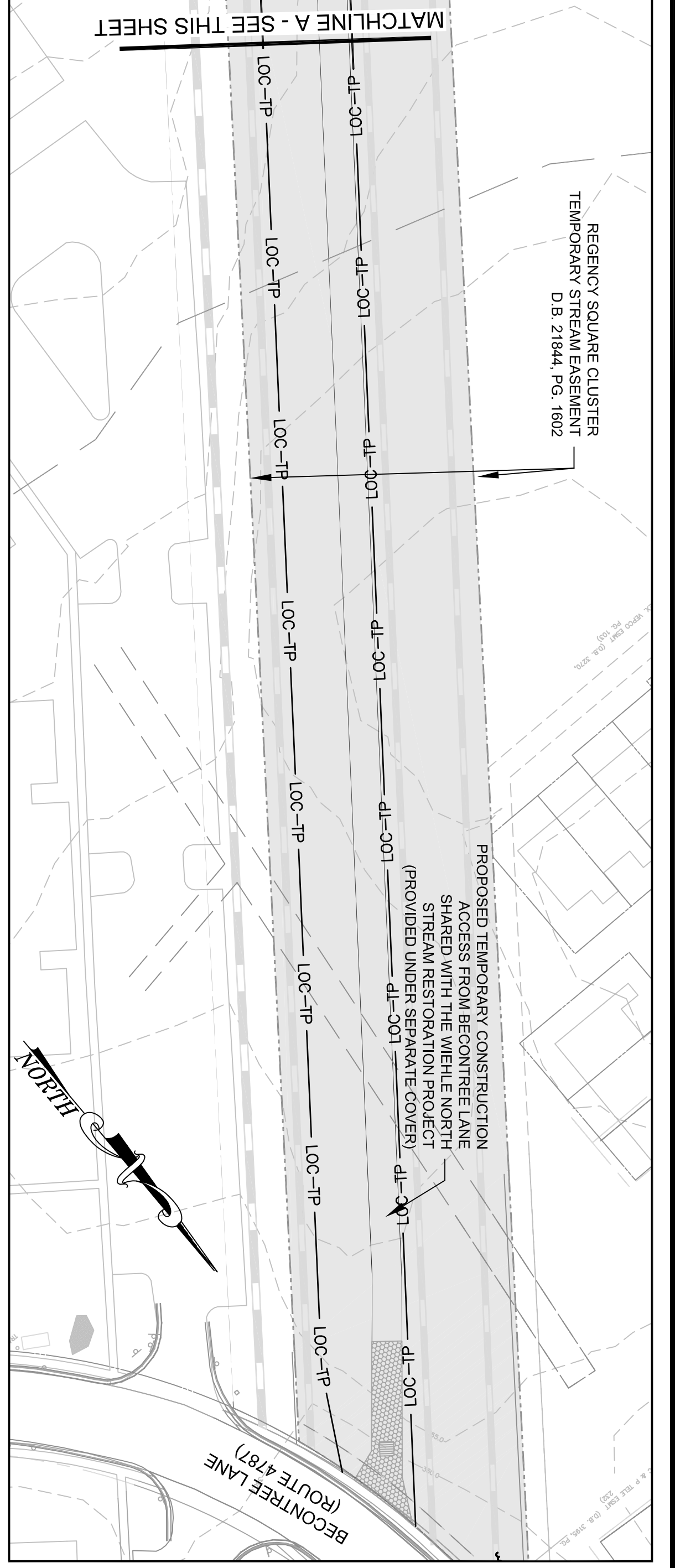
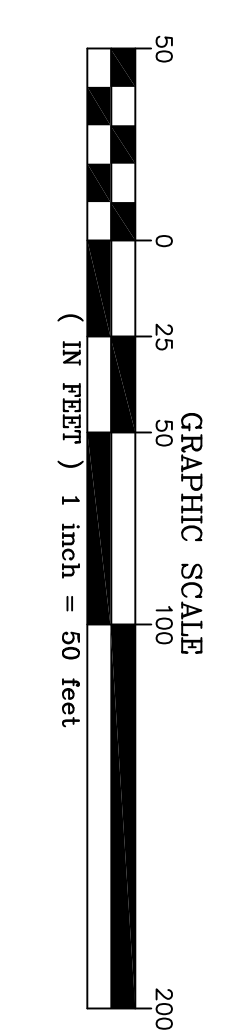




### TREE SAVE PLAN LEGEND

- PROPERTY BOUNDARY
- COMBINED STREAM ESMINT AND TEMP. GRADING & CONST. / INGRESS-EGRESS ESMINT
- STREAM ESMINT
- TEMP. GRADING & CONSTRUCTION ESMINT / INGRESS-EGRESS ESMINT
- EXISTING CONTOURS (0.5')
- EXISTING INFRASTRUCTURE
- FLOODPLAIN EASEMENT
- NON-PERENNIAL STREAM (EXISTING TOP OF BANK)
- PERENNIAL STREAM (EXISTING TOP OF BANK)
- LIMITS OF TREE SURVEY
- PROPOSED BANKFULL TOP OF BANK
- PROPOSED CENTERLINE
- PROPOSED CONTOURS (0.5')
- ACCESS PATH

