



Tennessee Valley Authority, 714 Swan Pond Road Trailer Park, Harriman, Tennessee 37748

February 18, 2009

Mr. Paul Davis, Director
Division of Water Pollution Control
Tennessee Department of Environment and Conservation
6th Floor, L&C Annex
401 Church Street
Nashville, Tennessee 37402

TENNESSEE VALLEY AUTHORITY (TVA), KINGSTON FOSSIL PLANT (KIF) – COMMISSIONER'S ORDER, CASE NUMBER OGC09-0001 – INTERIM SCOUR PROTECTION OF ASH POND DIKE C IN AFFECTED WATERS OF THE STATE AND NOTIFICATION TO THE U.S. ARMY CORPS OF ENGINEERS

Dear Mr. Davis:

The Commissioner's Order, Section VIII.1, directs TVA to implement measures to prevent the movement of ash into waters of the State, as well as prevent its migration downstream in the river. To that end, TVA is submitting information to immediately implement interim scour protection of the KIF Ash Pond Dike C at the intersection with the temporary Weir 1. Our stability consultants, Stantec Consulting, have identified this area as needing immediate attention. Increased scouring of the Dike C external wall is occurring due to redirected Emory River flow from ash deposited in the river channel. Enclosed are two drawings detailing the work TVA will perform. Please note that this work will be limited to the Dike C external wall and will not significantly increase the amount of rock placed in the Emory River channel at Weir 1.

TVA appreciates your expeditious review of this information. We will begin construction on interim scour protection on Monday February 23, 2009. Further investigation of Dike C may require additional scour protection implementation at a later date.

By copy of this letter, TVA is also notifying the U.S. Army Corps of Engineers of this activity.

If you have any questions, please contact me at (423) 871-1666 or by email at cmanderson@tva.gov. If I am not available, please contact Lindy Johnson at (423) 751-3361 or by email at lpjohnson@tva.gov.

Sincerely,

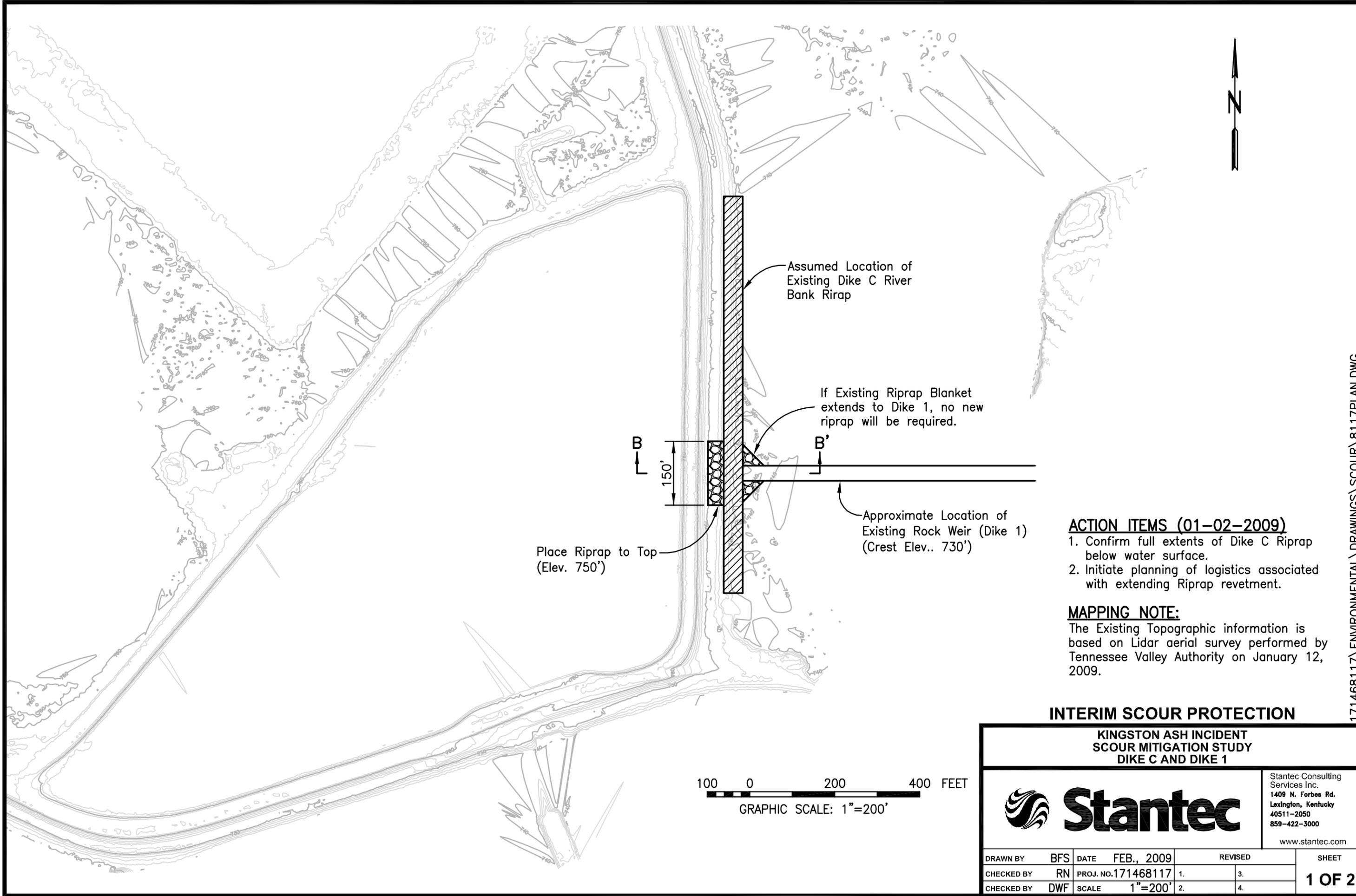
Cynthia Anderson
Manager, Water and Waste Programs
Environmental Permitting and Compliance

