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

PRIOR TO CONSTRUCTION LOC SHALL BE WALKED WITH WSSI STAFF AND CONTRACTOR TO CONFIRM TREE REMOVAL.

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.

TIE INTO EXISTING CONCRETE CHANNEL

TIE-IN ROCK STRUCTURE OUTFALL WITH PROPOSED GRADING. USE REINFORCED BED MIX TO TIE-IN TRIBUTARY WITH MAIN STEM.

FILL IN AND AROUND TREE CLUSTER (T16392, T16394, T16396, T16397)

PROPOSED 1' - 3' ROCK WALL. OFFSET EACH ROCK TIER 6" TOWARD BANK.

ACCESS PATH DECK MATS SHALL BE PLACED ALONG UNPAVED PORTIONS OF TEMPORARY ACCESS PATH AND ACTIVE CUT-INS.

TIE-IN AND STABILIZE EXISTING SWALE.

CREWS SHALL INSTALL A TEMPORARY MULCH TRAIL WHERE THE PROPOSED TEMPORARY CONSTRUCTION ACCESS IMPEDES THE EXISTING SCHOOL TRAIL.

CREWS SHALL ALSO INSTALL PEDESTRIAN GATE(S) WITHIN THE TREE PROTECTION FENCING, SO STUDENTS AND STAFF CAN ACCESS THE STREAM FROM THE SCHOOL WHEN CREWS ARE NOT WORKING IN THE STREAM.

TEMPORARY ACCESS PATH AND STREAM CROSSING - REFER TO EROSION AND SEDIMENT CONTROL

PROPOSED 1' - 5' ROCK WALL UPSTREAM AND DOWNSTREAM OF CULVERT. WALL SHALL NOT BE CONSTRUCTED WITHIN EXISTING SANITARY EASEMENT. OFFSET EACH ROCK TIER 6" TOWARD BANK.

MATCHLINE A - SEE SHEET 4

WIEHLE AVENUE (ROUTE 828)

WIEHLE SOUTH

TEMPORARY ACCESS PATH

VILLAS DE ESPANA

RESTON ASSOCIATION TEMPORARY EASEMENT D.B. 21762, PGS. 1315

RESTON ASSOCIATION STREAM RESTORATION EASEMENTS D.B. 19563, PGS. 1191 & 1252

TALL OAKS ASSISTED LIVING

EX. 20' SANITARY SEW. ESMT (DB 2711, PG 324)

EX. FLOOD PLAIN & STORM DRAINAGE ESMT (D.B. 4209, PG. 32)

EX. SLOPE DRAINAGE & MAINT ESMT (D.B. 2798, PG. 363)

EX. FLOOD PLAIN ESMT (D.B. 3313, PG. 119)

EX. CONCRETE V-DITCH

TWIN BOX CULVERTS TO REMAIN

LOC-TP

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

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET) 1 foot = 20 ft.

CENTERLINE PC & PT LOCATIONS

PC = 10+29.41 MEANDER LEFT PT = 10+48.11
PC = 11+07.64 MEANDER RIGHT PT = 11+54.84
PC = 11+64.31 MEANDER LEFT PT = 12+21.08
PC = 12+49.00 MEANDER RIGHT PT = 13+20.33
PC = 13+24.56 MEANDER LEFT PT = 13+54.70
PC = 13+69.08 MEANDER RIGHT PT = 13+98.58
PC = 14+03.25 MEANDER LEFT PT = 14+79.00

EXISTING TWIN BOX CULVERTS TO REMAIN

3 STEP POOL

PROP. STREAM INVERT 1.0%

PROPOSED ROCK WALL (SEE PLAN VIEW)

3 STEP POOL

1.5%

3 STEP POOL

1.0' REINFORCED BED MATERIAL (SEE CONSTRUCTION DETAILS FOR SPECIFICATIONS)

1.5%

PROPOSED ROCK WALL (SEE PLAN VIEW)

3 STEP POOL

EX. STREAM THALWEG (PROJECTED ONTO CENTERLINE)

POOLS OF ALL STRUCTURES WITH DROPS >0.5' TO BE LINED WITH STRUCTURE ROCK

EARTH FILL – COMPACTED (BY TRACKED EQUIPMENT) SUBJECT TO ENGINEER'S APPROVAL.

