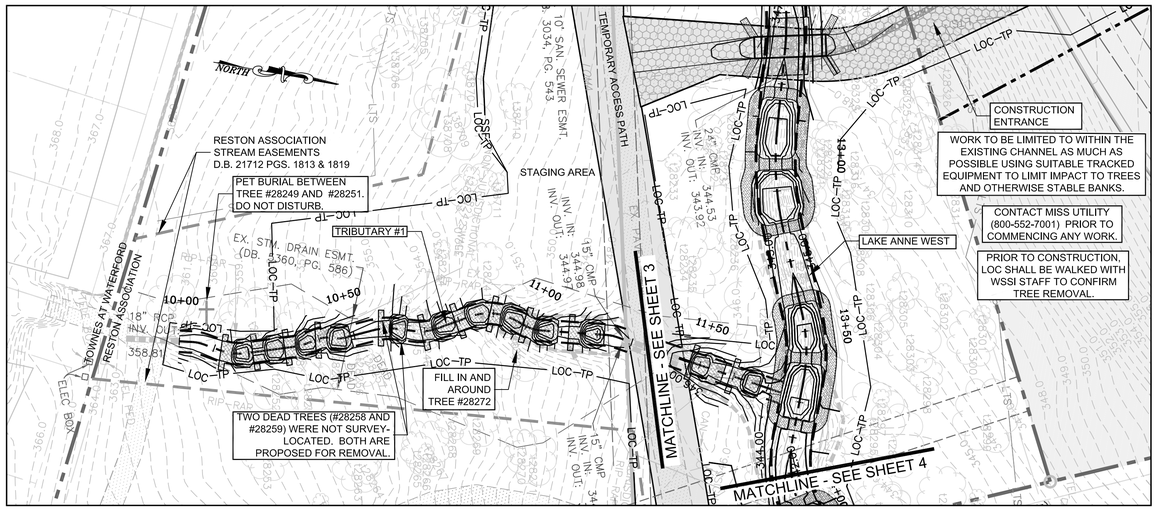


GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET) 1 inch = 20 feet

GRADING NOTES:

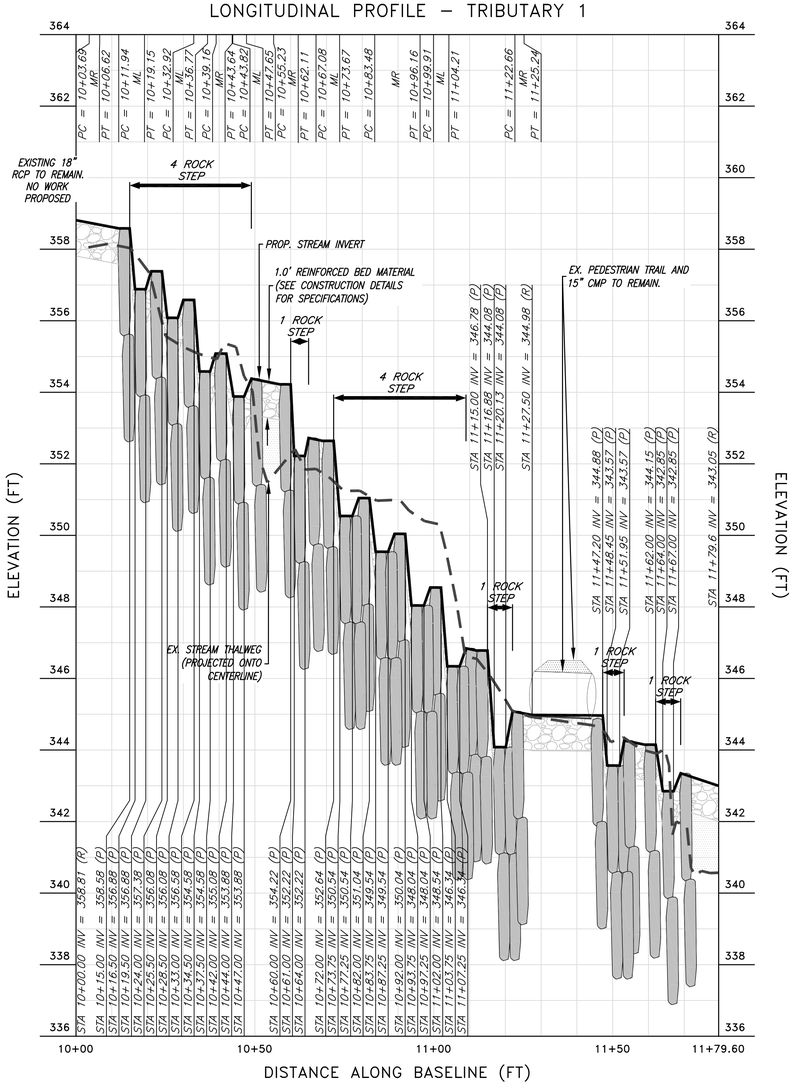
1. PROPOSED CONTOURS ARE INTENDED TO DEPICT OVERALL GRADING CONCEPT. DUE TO IRREGULARITY OF ROCK SHAPES, CONTOURS DEPICTING POOL GRADING WITHIN STRUCTURES ARE APPROXIMATE. SPECIFICATIONS FOR GRADING IN VICINITY OF STRUCTURES ARE PROVIDED IN TYPICAL SECTIONS AND CONSTRUCTION DETAILS. THE SPECIFICATIONS IN THE CONSTRUCTION DETAILS TAKE PRECEDENCE OVER THE CONTOURS DEPICTED ON THE GRADING PLAN.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL AREAS OF TREES TO BE PRESERVED ADJACENT TO THE LIMITS OF CLEARING AND GRADING.
3. IT IS ASSUMED THAT ALL TREES WITHIN THE LIMITS OF CLEARING WILL NOT BE REMOVED. PRIOR TO CONSTRUCTION THE LIMITS OF CLEARING (LOC) SHALL BE WALKED BY WSSI STAFF TO CONFIRM TREE REMOVAL. IN THE EVENT THAT THE CONTRACTOR BELIEVES A TREE WITHIN THE LOC COULD BE SAVED, THE CONTRACTOR SHALL CONTACT WETLAND STUDIES AND SOLUTIONS, INC. AND HAVE THE PROJECT ENGINEER DETERMINE IF THE TREE SHOULD BE SAVED OR REMOVED.
4. REFER TO THE GEOMETRY PLAN FOR TRAVERSE LOCATIONS AND ELEVATIONS.
5. ALL STREAM BEDS REQUIRE 1.0 FT OF REINFORCED BED MATERIAL. FOR CLARITY IT IS NOT SHOWN IN STREAM BEDS WHERE GRADING IS DEPICTED.