- LOC-TP- LIMITS OF CLEARING / TREE PROTECTION FENCE
- LOC- LIMITS OF STREAM RESTORATION PROJECT
- 4'-0" CHAINLINK FENCE
- TREE TO BE REMOVED
- TREE NOT TO BE DISTURBED
- TREE DOWN, DAMAGED, OR REMOVED



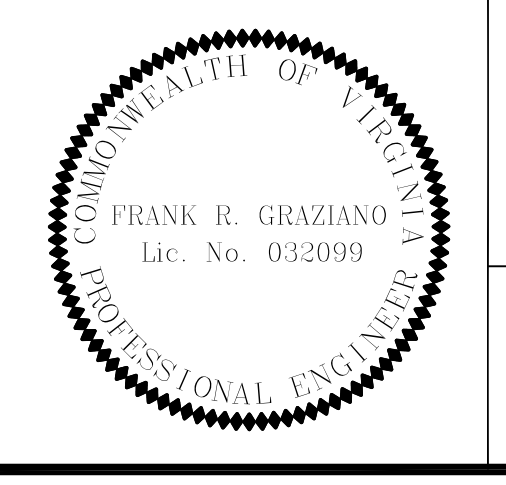
REVISIONS				
No.	Date	Description	Rev. By	App. By

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

Design	Draft	Approved
KLP	KLP	FRG

Computer File Name: 20120801\_VCS\_NAD\_83  
 1 of 1

DATE: AUGUST 2012      SCALE: 1" = 20'



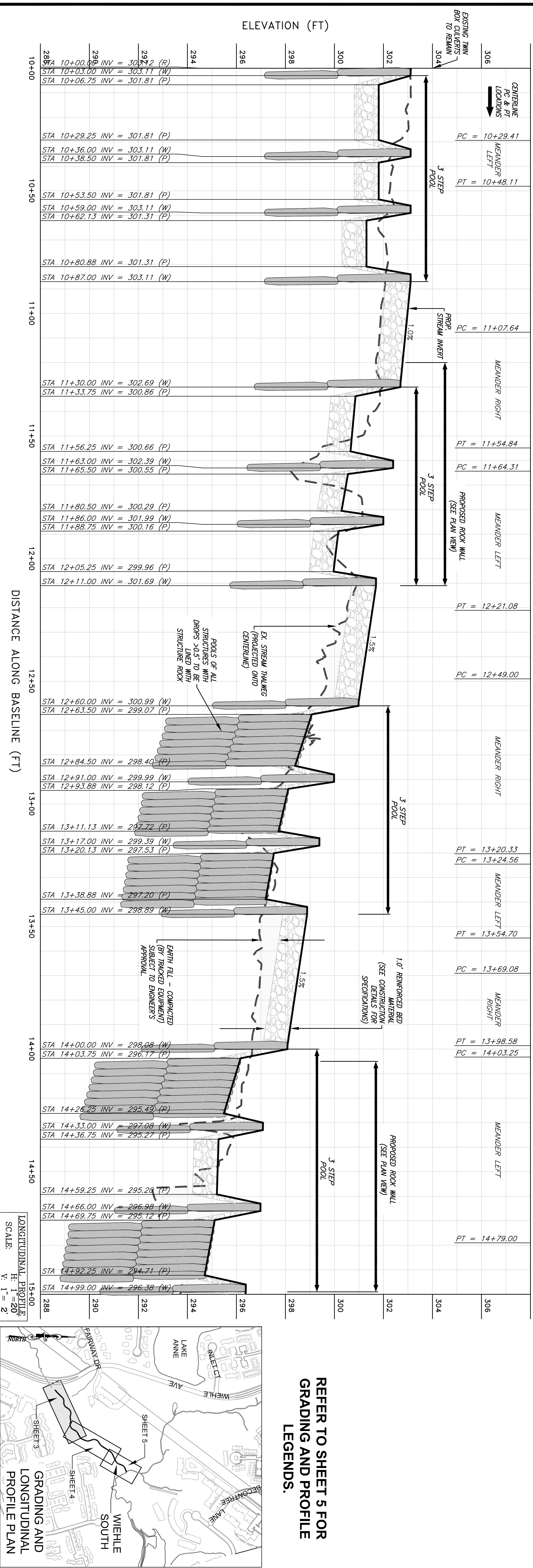
Northern Virginia Stream Restoration Bank  
 Colvin Run - Wiehle South  
 Fairfax County, Virginia

