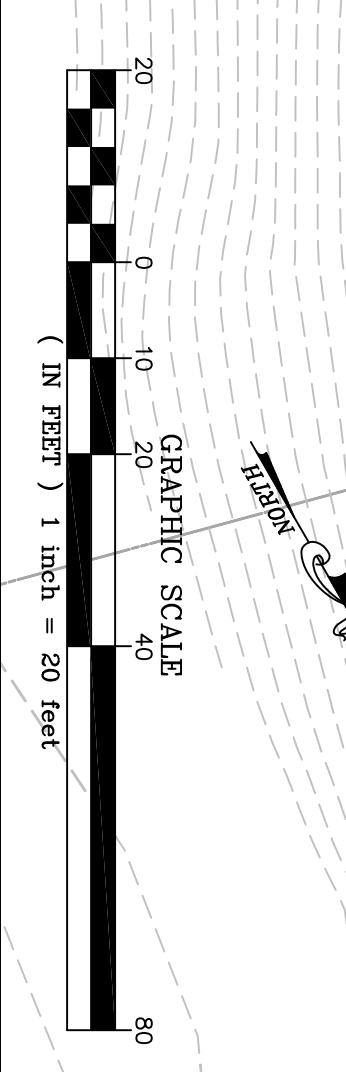


REFER TO THE TREE REMOVAL PLAN FOR TREES TO BE REMOVED. ONLY TREES SHOWN AS "TO BE REMOVED" SHALL ON THE TREE REMOVAL PLAN SHALL BE FELLEED.

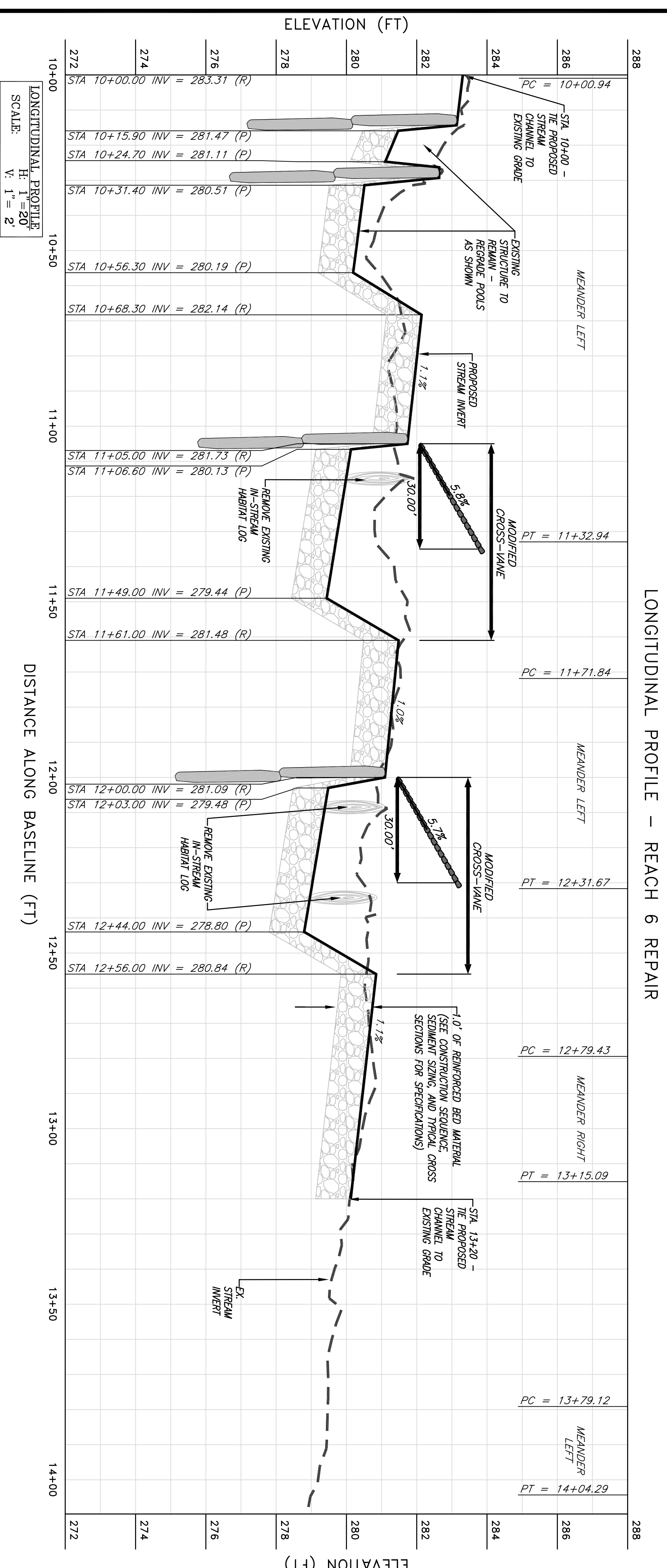
EXISTING BED MATERIAL SHALL BE SALVAGED AND PLACED IN THE PROPOSED CHANNEL AS SHOWN ON THE TYPICAL CROSS SECTION ON THE LAST GRADING PLAN AND LONGITUDINAL PROFILE SHEET.

