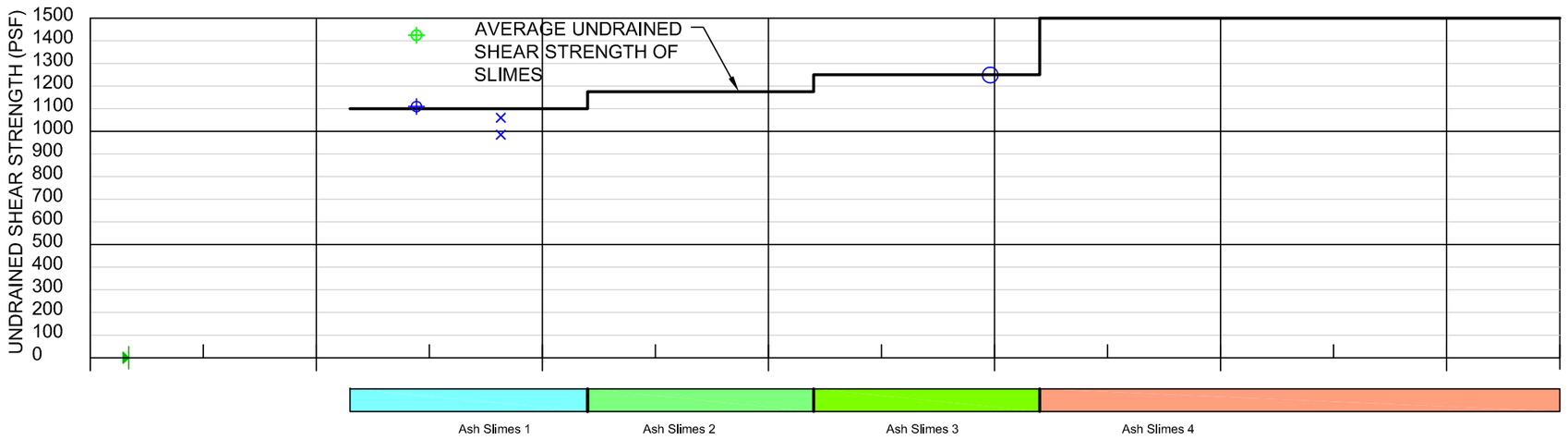
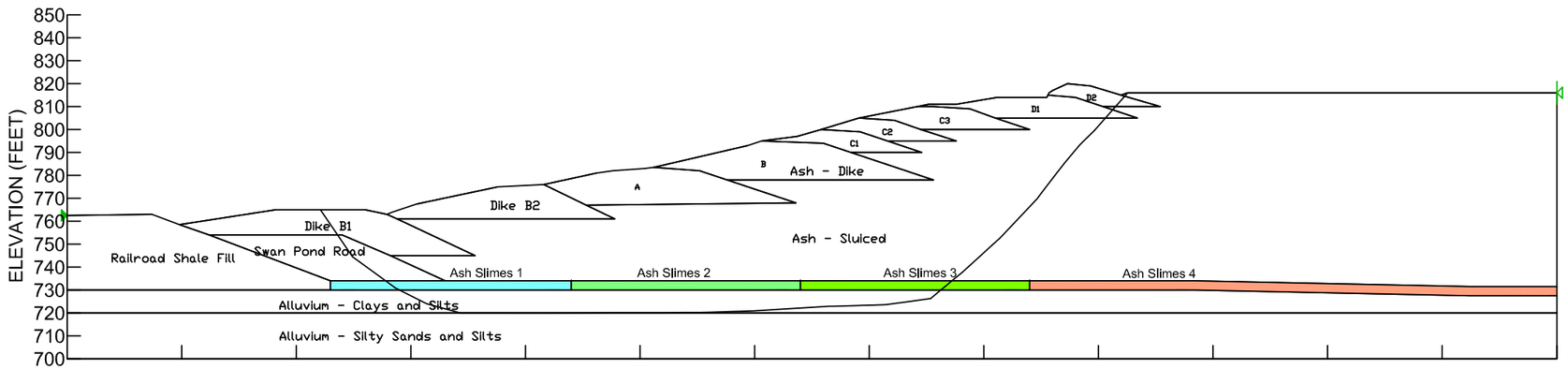
SLOPE STABILITY ANALYSIS FOR CELL 2 SW SECTION CASE 1 (SECTION ALONG SWAN POND ROAD)



