLAN & PROFILE 04-21sg