Tree Save Plan

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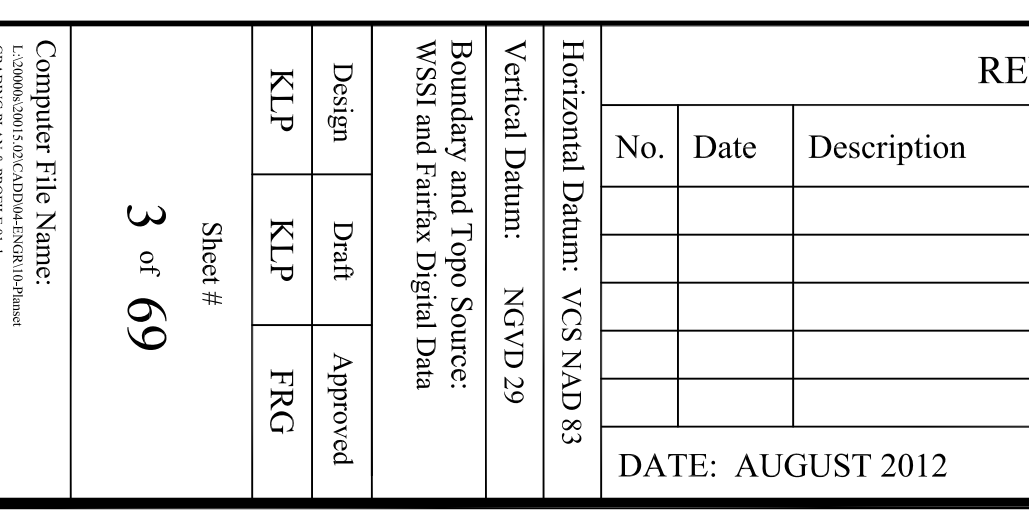
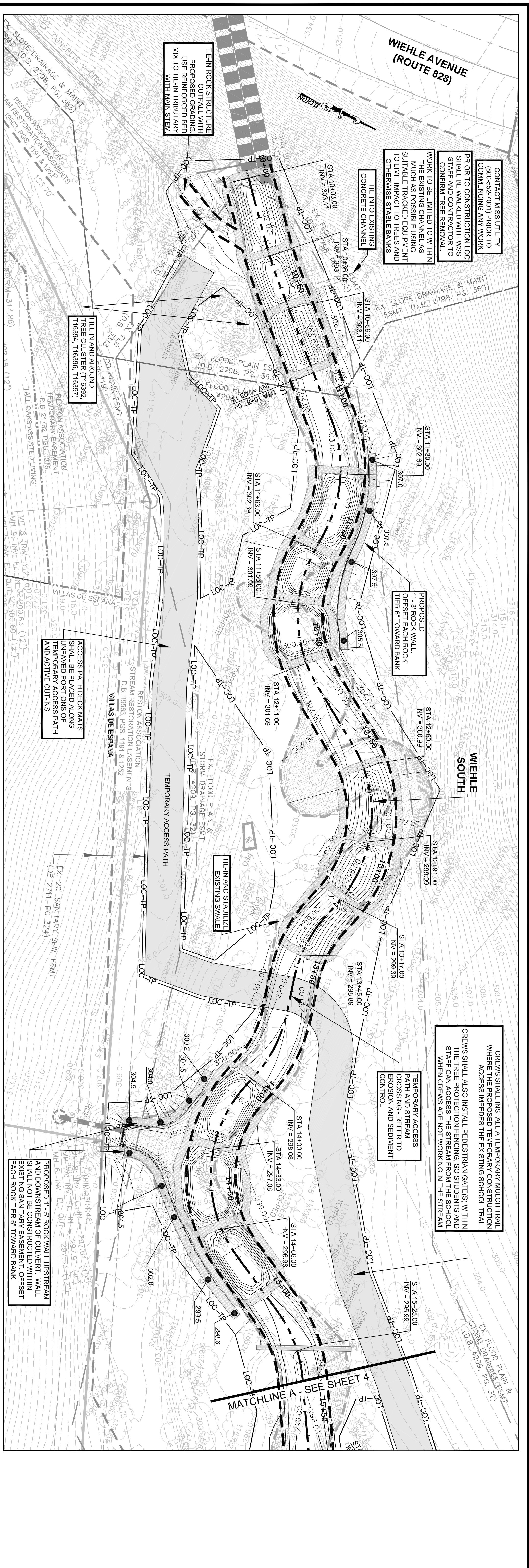
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LONGITUDINAL PROFILE - WIEHLE SOUTH (STA 10+00 TO 15+00)

GRAPHIC SCALE  
 0 10 20 40 60  
 (IN FEET) 1 inch = 20 ft.



REFER TO SHEET 5 FOR GRADING AND PROFILE LEGENDS.

REVISIONS		Rev. By	App. By
No.	Date	Description	

DATE: AUGUST 2012  
 SCALE: 1" = 60'

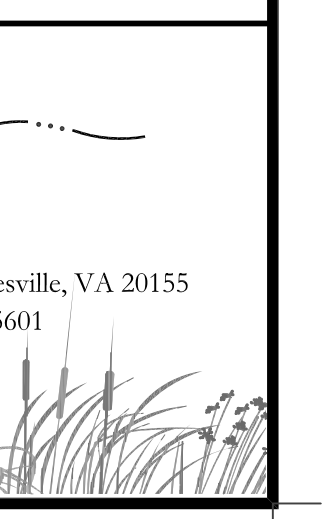
Northern Virginia Stream Restoration Bank  
 Colvin Run - Wiehle South  
 Fairfax County, Virginia