GRADING LEGEND

- PROPERTY BOUNDARY
- PROPERTY BOUNDARY & STREAM ESMNT, TEMP. GRADING AND CONST. ESMNT, & INGRESS-EGRESS ESMNT
- STREAM ESMNT & TEMP. GRADING AND CONST, ESMNT, & INGRESS-EGRESS ESMNT
- TEMP. GRADING AND CONSTRUCTION ESMNT, & INGRESS-EGRESS ESMNT
- FLOODPLAIN EASEMENT
- EXISTING EASEMENTS
- EXISTING INFRASTRUCTURE
- EXISTING CONTOURS (0.5')
- NONPERENNIAL STREAM (EXISTING TOP OF BANK)
- PROPOSED STEP POOL(S)
- PROPOSED ROCK STEP
- PROPOSED ROCK SILL
- LOC–TP — LIMITS OF CLEARING / TREE PROTECTION
- LOC — LIMITS OF CLEARING
- TP — TREE PROTECTION
- ACCESS PATH
- X–CLF — CHAIN LINK FENCE
- PROPOSED CENTERLINE
- PROPOSED TOP OF BANK
- PROPOSED CONTOURS (0.5')

ML = MEANDER LEFT

LONGITUDINAL PROFILE – TRIBUTARY 1



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

PROFILE LEGEND

- EXISTING STREAM INVERT PROJECTED TO PROPOSED CENTERLINE
- PROPOSED STREAM INVERT ALONG PROPOSED CENTERLINE
- STRUCTURE ROCKS
- REINFORCED BED
- RIPRAP
- EARTH FILL
- PC = 0+37.66 / PT = 0+96.52 — PC & PT LOCATIONS WITH LINE OR CURVE DESIGNATION REFERENCED FROM STAKEOUT DATA

TRIBUTARY #2 - REPLACE EXISTING STORMWATER OUTFALL PIPE

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

TRIBUTARY #3 - DAYLIGHT LOWER PORTION STORMWATER OUTFALL PIPE

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
Lake Anne West
Fairfax County, Virginia

Grading Plan and Longitudinal Profile (cont'd) and Summary of Stream Cross Sections

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COMMONWEALTH OF VIRGINIA
FRANK R. GRAZIANO
Lic. No. 032099
PROFESSIONAL ENGINEER

REVISIONS

No.	Date	Description	Rev. By:	App. By:

SCALE: ########
DATE: OCTOBER 2011

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

Design	Draft	Approved
KLP	KLP	FRG

Sheet # 5 of 51

Computer File Name:
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