1 REVISED LIMITS OF CLEARING / TREE PROTECTION & TEMPORARY ACCESS PATH.

TEMPORARY ACCESS PATH

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

STREAM RESTORATION EASEMENTS
D.B. 20321, PG. 306

S 61°20'53" E
N 61°20'53" W
105.35'
105.35'

MH 45 (RIM = 358.02)
MH 46: INV. EL. IN 347.02 (8")
INV. EL. OUT 346.97

MH 44 (RIM = 354.23)
MH 45: INV. EL. IN 343.93 (8")
MH 44A: INV. EL. IN 343.93 (8")
INV. EL. OUT 343.68 (10")

WSSI BRIDGE 17 (RESTON BRIDGE PLAQUE 59) - REPLACE EXISTING BRIDGE. 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". PROPOSED BRIDGE ELEVATION = 353.0'.

STA 10+00
STA 10+35.60
INV = 352.14

BEGIN REACH 4B CONSTRUCTION AT STATION 10+00 (DOWNSTREAM OF REACH 4A, RESTORATION PLAN PROVIDED UNDER SEPARATE COVER)

REACH 4B

STA 11+07.93
INV = 351.64

STA 11+38.00
BEGIN MEANDERING RIFFLE

STA 11+51.75
INV = 351.28

STA 12+31.90
INV = 350.34

STA 12+15.00
END MEANDERING RIFFLE

STA 11+07.93
INV = 351.64

STA 10+38.00
INV = 349.70

TRIBUTARY 1

START WORK AT DOWNSTREAM EDGE OF CONCRETE CHANNEL.

STA 10+04.60
INV = 349.98

STA 10+01.60
INV = 350.48

STA 13+93.75
INV = 348.88

STA 13+30.42
INV = 349.29

STA 13+80.00
BEGIN MEANDERING RIFFLE

STA 14+65.00
END MEANDERING RIFFLE

STA 14+80.50
INV = 348.32

STA 14+36.25
INV = 348.58

STA 16+18.00
INV = 347.72

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.

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.

3 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.

MATCHLINE A - SEE SHEET 4

START WORK AT DOWNSTREAM EDGE OF RIPRAP CHANNEL.

MH 44A (RIM = 356.23)
MH 44E: INV. EL. IN 344.93 (8")
MH 44B: INV. EL. IN 344.81 (8")
INV. EL. OUT 344.78 (8")

TRIBUTARY 2

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

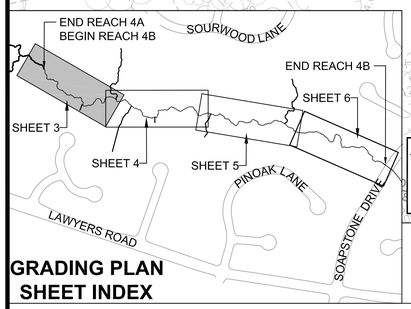
DO NOT DISTURB EXISTING BRIDGE. NO WORK PROPOSED.

2 REFER TO THE CONSTRUCTION SEQUENCE, SEDIMENT SIZING, TYPICAL CROSS SECTION, & CONSTRUCTION DETAILS SHEET FOR GRADING LEGEND AND NOTES.

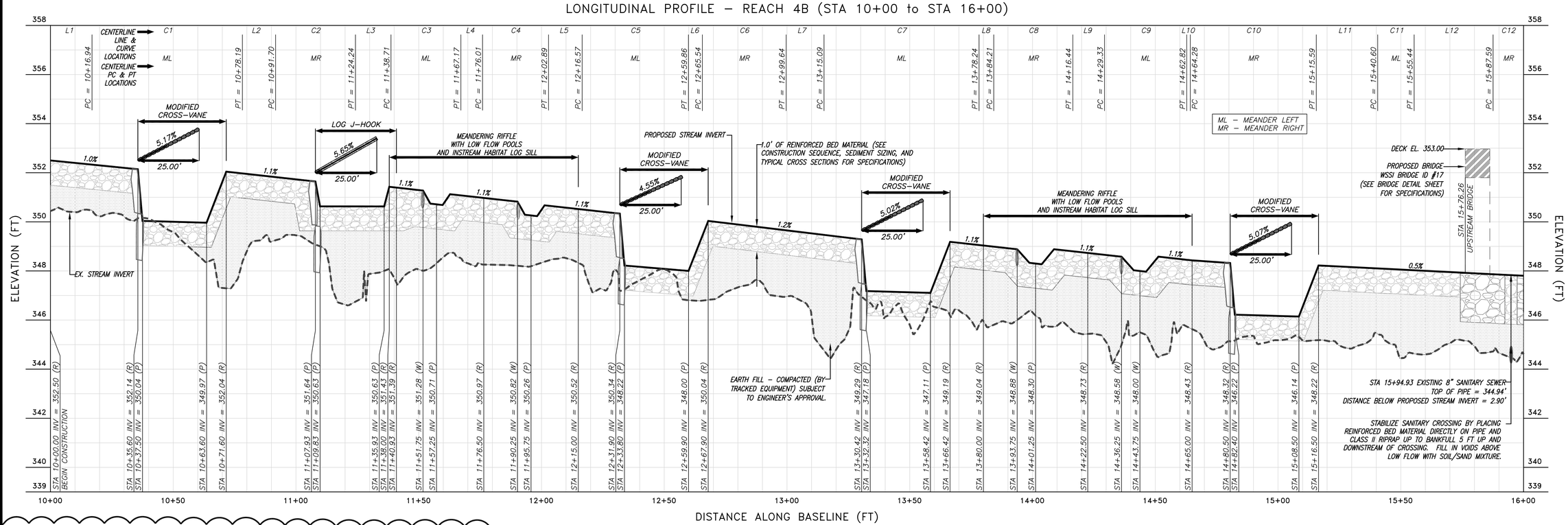
WORK TO BE LIMITED TO WITHIN THE EXISTING CHANNEL AS MUCH AS POSSIBLE USING SUITABLE TRACKED EQUIPMENT TO LIMIT IMPACT TO TREES AND OTHERWISE STABLE BANKS.

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET) 1 inch = 20 feet

GRADING PLAN SHEET INDEX



LONGITUDINAL PROFILE – REACH 4B (STA 10+00 to STA 16+00)



REFER TO THE CONSTRUCTION SEQUENCE, SEDIMENT SIZING, TYPICAL CROSS SECTION, & CONSTRUCTION DETAILS SHEET FOR LONGITUDINAL PROFILE LEGEND AND NOTES. 2

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

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Northern Virginia Stream Restoration Bank
The Glade - Reach 4B
Fairfax County, Virginia

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Grading Plan and Longitudinal Profile

REVISIONS

No.	Date	Description	Rev. By:	App. By:
1	5/26/09	Revised LOC / TP & temporary access path	SLT	FRG
2	5/26/09	Grading and longitudinal profile legend notes	SLT	FRG
3	5/26/09	Additional notes added	SLT	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
SRP	SRP	FRG

Sheet # 3 of 80

Computer File Name:
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