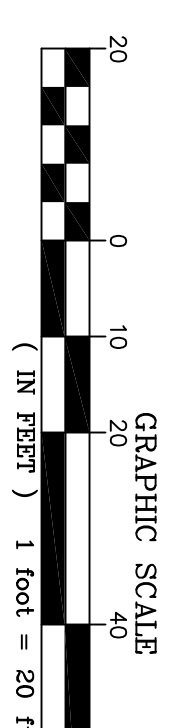
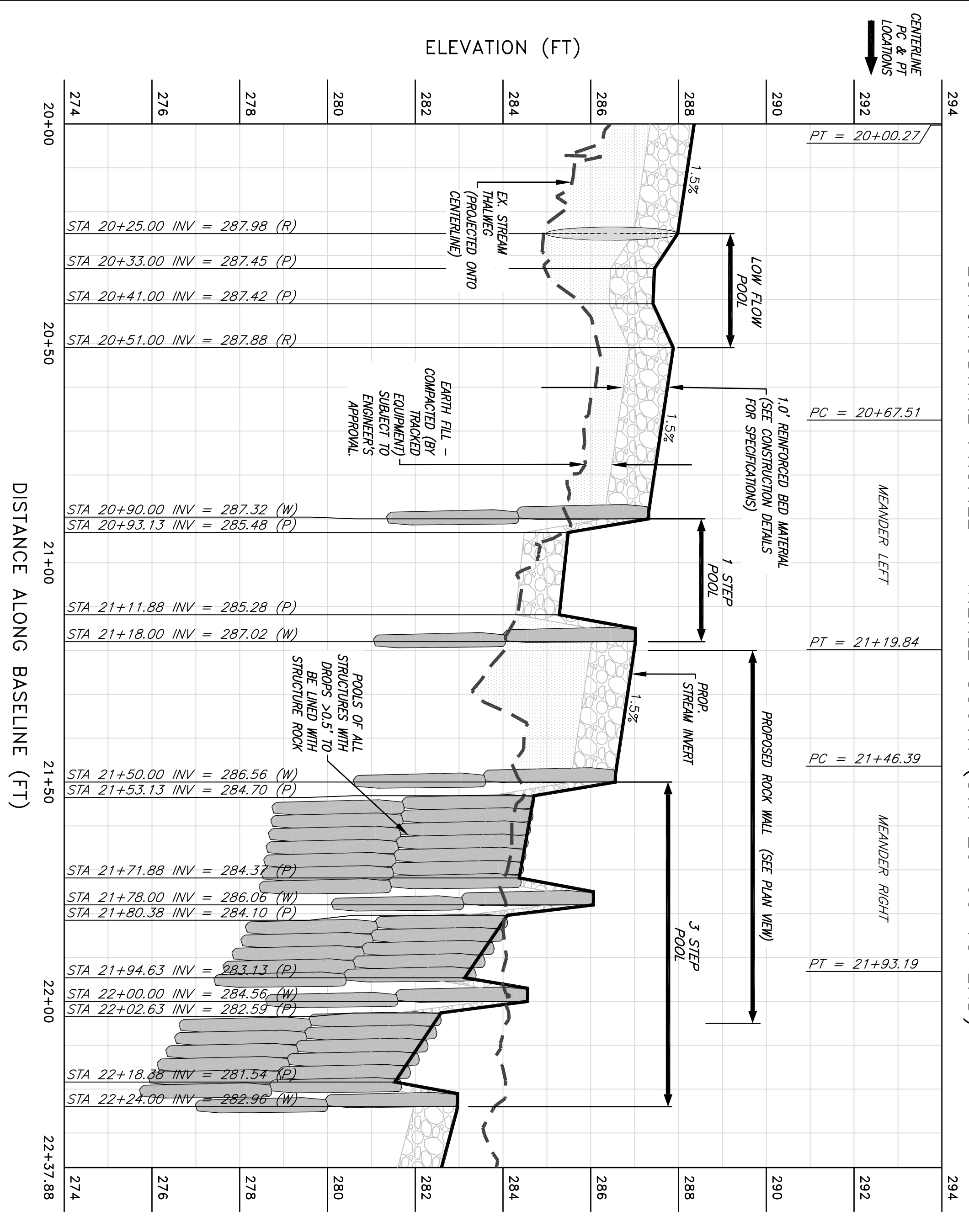


