DO NOT DISTURB EXISTING PLAYGROUND EQUIPMENT OR WOODEN BORDER, INCLUDING PEDESTRIAN BENCH. REPLACE IF DAMAGED.

CONSTRUCTION ACCESS TO BE DETERMINED IN THE FIELD TO REDUCE IMPACT TO TREES. NOT ALL TREES WITHIN THE LOC ARE TO BE REMOVED.

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.

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

REMOVE, STORE, AND REINSTALL BRIDGE. USE TEMPORARY CROSSING DURING CONSTRUCTION.

PROPOSED CONSTRUCTION ENTRANCE

EX ASPHALT TRAIL

TEMPORARY ACCESS PATH

EX. 15' UTILITY ESMT (D.B. 2850, PG. 213)

207.54'

S49°20'25"E

STREAM RESTORATION EASEMENTS D.B. 19405, PG. 1936 D.B. 19405, PG. 2002

N89°07'57"E

INACTIVE RED-SHOULDERED HAWK NESTS

UPSTREAM LIMIT OF REACH 1 - TIE TO EXISTING CULVERT

TIE-OUT ROCK WALL AT 32° FOF ∢ 14" W OAK.

PLACE CLASS II RIPRAP UNDER BRIDGE AT GRADE (AS SHOWN). SPREAD 4 INCHES SALVAGED STREAMBED MATERIAL IN LOW FLOW AND FILL VOIDS WITH TOPSOIL/SAND MIXTURE ABOVE LOW FLOW CHANNEL.

REFER TO THE EROSION AND SEDIMENT CONTROL PLAN FOR ACCESS DETAILS.

EXPOSED UTILITIES UNKNOWN. BACKFILL WITH EXTREME CARE AFTER 72-HR NOTICE TO MISS UTILITY

USE STRUCTURE ROCK WITH FOOTERS TO STABILIZE STEEP SLOPES AS SHOWN

RELOCATE INSIDE ARM IF NEEDED TO END AT 17" R MAP.

SQUIRREL NEST

EX. FLOOD PLAIN ESMT (D.B. 2850, PG. 213)

TEMPORARY ACCESS PATH

EX UNPAVED TRAIL

TIE IN SWALE FROM CULVERT TO PROPOSED STEP POOL WITH REINFORCED BED.

COMMUNITY SWIMMING POOL

ROCK WALL

ACTIVE WOODPECKER CAVITY

STABILIZE TRIBUTARY #1 WITH REINFORCED BED MATERIAL. DO NOT DISTURB TREES OR EXISTING PEDESTRIAN BRIDGE.

SQUIRREL NEST

INACTIVE CAVITY

GRADE 3-FT BENCH AT 10:1 SLOPE FROM STA 0+19 TO STA 1+19 ALONG RIGHT BANK.

STABILIZE SWALE AT CONFLUENCE WITH REINFORCED BED.

INACTIVE CAVITY

SNAG

STREAM RESTORATION EASEMENTS D.B. 19405, PG. 1936 D.B. 19405, PG. 2002

RELOCATE INSIDE ARM IF NEEDED TO END AT 8" ∢ 13" W OAK.

REPLACE EXISTING BRIDGE. SEE BRIDGE DETAILS SHEET FOR DESIGN AND DETAILS. TRAIL SHALL TIE INTO EXISTING TRAILS AS SHOWN AND BE 8' WIDE, 2" THICK TYPE I ASPHALT BIKEWAY WITH 2' SHOULDER PURSUANT TO THE FAIRFAX COUNTY PFM SECTION 8-0000, "SIDEWALKS, TRAILS, AND RECREATION".

STREAM RESTORATION EASEMENTS D.B. 19405, PG. 1936 D.B. 19405, PG. 1984

EXPOSED UTILITY CABLES IN AREA NOT SURVEYED

TEMPORARY STREAM EASEMENT D.B. 19983, PG. 1215

INACTIVE NEST

RELOCATE INSIDE ARM IF NEEDED TO END AT 21" OAK

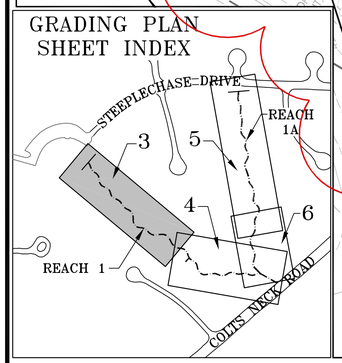
INSTALL 2'x3'x3' ROCK STEPPING STONES TO REPLACE TEMPORARY LOW FLOW BRIDGE.