STA 10+00.00 INV = 302.52 (R)
STA 10+03.00 INV = 303.11 (W)
STA 10+06.75 INV = 301.81 (P)
STA 10+29.25 INV = 301.81 (P)
STA 10+36.00 INV = 303.11 (W)
STA 10+38.50 INV = 301.81 (P)
STA 10+53.50 INV = 301.81 (P)
STA 10+59.00 INV = 303.11 (W)
STA 10+62.13 INV = 301.31 (P)
STA 10+80.88 INV = 301.31 (P)
STA 10+87.00 INV = 303.11 (W)
STA 11+30.00 INV = 302.69 (W)
STA 11+33.25 INV = 300.86 (P)
STA 11+56.25 INV = 300.66 (P)
STA 11+63.00 INV = 302.39 (W)
STA 11+63.50 INV = 300.53 (P)
STA 11+80.50 INV = 300.29 (P)
STA 11+86.00 INV = 301.99 (W)
STA 11+88.25 INV = 300.16 (P)
STA 12+05.25 INV = 299.96 (P)
STA 12+11.00 INV = 301.69 (W)
STA 12+60.00 INV = 300.99 (W)
STA 12+63.50 INV = 299.07 (P)
STA 12+84.50 INV = 298.40 (P)
STA 12+91.00 INV = 299.99 (W)
STA 12+93.88 INV = 298.12 (P)
STA 13+11.13 INV = 297.22 (P)
STA 13+17.00 INV = 299.39 (W)
STA 13+20.13 INV = 297.53 (P)
STA 13+38.88 INV = 297.20 (P)
STA 13+45.00 INV = 298.89 (W)
STA 14+00.00 INV = 298.08 (W)
STA 14+03.25 INV = 296.17 (P)
STA 14+26.25 INV = 295.49 (P)
STA 14+33.00 INV = 297.08 (W)
STA 14+36.75 INV = 295.27 (P)
STA 14+59.25 INV = 295.28 (P)
STA 14+66.00 INV = 296.98 (W)
STA 14+69.25 INV = 295.12 (P)
STA 14+92.25 INV = 294.71 (P)
STA 14+99.00 INV = 296.38 (W)

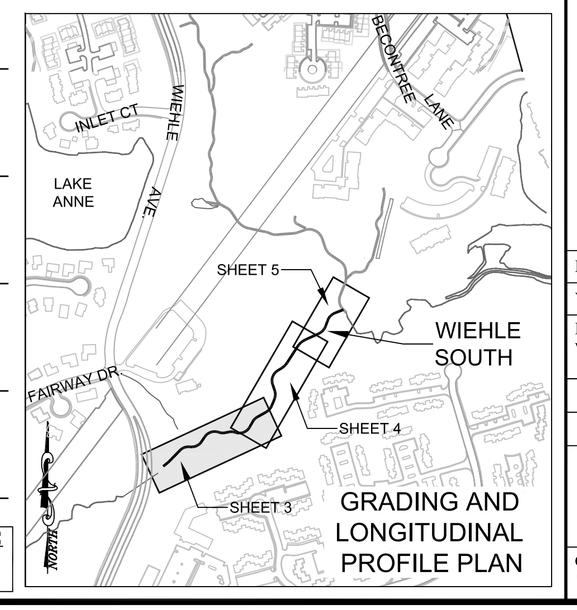
ELEVATION (FT)
308 306 304 302 300 298 296 294 292 290 288

10+00 10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00 14+50 15+00

DISTANCE ALONG BASELINE (FT)

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

REFER TO SHEET 5 FOR GRADING AND PROFILE LEGENDS.



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

Grading Plan and Longitudinal Profile

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

REVISIONS				
No.	Date	Description	Rev. By	App. By

DATE: AUGUST 2012
SCALE: 1" = 60'

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 # 3 of 69

Computer File Name:
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