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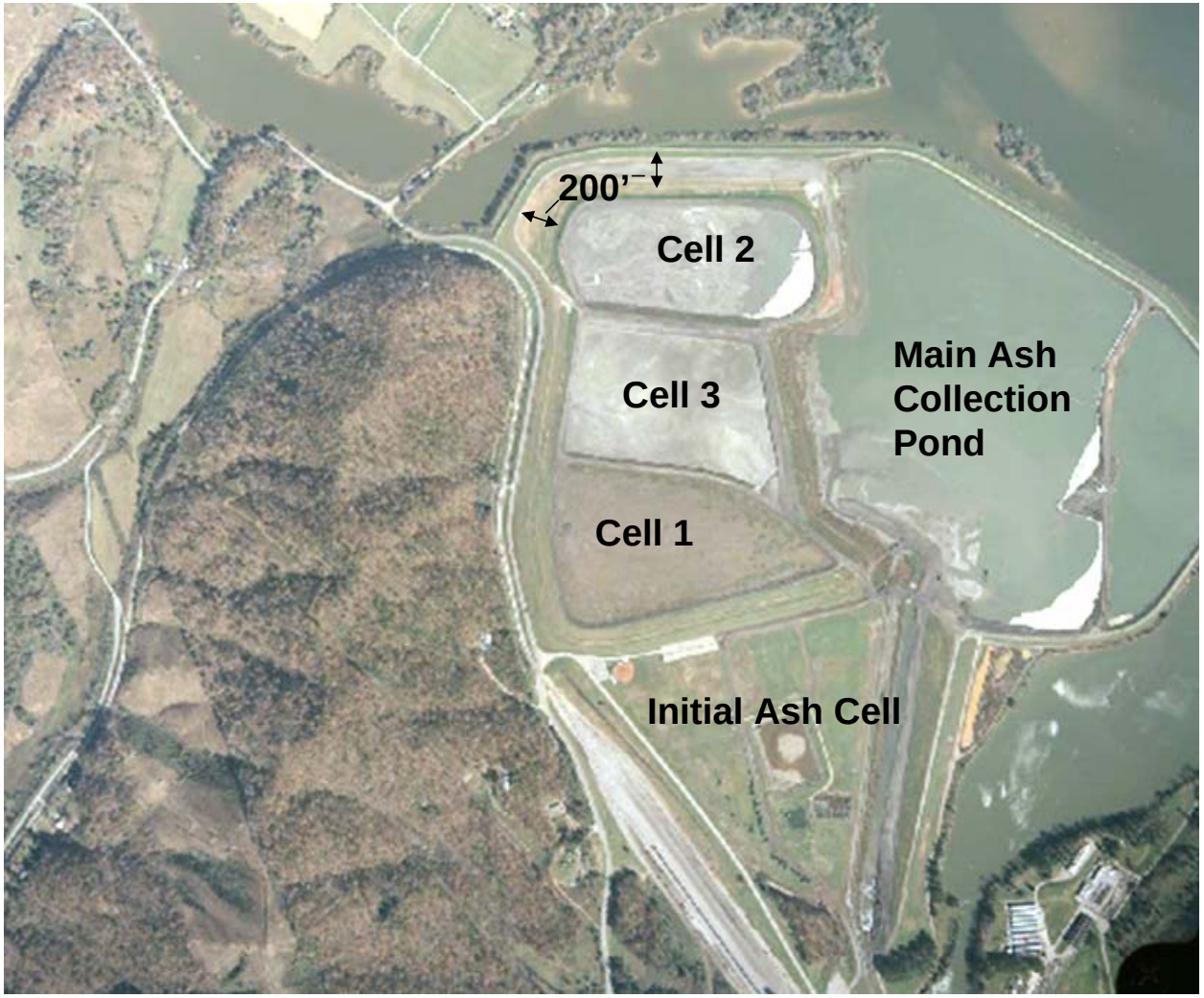
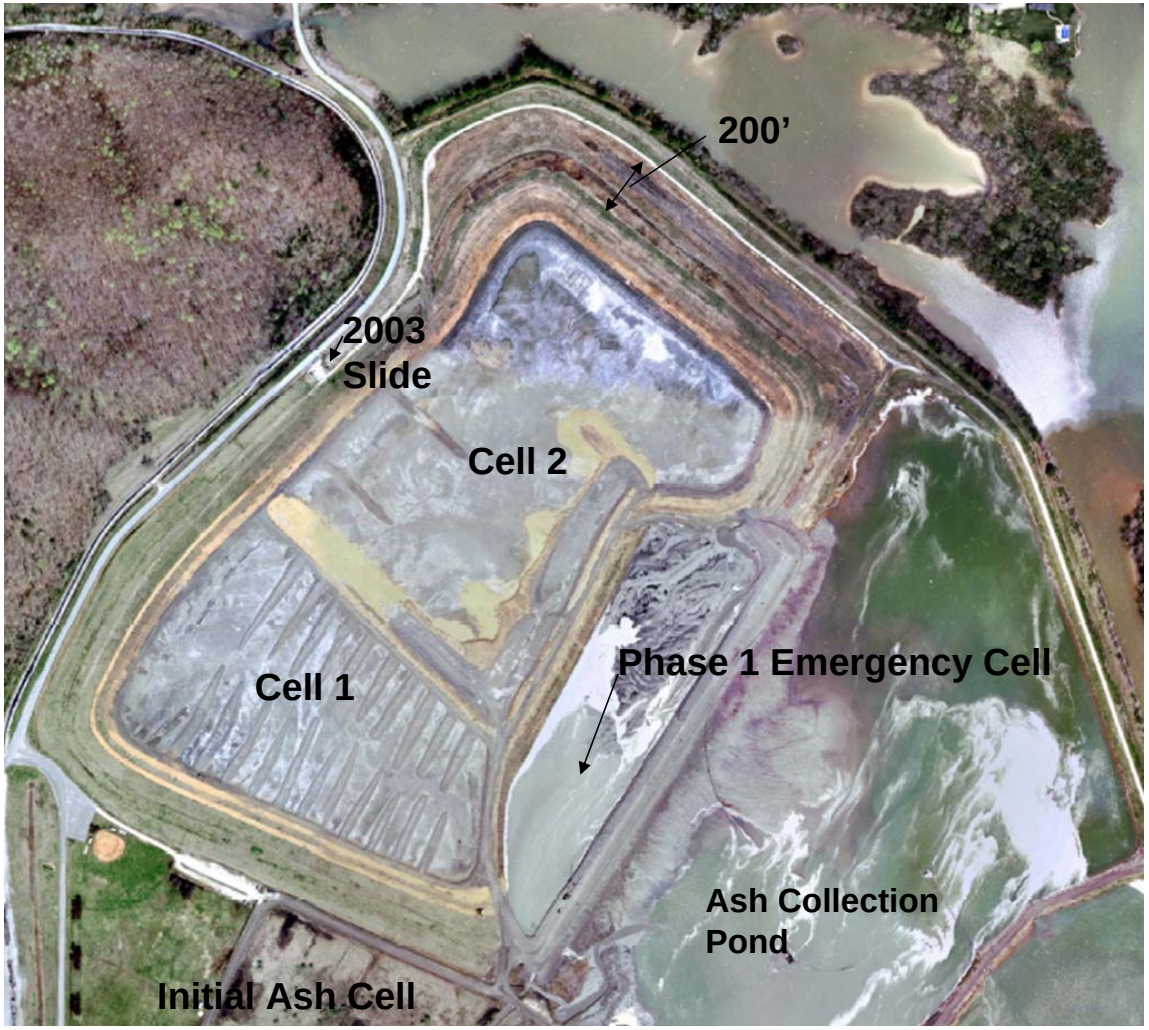