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

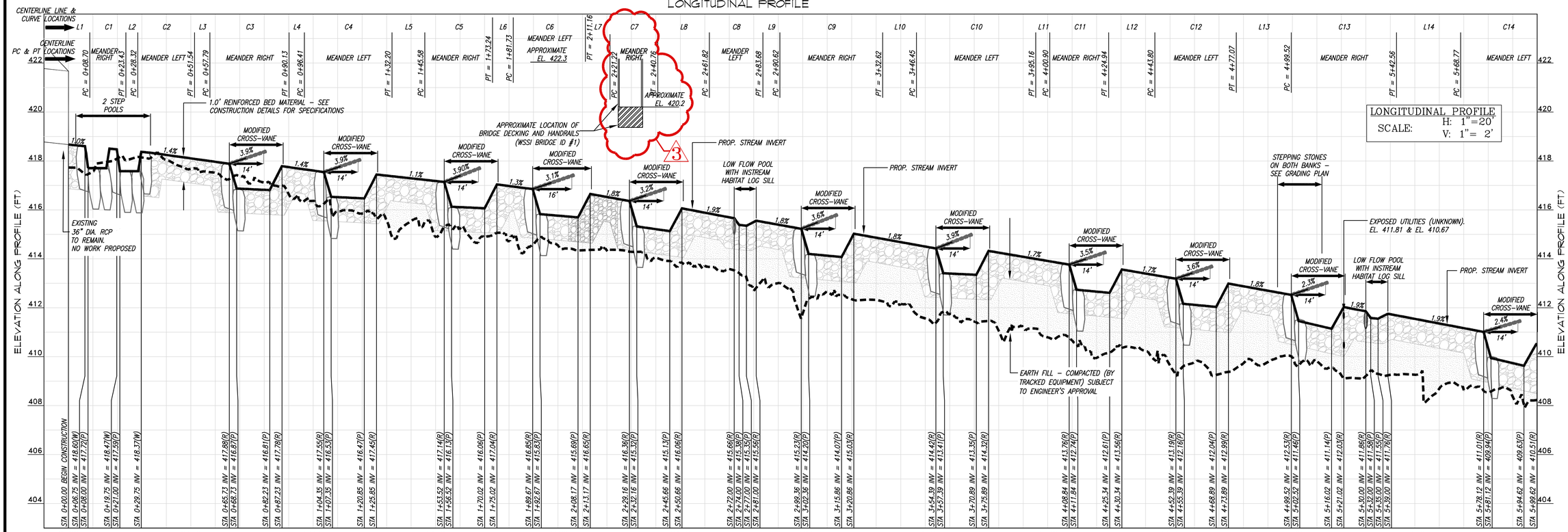
GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET) 1 inch = 20 feet

REFER TO SHEET 6 FOR GRADING AND PROFILE LEGENDS

GRADING PLAN SHEET INDEX



LONGITUDINAL PROFILE



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

Wetland Studies and Solutions, Inc.
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Phone 703.679.5600 • Fax 703.679.5601
wetlandstudies.com

Northern Virginia Stream Restoration Bank
The Glade - Reaches 1 & 1A
Fairfax County, Virginia

Reach 1 Grading Plan and Longitudinal Profile

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COMMONWEALTH OF VIRGINIA
FRANK R. GRAZIANO
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PROFESSIONAL ENGINEER

REVISIONS

No.	Date	Description	Rev. By:	App. By:
1	12/08	Revised LOC/ Temp Access		
2	12/08	Additional structures to protect trees		
3	12/08	Revised bridge lengths and locations		
4	12/08	Additional Grading Notes		

DATE: OCTOBER 2008
SCALE: 1" = 20'

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

Design	Draft	Approved
KLS	KLS	FRG

Sheet # 3 of 73

Computer File Name:
L:\2000\0\2003\Cad\04ENGR\[1-4Planset+Revision 1 GRADING PLAN & PROFILE 01.dwg