

**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/Glen Palmer Dam Rehabilitation, Fox River at Yorkville, Kendall County, Illinois - STS Project No 1-34098

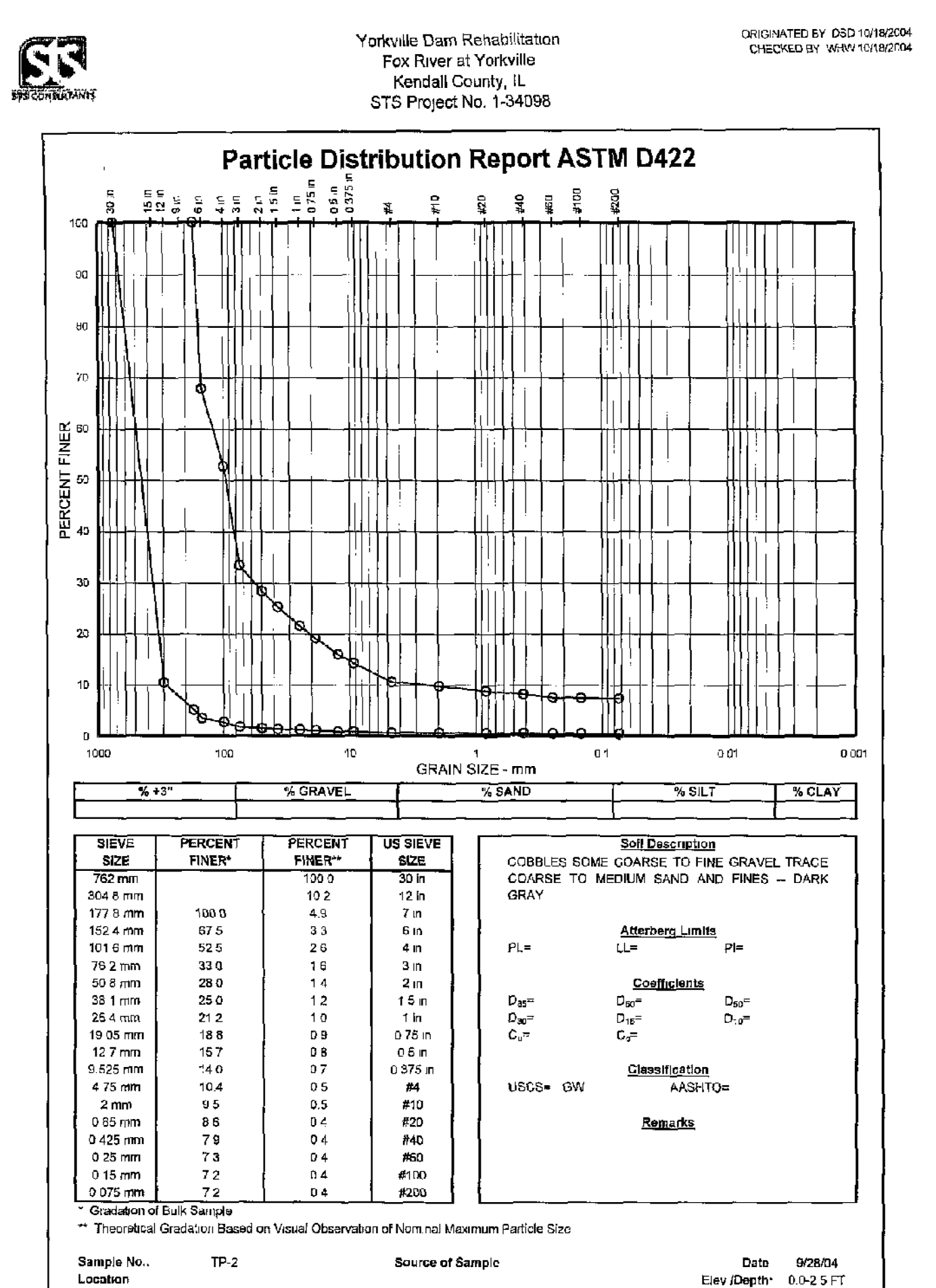
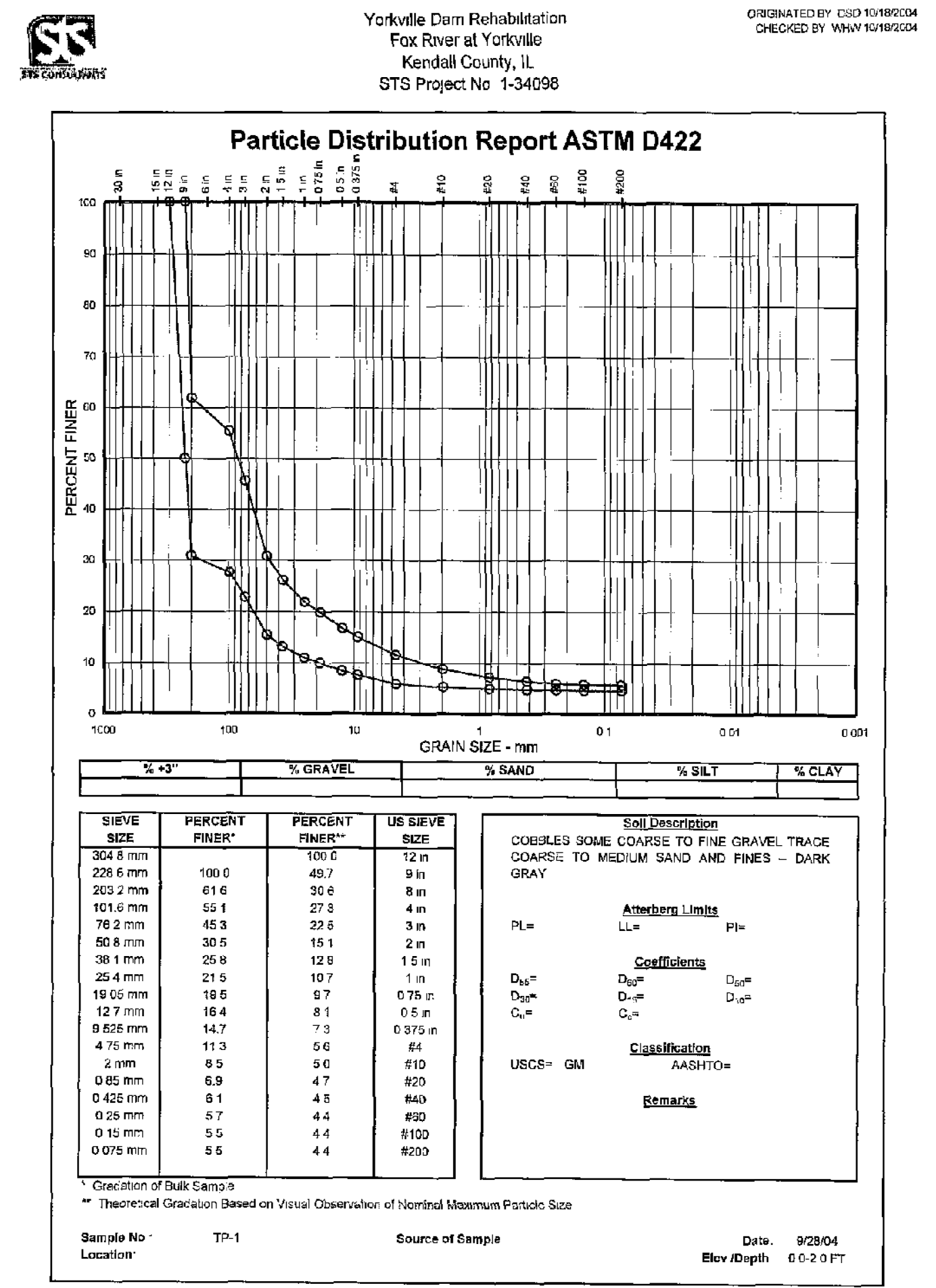
In response to your request, STS Consultants, Ltd (STS) has revised the particle size distribution results provided in the draft report (issued October 8, 2004) to reflect the estimated contribution of the +9-inch diameter materials that were excluded from the tested bulk samples. For each of the three 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

STS CONSULTANTS, LTD  
111 W. Washington St., Suite 1800  
Chicago, Illinois 60602  
Voice: 312.214-6000  
Fax: 312.214-6000



LOCATION OF BORINGS ON SHEET B2

S:\DOCUMENT\02348801\CIVIL\DGN\BOL00QYL.DGN  
4:52:35 PM  
10/09/2007

Designed BY: JPR  
Checked BY: TKL  
Drawn BY: JPR  
Checked BY: TKL