

Memorandum

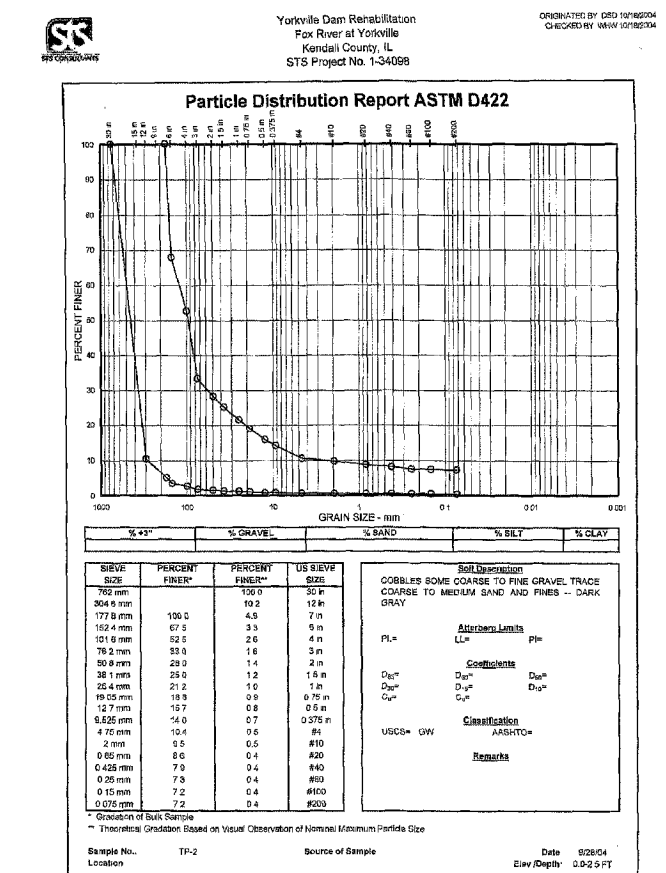
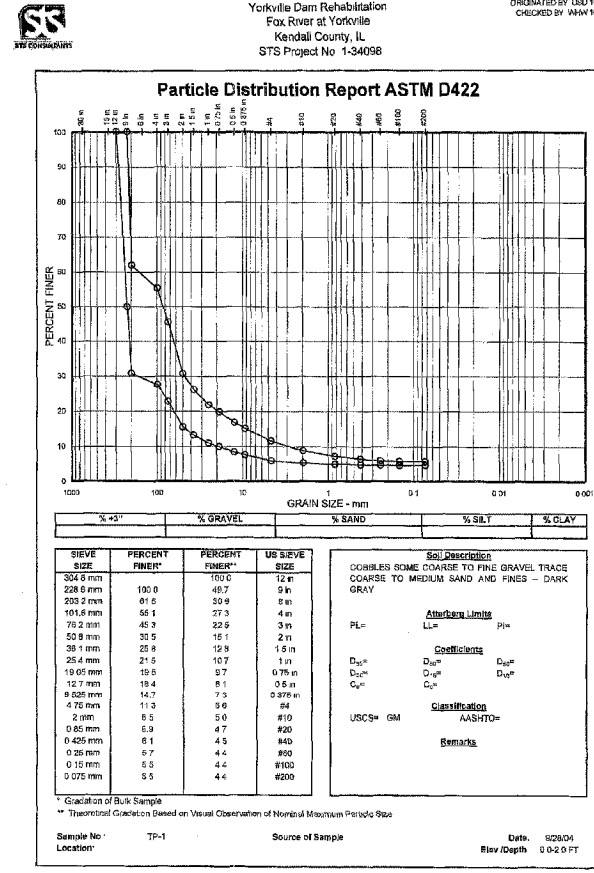
Date: October 18, 2004
 To: Mr. Robert Murdock, P.E.
 Cc:
 From: D. Diehm, P.E. and W. Walton, P.E., S.E.
 RE: Particle Size Analysis of the Test Pit Bulk Samples for the Yorkville/Clen Palmer Dam Rehabilitation, Fox River at Yorkville, Kendall County, Illinois - STS Project No. 1-34098

In response to your request, STS Consultants, Ltd. (STS) has revised the particle size distribution results provided in the draft report (issued October 6, 2004) to reflect the estimated contribution of the +9-inch diameter materials that were excluded from the tested bulk samples. For each of the three locations (TP-1, TP-2, and TP-3), a theoretical gradation is provided based on visual observation of the nominal maximum particle size. The as-tested gradation is shown for comparison. The revised distribution curves are provided in the attachments to this letter report.

A composite of the three theoretical gradations with the interpreted limits of the particle distributions is also provided. Due to the limited number of tests, and the potential for variability between sampling locations, it is recommended that the design be based on the interpreted distribution envelope rather than the location specific gradations.

We appreciate this opportunity to be of service to you. If there are any questions with regard to the information contained in this letter report, or if we may be of further assistance, please do not hesitate to contact us.

Respectfully,
 STS CONSULTANTS, LTD.



LOCATION OF BORINGS ON SHEET 6

DESIGNED BY MD CHECKED BY RUM DRAWN BY RUM
 1-18-2005 11:43:30
 S:\DOCUMENT\02348801\CIVIL\DGN\BOL000V.V.DGN