LEGEND:				
BORING	CKU-DSS		VST	
09-503	1249	○	-	○
09-408	1100	⌖	1425	⌖
09-100	985, 1060	×	-	

Title: TVA - Kingston RCA Comments: Slope Stability Analysis for Cell 2 Southwest Section Case 1
Method: Morgenstern-Price
Analysis Sluiced Ash Drained Condition
Block Specified Failure Surface



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SLOPE STABILITY ANALYSIS FOR CELL 2 SW SECTION CASE 1
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	1.5.4_1	

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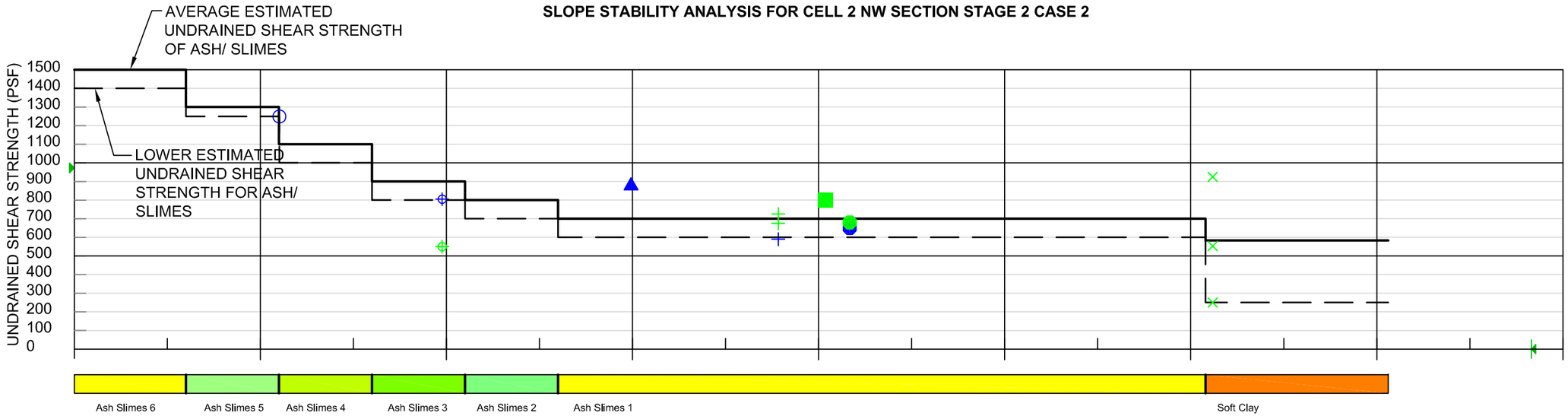
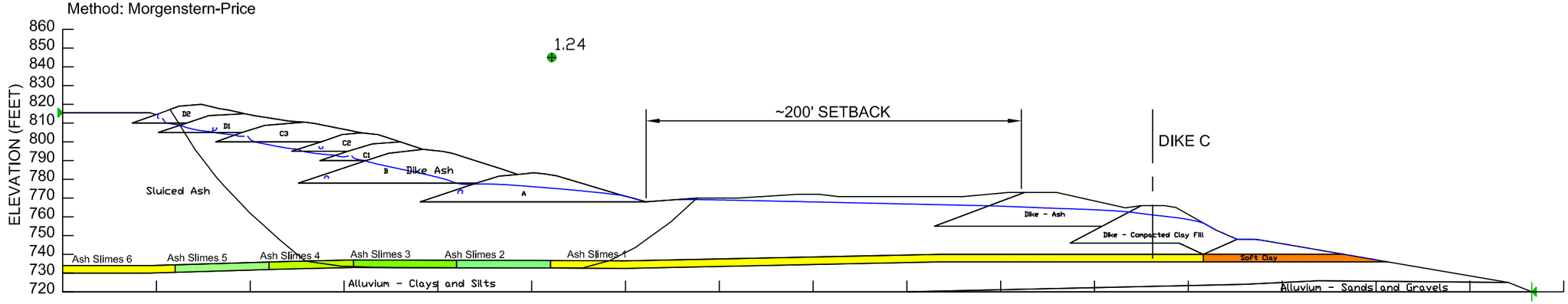
SLOPE STABILITY ANALYSIS FOR CELL 2 NW SECTION STAGE 2 CASE 2