Grading Plan and Longitudinal Profile

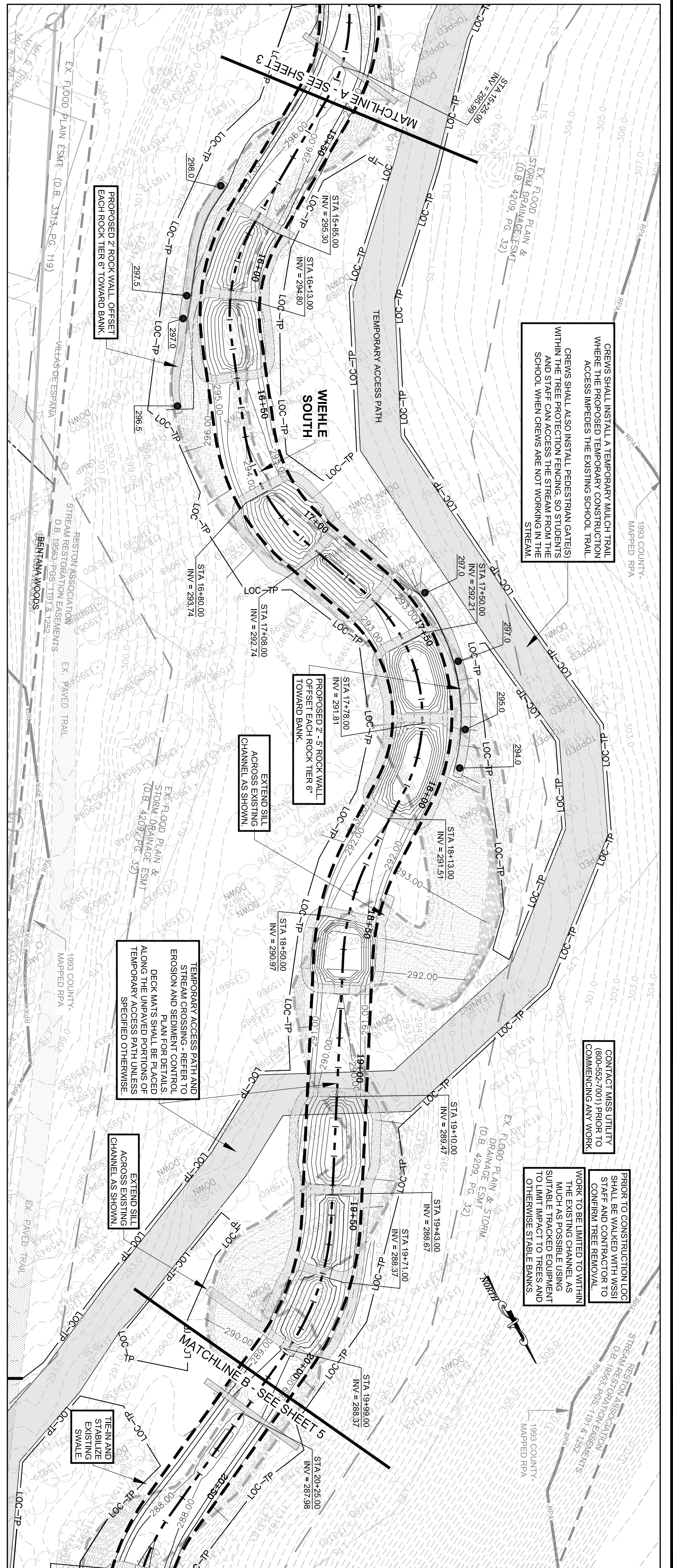
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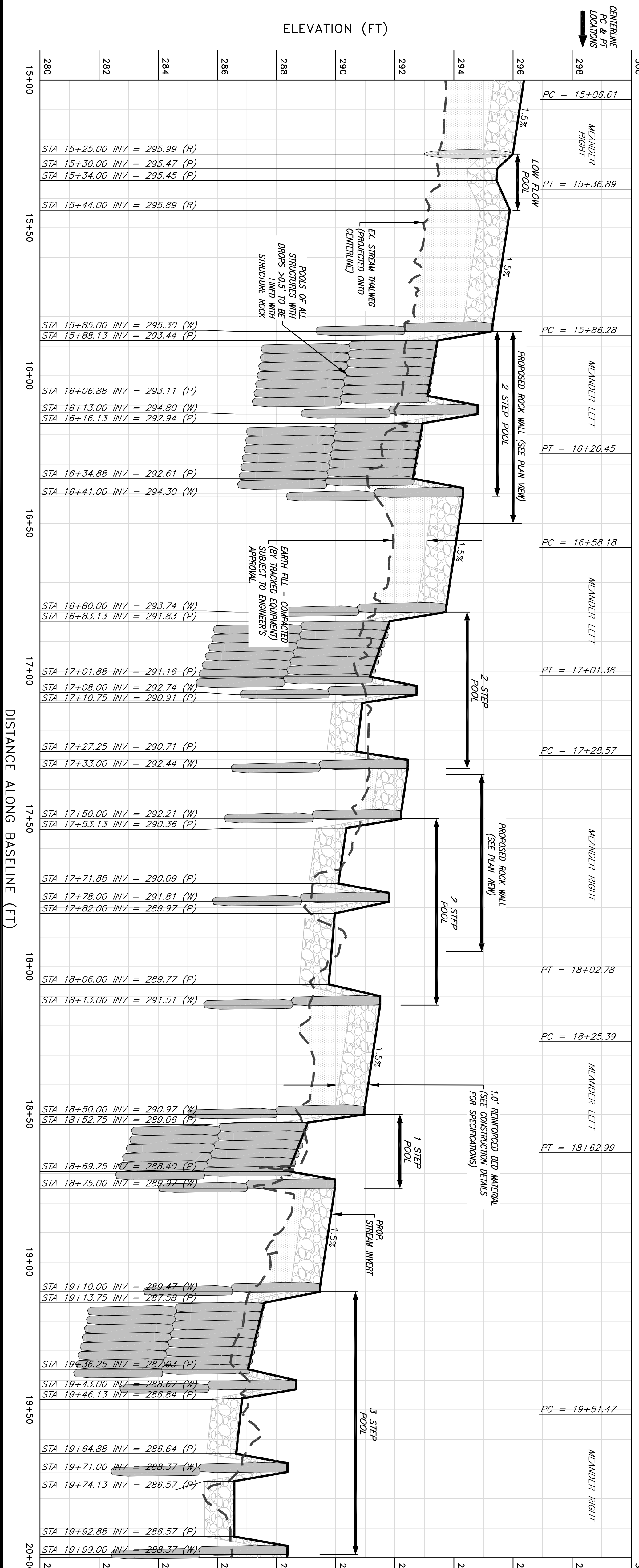
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LONGITUDINAL PROFILE - WIEHLE SOUTH (STA 15+00 TO 20+00)