TVA KINGSTON DREDGE CELL FAILURE 12-22-2008
KINGSTON FOSSIL PLANT
HARRIMAN, TENNESSEE

AECOM

FIGURE No. 1.2.5_1

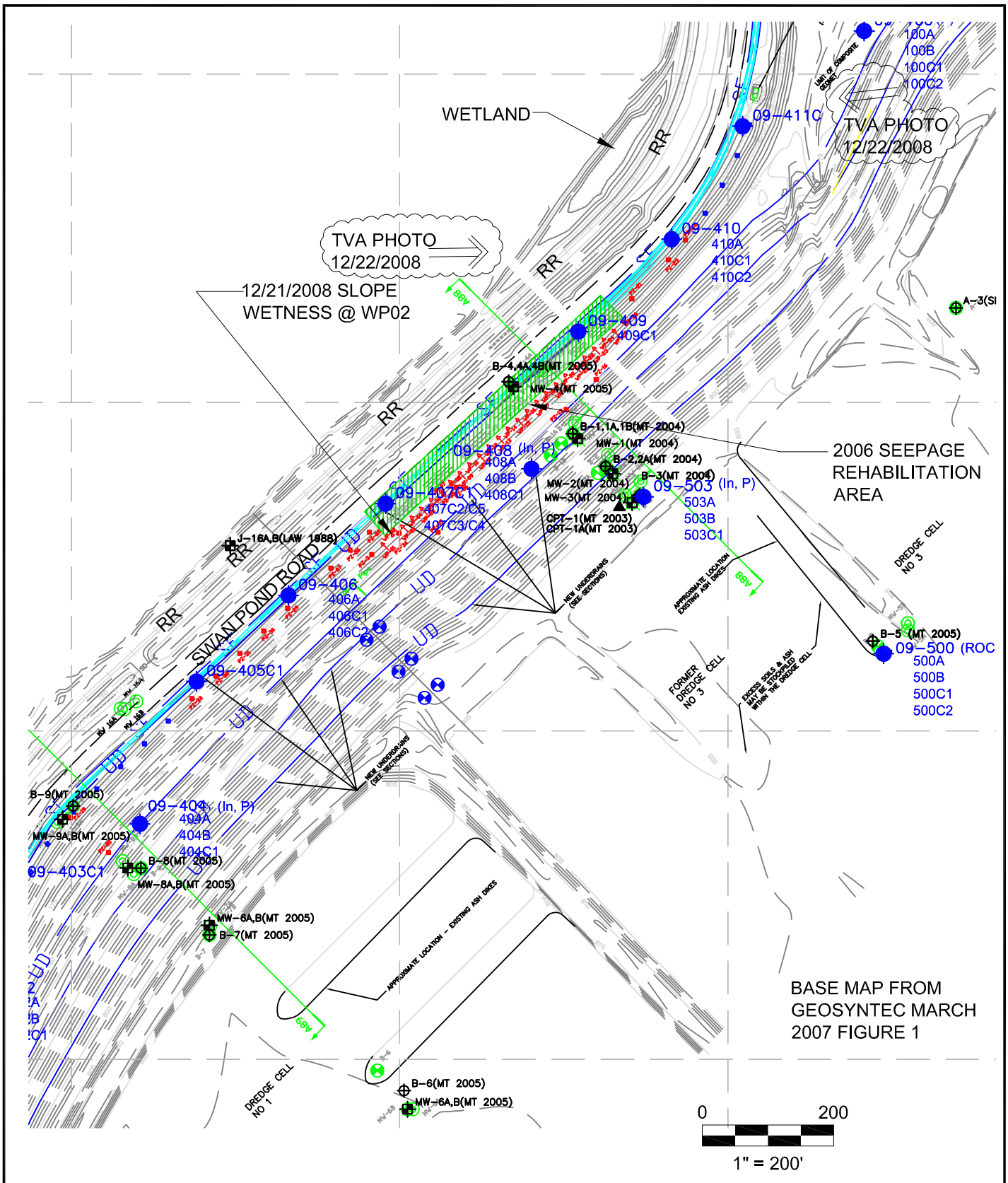
4-5-2005



TVA KINGSTON DREDGE CELL FAILURE 12-22-2008
KINGSTON FOSSIL PLANT
HARRIMAN, TENNESSEE

AECOM

FIGURE No. 1.2.5_2