LONGITUDINAL PROFILE - WIEHLE SOUTH (STA 20+00 TO END)



PROFILE LEGEND

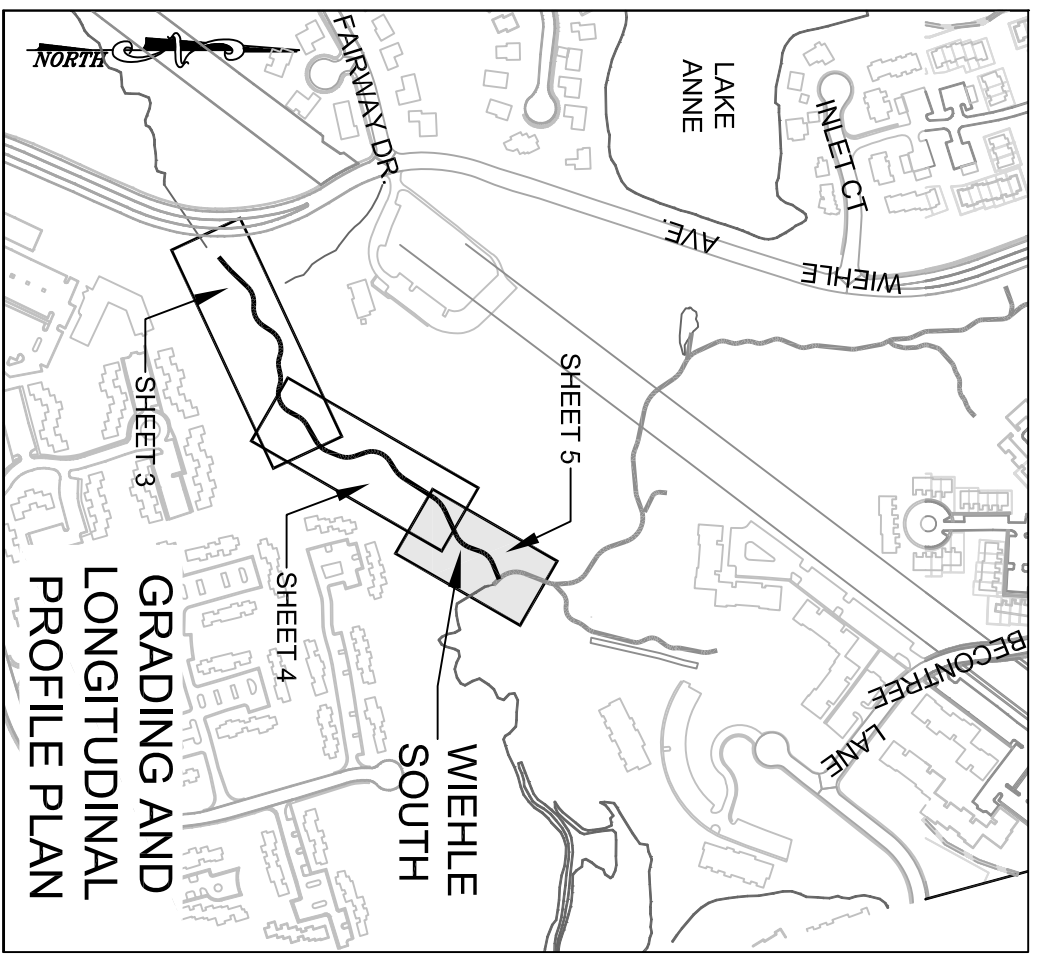
- EXISTING STREAM INVERT
- PROPOSED STREAM CENTERLINE
- PROPOSED STREAM INVERT
- ALONG PROPOSED CENTERLINE
- STRUCTURE ROCKS
- REINFORCED BED
- RIPRAP
- EARTH FILL

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

LONGITUDINAL PROFILE SCALE: H: 1" = 20' 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+98.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	14+98.8	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+98.8	CONSTRUCT RIFFLE
CONSTRUCT RIFFLE	19+98.8	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 ESSENT AND TEMP GRADING & CONST. / INGRESS-EGRESS ESSENT
- STREAM ESSENT
- TEMP GRADING & CONSTRUCTION ESSENT / INGRESS-EGRESS ESSENT
- 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.

WIEHLE SOUTH

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

Design: KLP
Draft: KLP
Approved: FRG

Sheet # 5 of 69



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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