LONGITUDINAL PROFILE - REACH 6 REPAIR



PROFILE LEGEND	
	EXISTING STREAM INVERT
	PROPOSED STREAM INVERT
	EXISTING STREAM CENTERLINE
	PROPOSED STREAM CENTERLINE
	STRUCTURE ROCKS
	REINFORCED BED
	PC & PT LOCATIONS WITH LINE AND POINT DESIGNATION REFERENCED FROM STAKEOUT DATA

GRADING LEGEND	
	PROPERTY BOUNDARY & STREAM ESMNT.
	GRADING AND CONSTRUCTION ESMNT. & INGRESS-EGRESS ESMNT
	STREAM ESMNT. TEMPORARY GRADING AND CONSTRUCTION ESMNT. & INGRESS-EGRESS ESMNT
	FLOODPLAIN EASEMENT
	EXISTING EASEMENT
	EXISTING INFRASTRUCTURE
	ORIGINAL RESTORATION CONTOURS (0.5')
	PROPOSED RESTORATION CONTOURS (0.5')
	NONPERENNIAL STREAM (PRE-RESTORATION TOP OF BANK)
	PERENNIAL STREAM (PRE-RESTORATION TOP OF BANK)
	JURISDICTIONAL WETLANDS
	ORIGINAL RESTORATION CENTERLINE
	PROPOSED TOP OF BANK
	LIMITS OF CLEARING / TREE PROJECTION
	ACCESS PATH
	LIMITS OF TREE SURVEY
	PROPOSED MODIFIED CROSS VANE



- GRADING NOTES:
- 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 IN THE STRUCTURES ON THE GRADING PLAN.
 - THREE PROTECTION FENCING SHALL BE PLACED AROUND ALL AREAS OF TREES TO BE PRESERVED ADJACENT TO THE LIMITS OF CLEARING AND GRADING.
 - 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 MARKED BY VESPA STAKES TO CONTROL TREE REMOVAL. IN THE EVENT THAT THE CONTRACTOR BEGINS TREE REMOVAL, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT THE DESIGNER. THE CONTRACTOR SHALL HAVE THE PROJECT ENGINEER DETERMINE IF THE TREE SHOULD BE SAVED OR REMOVED.
 - REFER TO THE GEOMETRY PLAN FOR TRAVERSE LOCATIONS AND ELEVATIONS.
 - ALL STREAM BEDS REQUIRE 1.0 FT OF REINFORCED BED MATERIAL. FOR CLARITY IT IS NOT SHOWN IN STREAM BEDS WHERE GRADING IS DEPICTED.
- SEQUENCE OF CONSTRUCTION:
- PRIOR TO THE START OF ANY EARTH DISTURBANCE THE CONTRACTOR SHALL NOTIFY CODE IN ACCORDANCE WITH THE APPROVED PERMIT. IN ADDITION, AN ON-SITE PRE-CONSTRUCTION MEETING SHALL BE HELD TO ENSURE THAT ALL AFFECTED PARTIES (DESIGN ENGINEER, CONTRACTOR, COUNTY STAFF, OWNER, AND PROJECT MANAGER) FULLY UNDERSTAND THE CONSTRUCTION SEQUENCING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING MISS UTILITY AT 1-800-582-7001 FOR THE LOCATION OF ALL PUBLIC AND PRIVATE UTILITY LINES, PIPES, CABLES, AND ASSOCIATED FEATURES PRIOR TO ANY CONSTRUCTION WORK. ALL UTILITIES SHALL BE CLEARLY IDENTIFIED PRIOR TO CONSTRUCTION.
 - PRIOR TO ANY EARTH DISTURBING ACTIVITIES, ALL NECESSARY EROSION AND SEDIMENT CONTROL MEASURES AND DEVICES SHALL BE INSTALLED AS SPECIFIED ON THE EROSION & SEDIMENT CONTROL PLAN SHEETS.
 - STAKE OUT THE NEW STREAM ALIGNMENT AS SHOWN ON THE GEOMETRY PLAN SHEETS. PC AND PT POINTS SHALL BE STAKED ALONG THE CENTERLINE AND AT 25-FOOT OFFSETS. IDENTIFY BY CORRESPONDING CENTERLINE STATION, ON EACH SIDE OF THE PROPOSED CHANNEL. THE CENTER OF EACH CURVE SHALL BE STAKED AND MARKED WITH THE CORRESPONDING RADIUS OF CURVATURE. VERTICAL CONTROL SHALL BE CLEARLY MARKED AT SEVERAL LOCATIONS ALONG THE PROPOSED CHANNEL.
 - CONSTRUCTION SHALL PROCEED FROM UPSTREAM TO DOWNSTREAM, UNLESS AN ALTERNATIVE SEQUENCE IS APPROVED BY THE FIELD ENGINEER.
 - NO WORK SHALL BE STARTED THAT CANNOT BE COMPLETED AND STABILIZED IN ONE DAY.
 - EXCAVATE STREAM CHANNEL TO THE SUBGRADE.
 - PLACE REINFORCED SUBSTRATE MIXTURE IN THE CHANNEL BOTTOM (SEE THIS SHEET FOR MIXTURE SPECIFICATIONS). PRIOR TO PLACING THE REINFORCED BED MATERIAL IN THE CHANNEL, THE CONTRACTOR SHALL ENSURE A WELL GRADED BED MATERIAL IS PLACED THROUGHOUT THE CHANNEL. ADDITIONAL ON-SITE MIXING MAY BE NECESSARY.
 - GRADE THE REMAINING PORTION OF THE CHANNEL, AS SHOWN ON THE PLAN. THE OUT SLOPES SHALL NOT EXCEED 2:1.
 - UPON COMPLETION OF WORK, ALL E88 MEASURES ARE TO REMAIN IN PLACE UNTIL FINAL SITE STABILIZATION IS ACHIEVED, WITH THE EXCEPTION OF THE SANDBAG DIKES AND THE PUMP AROUND DIVERSION.

REVISIONS		
No.	Date	Description

Rev. By	App. By

DATE: OCTOBER 2011 SCALE: 1" = 20'



Northern Virginia Stream Restoration Bank
 The Glade - Reach 6 Storm Repair
 Fairfax County, Virginia

Grading Plan and Longitudinal Profile

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