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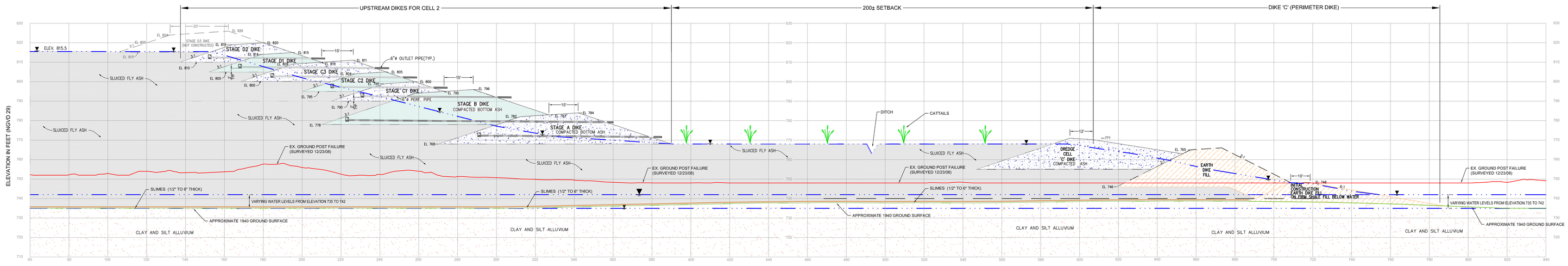
WEST SWAN POND ROAD
ROOT CAUSE ANALYSIS
TVA KINGSTON DREDGE CELL FAILURE
ON DECEMBER 22, 2008
KINGSTON FOSSIL PLANT
HARRIMAN, TENNESSEE

Drawn :	DJD	6/12/2009
Checked:	LWB	6/12/2009
Approved:	WHW	6/12/2009
PROJECT NUMBER	60095742	
FIGURE NUMBER	1.2.5_3	