CMA:DJC

Enclosures

cc (Enclosures):

Bradley Bishop, U. S. Army Corps of Engineers Regulatory Branch
Tom Welborn, Environmental Protection Agency - Region 4
Paul Davis, TDEC, Division of Water Pollution Control
Paul Sloan, TDEC, Deputy Commissioner
Chuck Head, TDEC, Division of Land Uses
L. P. Johnson, LP 5D-C
C. W. McCowan, KFP 1T-KST
A. A. Ray, WT 11A-K
G. R. Signer, WT 6A-K
R. T. Hope, KFP 1T-KST
KIF Incident Document Control
EDMS, WT CA-K



Assumed Location of Existing Dike C River Bank Riprap

If Existing Riprap Blanket extends to Dike 1, no new riprap will be required.

Place Riprap to Top (Elev. 750')

Approximate Location of Existing Rock Weir (Dike 1) (Crest Elev.. 730')

ACTION ITEMS (01-02-2009)

1. Confirm full extents of Dike C Riprap below water surface.
2. Initiate planning of logistics associated with extending Riprap revetment.

MAPPING NOTE:

The Existing Topographic information is based on Lidar aerial survey performed by Tennessee Valley Authority on January 12, 2009.

INTERIM SCOUR PROTECTION

**KINGSTON ASH INCIDENT
SCOUR MITIGATION STUDY
DIKE C AND DIKE 1**



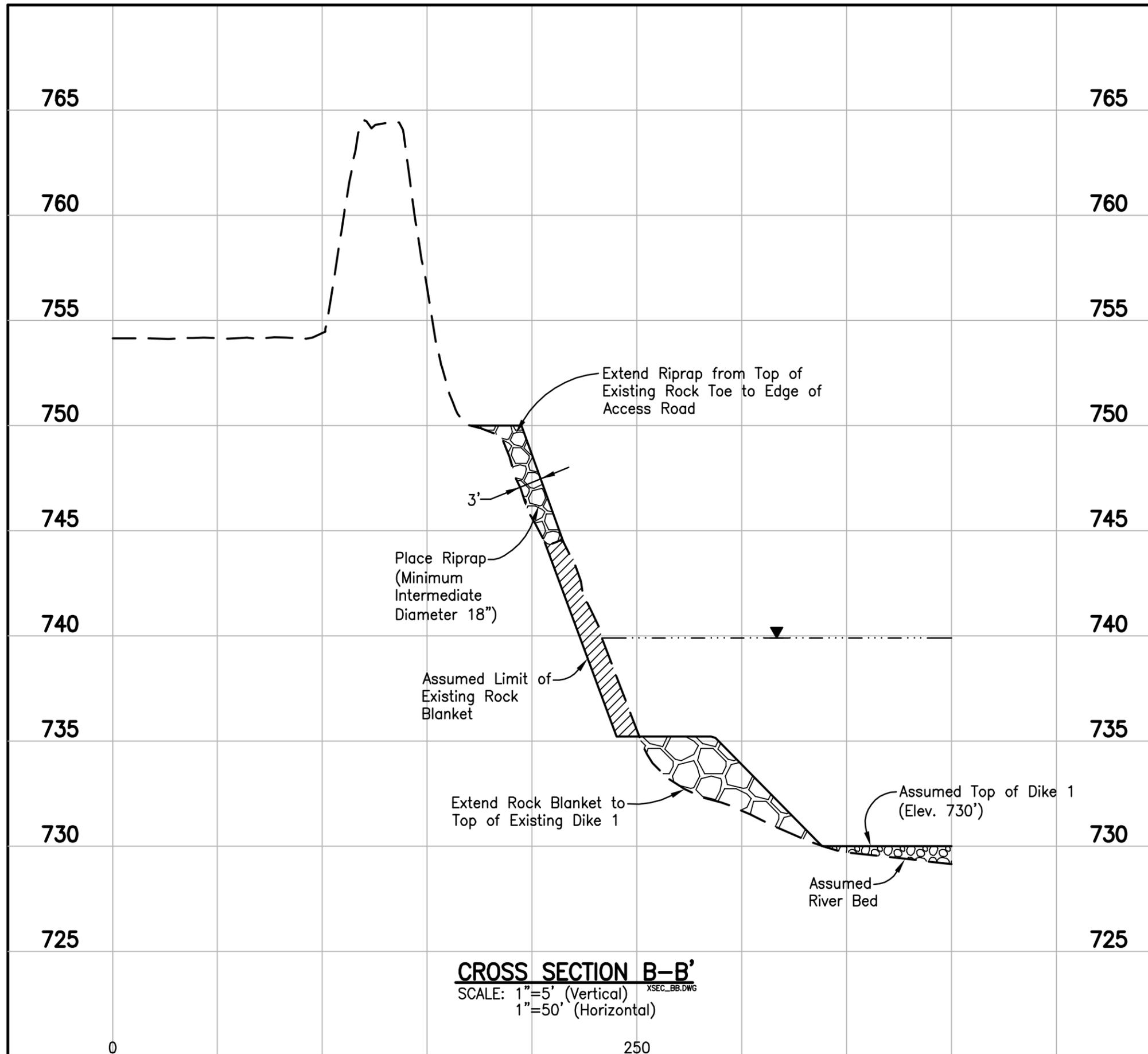
Stantec Consulting Services Inc.
1409 N. Forbes Rd.
Lexington, Kentucky
40511-2050
859-422-3000

www.stantec.com

DRAWN BY	BFS	DATE	FEB., 2009	REVISED	SHEET
CHECKED BY	RN	PROJ. NO.	171468117	1.	3.
CHECKED BY	DWF	SCALE	1"=200'	2.	4.

1 OF 2

171468117 ENVIRONMENTAL DRAWINGS SCOUR 8117PLAN.DWG



CROSS SECTION B-B'
 SCALE: 1"=5' (Vertical)
 1"=50' (Horizontal)

INTERIM SCOUR PROTECTION

**KINGSTON ASH INCIDENT
 SCOUR MITIGATION STUDY
 DIKE C AND DIKE 1**



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CHECKED BY	DWF	SCALE	AS SHOWN	2.	4.

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