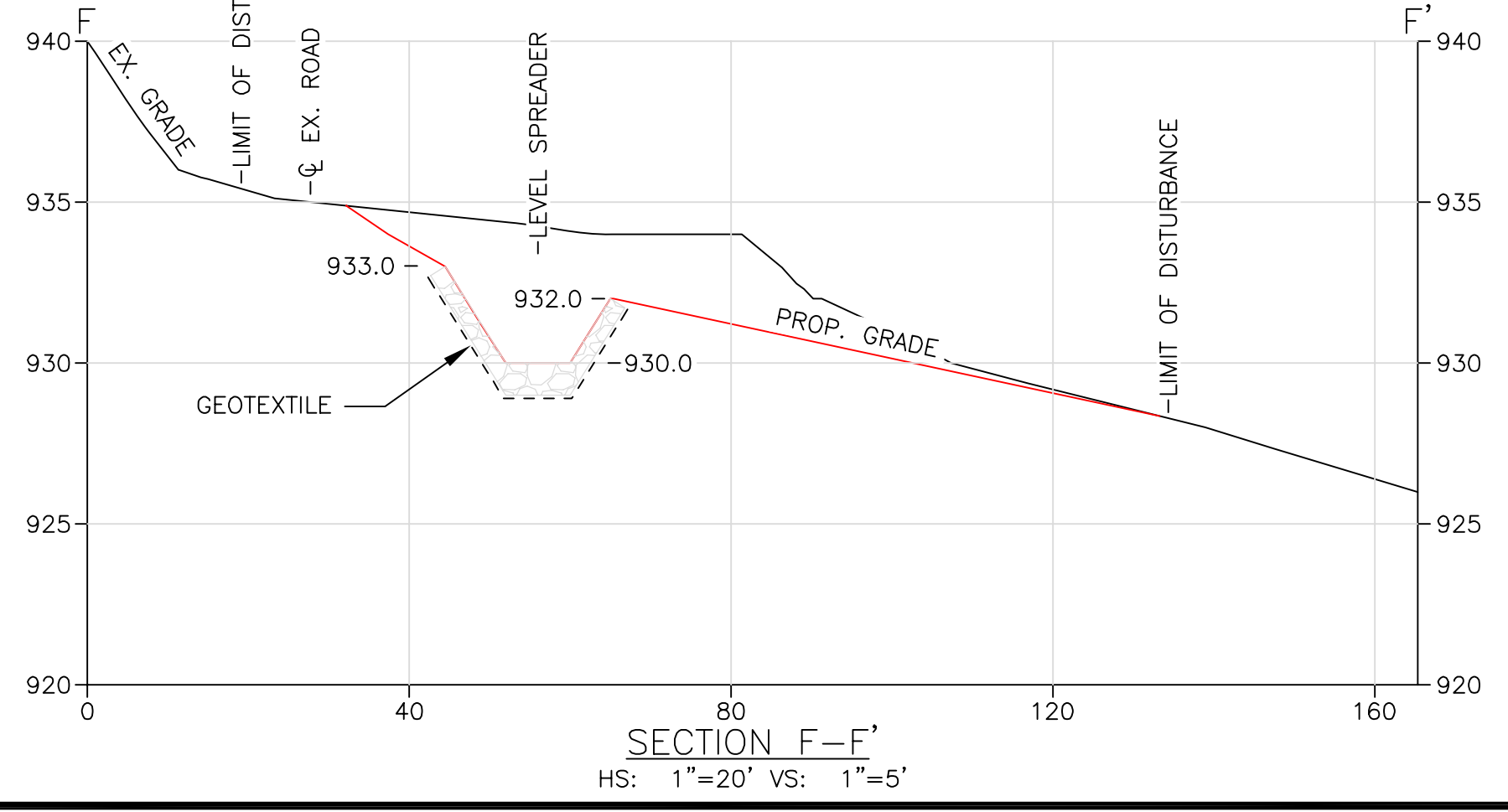
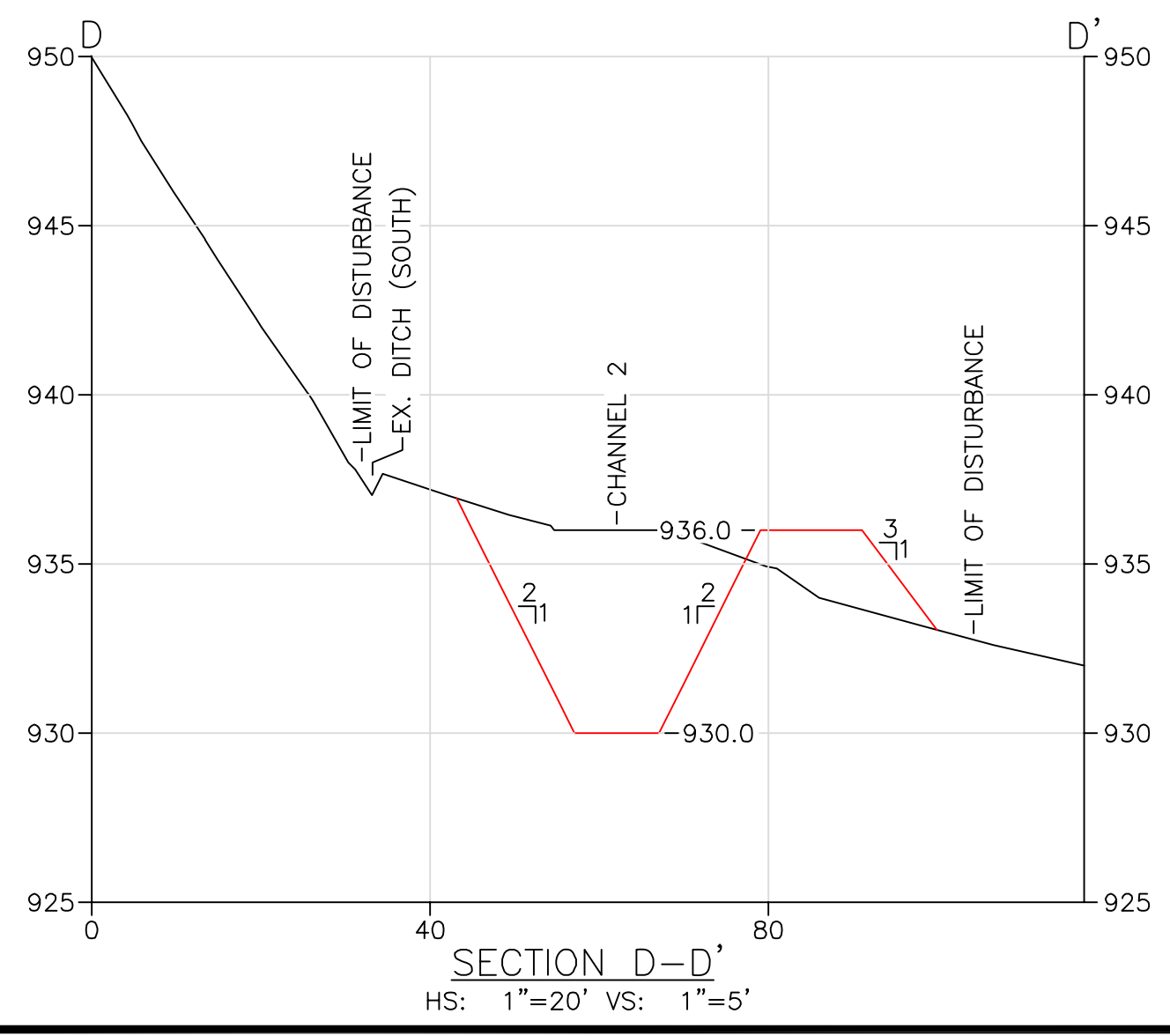
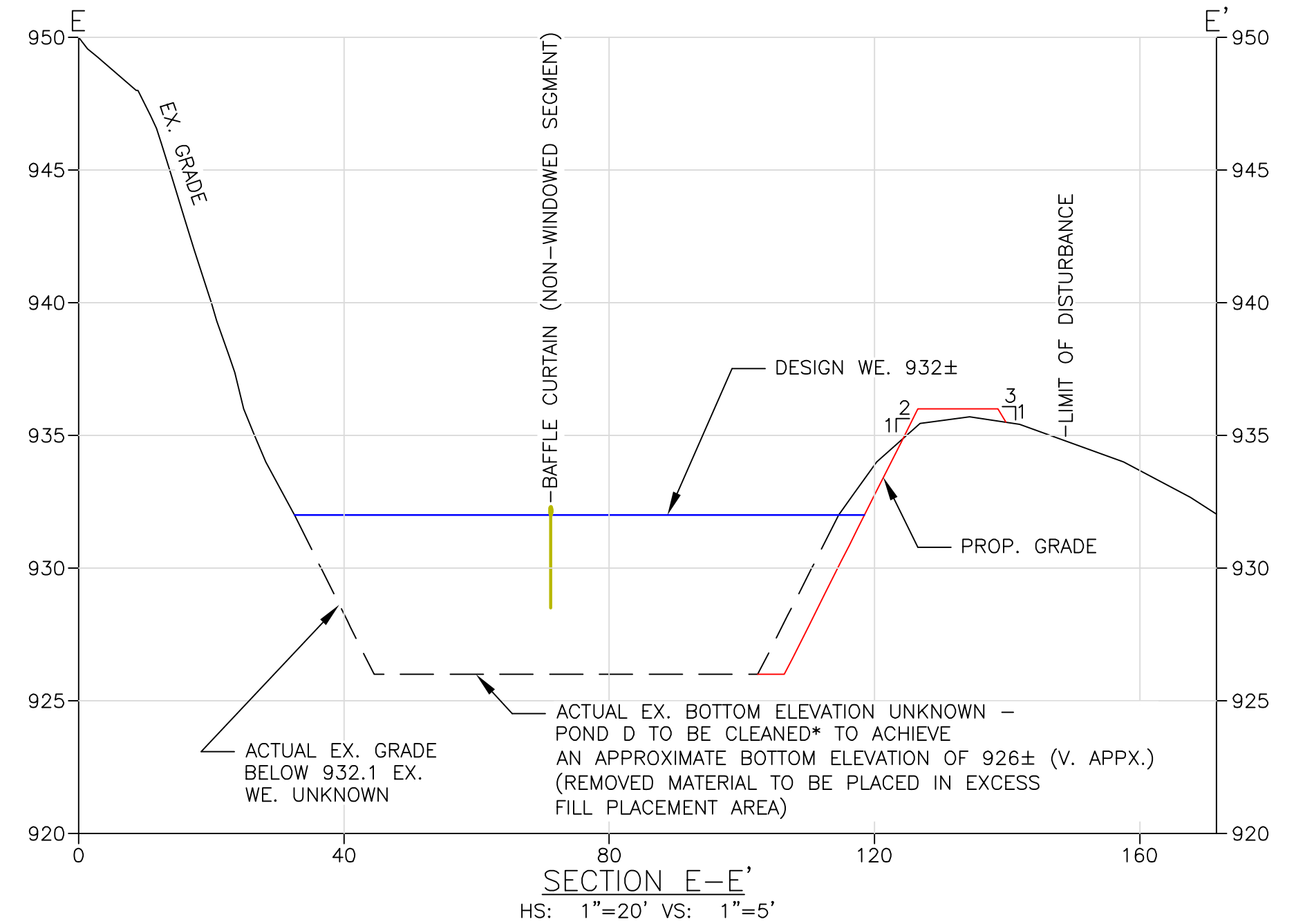


NOTE:  
FOR THE VERTICAL FLOW POND AND CONSTRUCTED WETLAND, IT IS INTENDED THAT A CLAY LINER BE PLACED ON AN "AS NEEDED" BASIS WHERE UNSATISFACTORY MATERIALS ARE ENCOUNTERED BELOW THE DESIGN WATER LEVEL DURING EXCAVATION; HOWEVER, THE CONTRACTOR MAY CHOOSE TO INSTALL A LINER ALONG THE EXTENT OF THE BOTTOM AND SIDES TO THE DESIGN WATER LEVEL IN BOTH THE VFP AND CONSTRUCTED WETLAND.