X:\PROJECTS\60095742\DWG\G60095742-WEST-SWAN-POND-ROAD.dwg; 6/14/2009 4:01:45 PM; DEARMAN, DANIEL; STS.stb

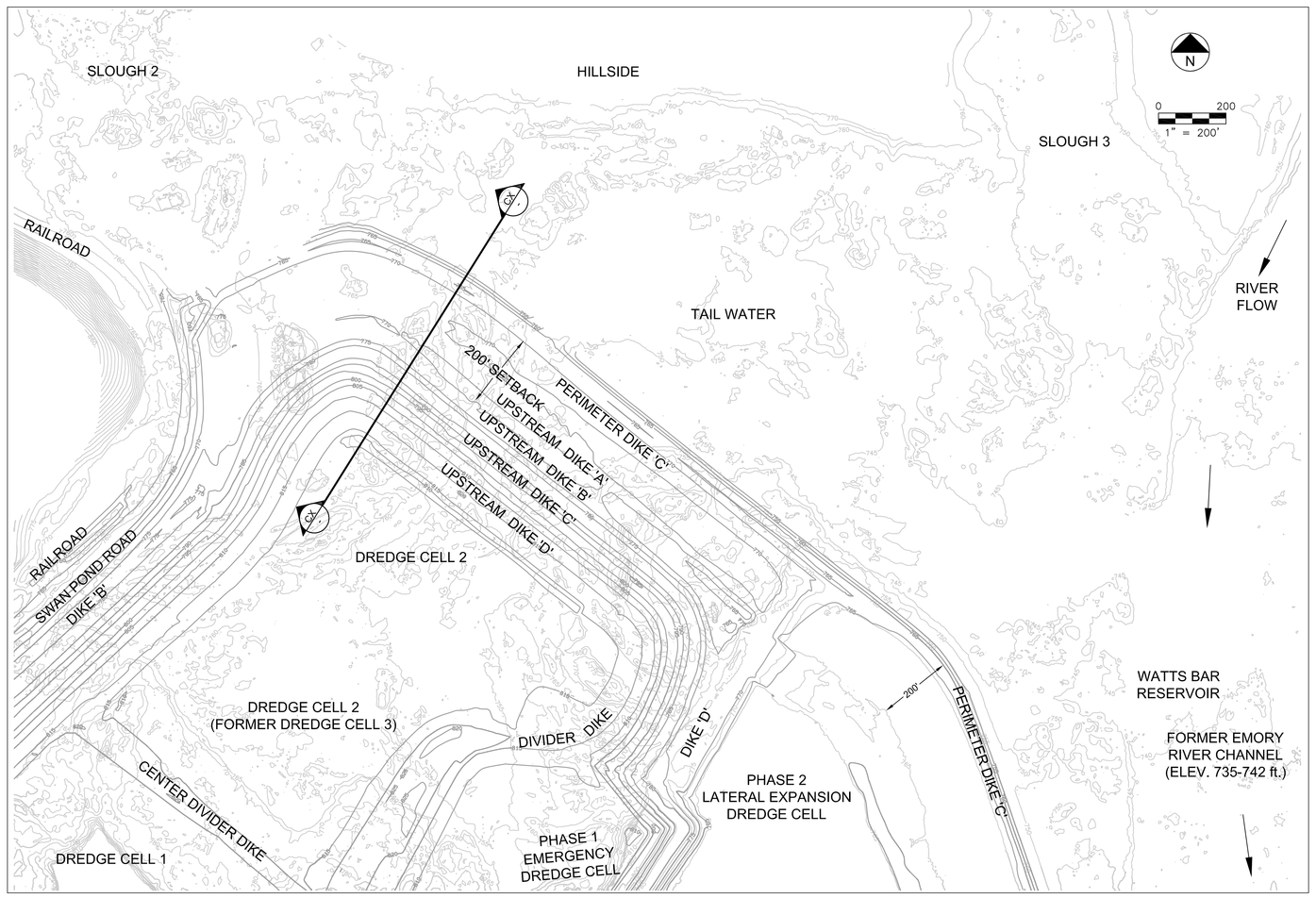


REFERENCE DRAWINGS:

1. TVA 10N400, R6 DATED FEBRUARY 16, 1977.
2. TVA 10W425-1 THROUGH 10W425-6, R0 STAMPED ON APRIL 6, 1998.

CX

DIKE CROSS SECTION
SCALE : 1" = 20' HORIZONTAL
1" = 20' VERTICAL



NOTES:

1. PRE-FAILURE CONTOURS FROM SURVEY PERFORMED BY TVA IN MAY AND DECEMBER 2008.
2. POST-FAILURE CONTOURS FROM SURVEY PERFORMED BY TVA ON DECEMBER 23, 2008.

CROSS SECTION INDEX
SCALE : 1" = 200' HORIZONTAL

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ROOT CAUSE ANALYSIS
TVA KINGSTON DREDGE CELL FAILURE
ON DECEMBER 22, 2008
KINGSTON FOSSIL PLANT
HARRIMAN, TENNESSEE