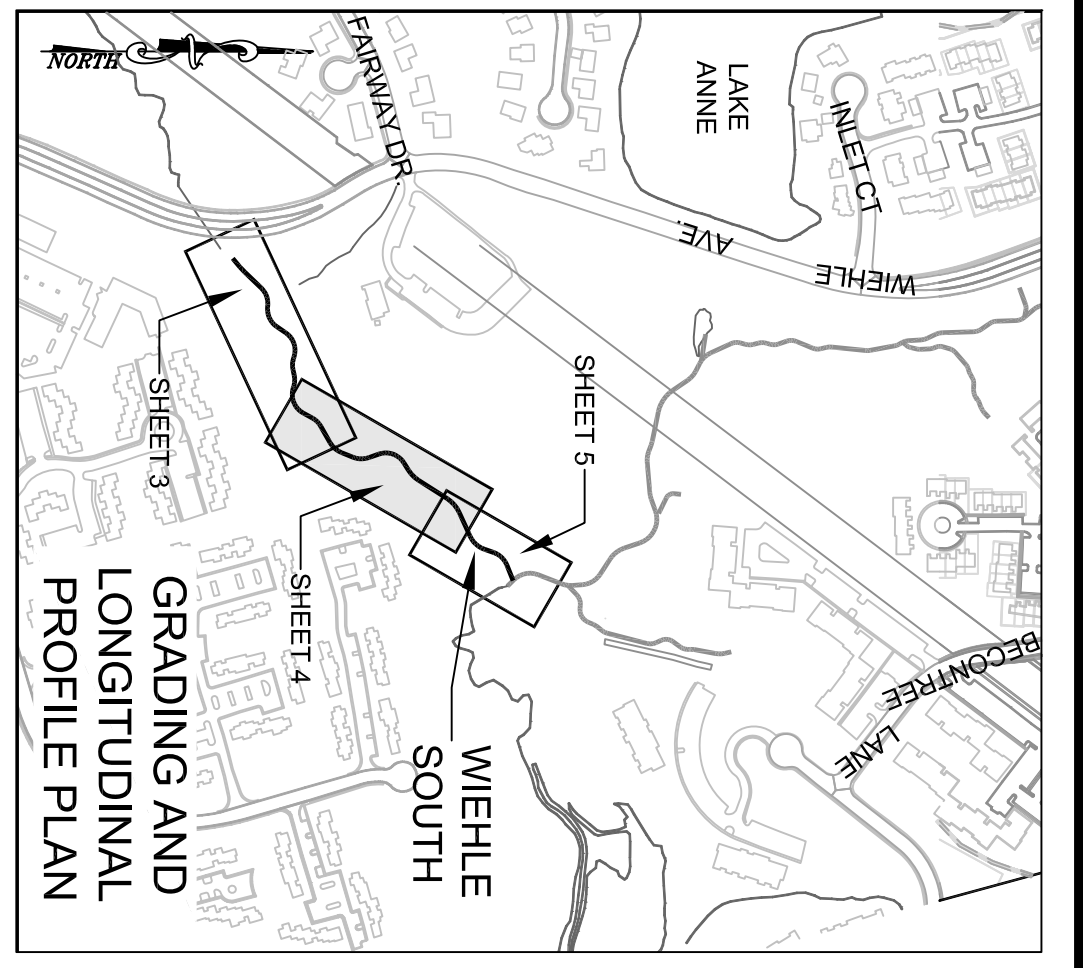
LONGITUDINAL PROFILE  
SCALE: H: 1" = 20'  
V: 1" = 2'

REVISIONS					
No.	Date	Description	Rev. By	App. By	

DATE: AUGUST 2012      SCALE: 1" = 20'

Computer File Name: GRADING AND LONGITUDINAL PROFILE PLAN  
Drawing Number: 15114-1202