WHERE UNSATISFACTORY MATERIAL IS ENCOUNTERED DURING EXCAVATION, REMOVE ANY ORGANIC DEBRIS AND TRASH. REMOVE ANY SOFT, WET, COALY (POTENTIALLY ACID PRODUCING), OR OTHERWISE UNSUITABLE MATERIAL. UPON REMOVAL OF UNSATISFACTORY MATERIAL, RESTORE THE FOUNDATION WITH COMPACTED SATISFACTORY MATERIAL TO WITHIN 1' OF THE LINES AND GRADES SHOWN. PLACE AND COMPACT ONSITE CLAY MATERIAL TO THE REQUIRED 1' THICKNESS DIRECTLY ON THE PREPARED FOUNDATION TO THE LINES AND GRADES SHOWN. WHERE THE PROPOSED GRADE OF THE VERTICAL FLOW POND AND CONSTRUCTED WETLAND IS COMPLETED IN IN-PLACE CLAY MATERIAL, ADDITIONAL PLACEMENT OF CLAY LINER MATERIAL IS NOT REQUIRED.



\*CONTRACTOR TO DEVELOP AND SUBMIT PLAN TO CLEAN POND D AS SEPARATE PAYMENT ITEM. ADJUSTMENTS TO THE FINAL BOTTOM ELEVATION MAY BE INCORPORATED INTO THE PLAN AFTER REVIEW BY THE DEPARTMENT.

SHEET 3 of 6	SECTIONS
Cross Sections	
<b>PENNSYLVANIA DEPARTMENT of ENVIRONMENTAL PROTECTION</b> <b>DUGAN #2 PASSIVE TREATMENT SYSTEM</b> <b>SMP# 14663003</b>	
TROUT RUN SUBWATERSHED, MOSHANNON CREEK WATERSHED RUSH TOWNSHIP, CENTRE COUNTY, PA Scale: As Shown December 2008	
<b>BioMost, Inc. Mining and Reclamation Services</b> Mars, PA www.biomost.com	