INTERPRETIVE CROSS SECTION
OF NORTH CELL 2 & DIKE C
LOOKING WEST

Issued

Rev	Date	Description

Designed:
Drawn: DTB 6/12/2009
Checked: LWB 6/12/2009
Approved: WHW 6/12/2009

PROJECT NUMBER
60095742

SHEET REFERENCE NUMBER
1.2.5_4

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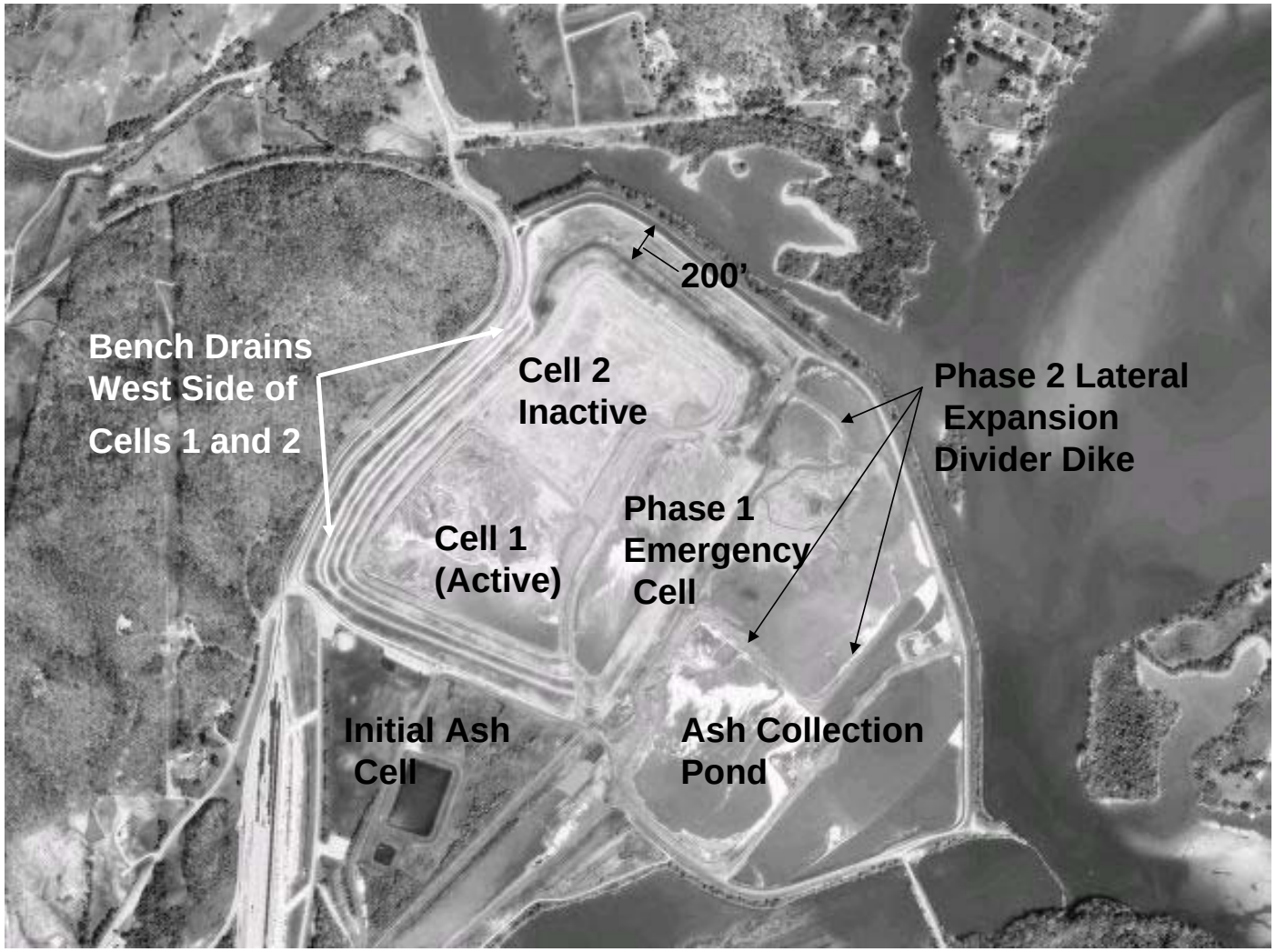
4-5-2008


200’
Bench Drains
West Side of
Cells 1 and 2
Cell 2
Inactive
Phase 2 Lateral
Expansion
Divider Dike
Phase 1
Emergency
Cell
Cell 1
(Active)
Initial Ash
Cell
Ash Collection
Pond

12-30-08

Phase 2
Lateral
Expansion
Area
Cell 1 Divider Dike
DREDGE CELL 1
Cell 1
MAIN ASH POND
EMORY RIVER
200’