Design	DRG	Approved
Check	KLP	
Drawn	KLP	
Sheet #	4	of 69



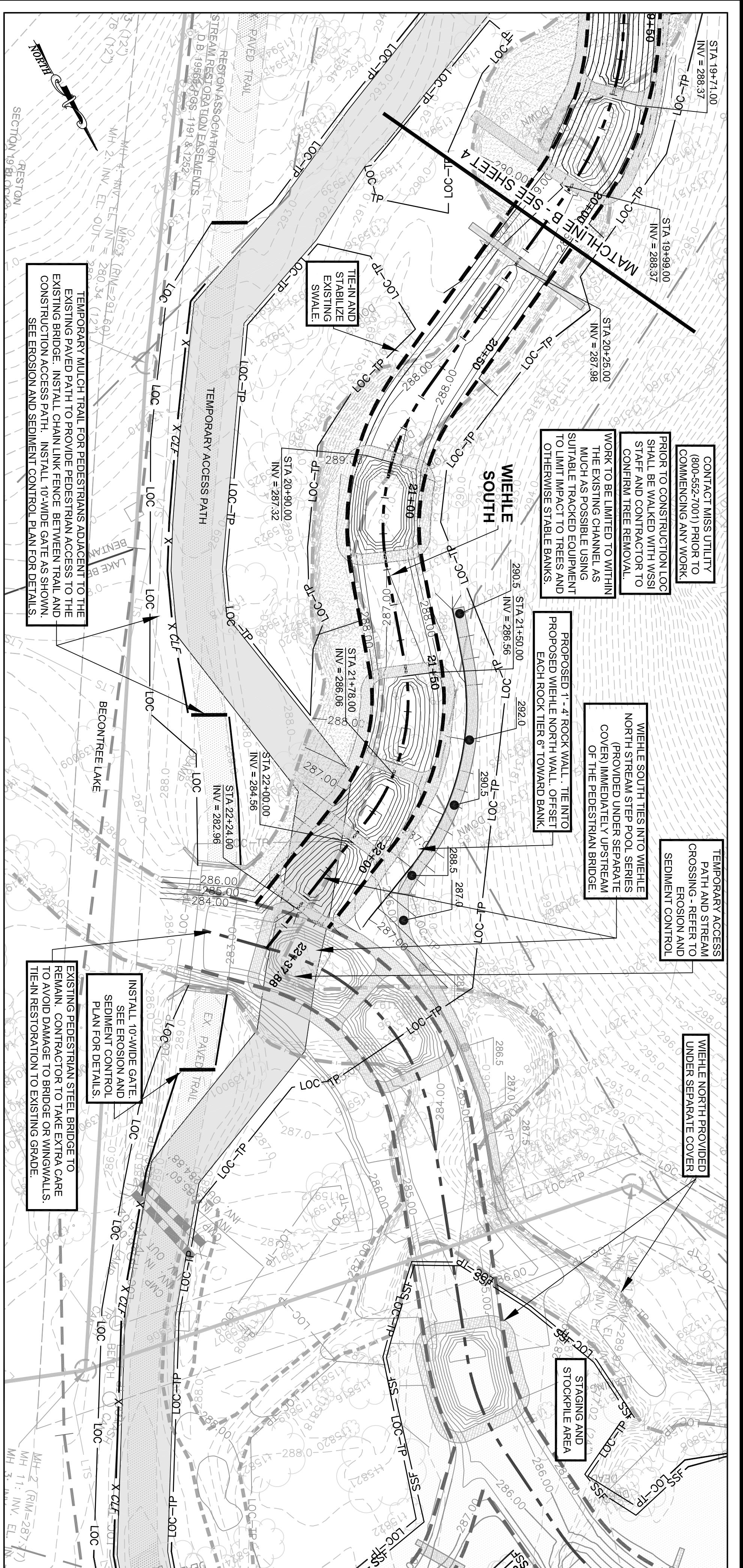
Northern Virginia Stream Restoration Bank  
Colvin Run - Wiehle South  
Fairfax County, Virginia

Grading Plan and Longitudinal Profile (cont'd)

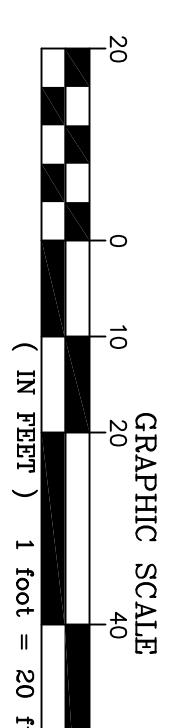
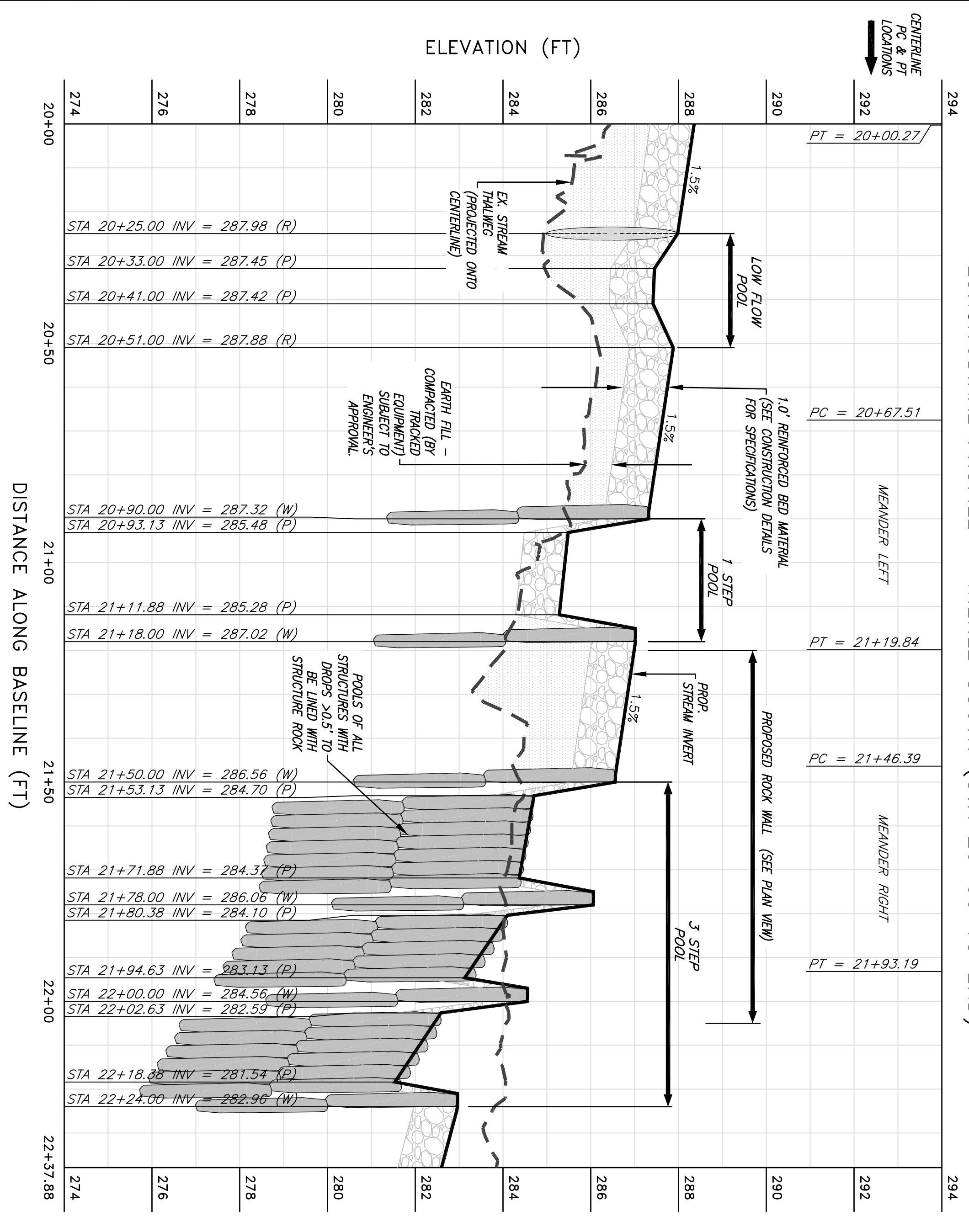
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LONGITUDINAL PROFILE - WIEHLE SOUTH (STA 20+00 TO END)



**PROFILE LEGEND**

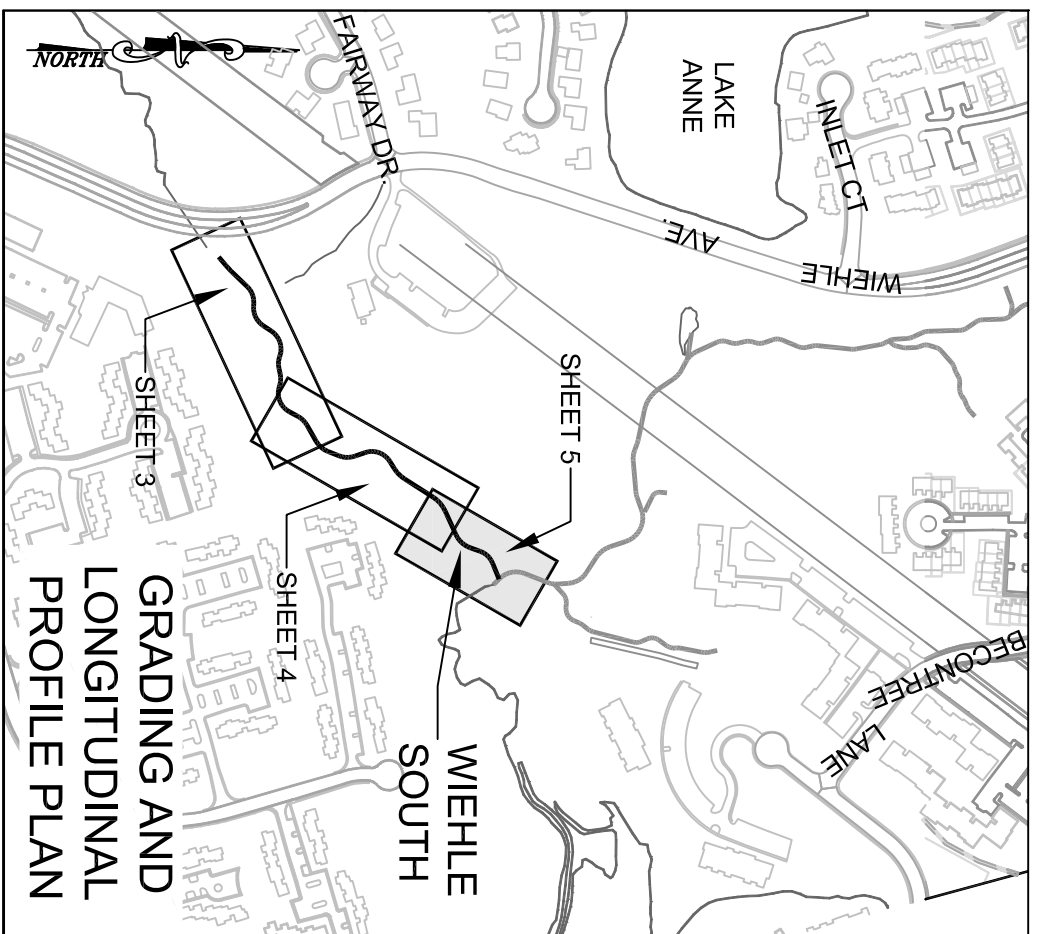
- EXISTING STREAM INVERT
- PROPOSED STREAM CENTERLINE
- PROPOSED STREAM INVERT
- ALONG PROPOSED CENTERLINE
- STRUCTURE ROCKS
- REINFORCED BED
- RIPRAP
- EARTH FILL

PC & PT LOCATIONS WITH LINE OR CURVE DESIGNATION REFERENCED FROM STAKEOUT DATA

LONGITUDINAL PROFILE SCALE: V. 1" = 2'

**SUMMARY OF STREAM RESTORATION FEATURES ALONG BASELINE**

FEATURE LOCATION PER BASELINE STATION	FROM	TO	STREAM RESTORATION FEATURE
CONSTRUCT RIFFLE	10+00.0	10+01.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	10+01.5	10+07.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	10+07.8	11+28.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	11+28.5	12+11.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	12+11.8	12+58.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	12+58.5	13+45.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	13+45.8	13+98.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	13+98.5	14+98.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	14+98.5	15+83.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	15+83.5	16+41.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	16+41.8	16+78.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	16+78.5	17+33.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	17+33.8	17+48.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	17+48.5	18+13.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	18+13.8	18+48.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	18+48.5	18+75.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	18+75.8	19+08.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	19+08.5	19+98.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	19+98.5	20+88.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	20+88.5	21+18.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	21+18.8	21+48.5	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	21+48.5	22+24.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	22+24.8	22+37.9	CONSTRUCT RIFFLE



**GRADING PLAN LEGEND**

- PROPOSED STEP POOLS
- PROPOSED IN-STREAM HABITAT LOG SILL
- PROPOSED IMBRICATED ROCK WALL
- EX CHANNEL BACKFILL AREAS
- TEMPORARY ACCESS PATH
- PROPOSED BANKFILL TOP OF BANK
- PROPOSED CENTERLINE
- PROPOSED CONTOURS (0.5')
- LIMITS OF CLEARING / TREE PROTECTION
- PEDESTRIAN BARRICADE
- PROPERTY BOUNDARY
- COMBINED STREAM ESMNT AND TEMP GRADING & CONST. / INGRESS-EGRESS ESMNT
- STREAM ESMNT
- TEMP GRADING & CONSTRUCTION ESMNT / INGRESS-EGRESS ESMNT
- EXISTING FLOODPLAIN EASEMENT
- EXISTING EASEMENTS
- EXISTING INFRASTRUCTURE
- EXISTING CONTOURS (0.5')
- LIMITS OF TREE SURVEY
- NON-PERENNIAL STREAM (EXISTING TOP OF BANK)
- PERENNIAL STREAM (EXISTING TOP OF BANK)
- JURISDICTIONAL WETLANDS

**GRADING NOTES:**

- PROPOSED CONTOURS ARE INTENDED TO DEPICT OVERALL GRADING CONCEPT. DUE TO IRREGULARITY OF ROCK SHAPES CONTOURS DEPENDING ON 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 DEPICED ON THE GRADING PLAN.
- TREE 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 TREES WITHIN THE LIMITS OF CLEARING WILL NOT BE REMOVED. PRIOR TO CONSTRUCTION THE CONTRACTOR BELIEVES A TREE WITHIN THE LOC COULD BE SAVED. THE CONTRACTOR SHALL CONTACT WSS&J AND HAVE THE PROJECT ENGINEER DETERMINE IF THE TREE SHOULD BE SAVED OR REMOVED.
- REFER TO THE GEOMETRY PLAN FOR TRANSVERSE 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.

**REVISIONS**

No.	Date	Description	Rev. By	App. By

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

DATE: AUGUST 2012 SCALE: 1" = 20'

Professional Engineer Seal: FRANK R. GRAZIANO, Lic. No. 032099

Northern Virginia Stream Restoration Bank  
Colvin Run - Wiehle South  
Fairfax County, Virginia

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

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