LEGEND:			
BORING	CKU-DSS		VST
09-103	799, 684	▲	875
09-104	-	■	800
09-108	690	●	650
09-109	599	+	-
09-205	-	×	250, 575, 925
09-503	1249	○	-
09-605	805	⊕	550

Title: TVA - Kingston RCA
Comments: Slope Stability Analysis for Cell 2 Northwest Section Stage 2 Case 2
Method: Morgenstern-Price



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SLOPE STABILITY ANALYSIS FOR CELL 2 NW SECTION STAGE 2 CASE 2
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	1.5.4_2	

X:\PROJECTS\60095742\DWG\slope_stability-figs\Slope Stability Analysis for Cell 2 Northwest Section Stage 2 Case 2.dwg; 6/14/2009 3:32:26 PM; DEARMAN, DANIEL; STS.stb

CKUDSS Creep Test on Slimes

Creep Failure at 85% of G357 in G361

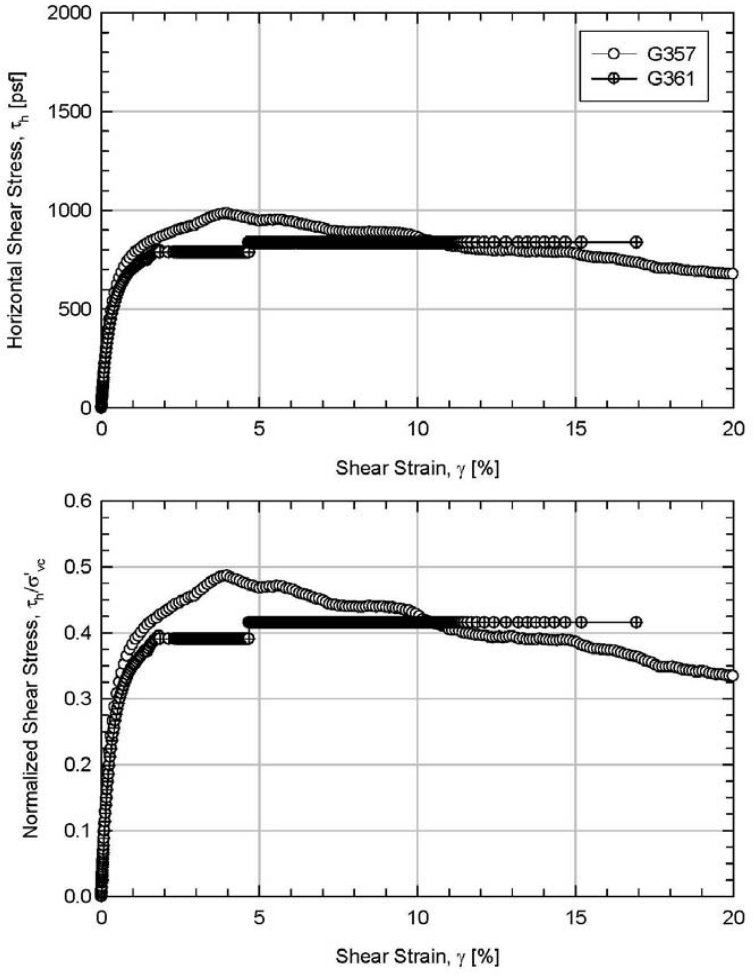

Figure 5.4.62 Horizontal shear stress and normalized shear stress versus shear strain for test DSS G357 and creep test G361 on sample 09-100B S6 35.5-38.0 ft

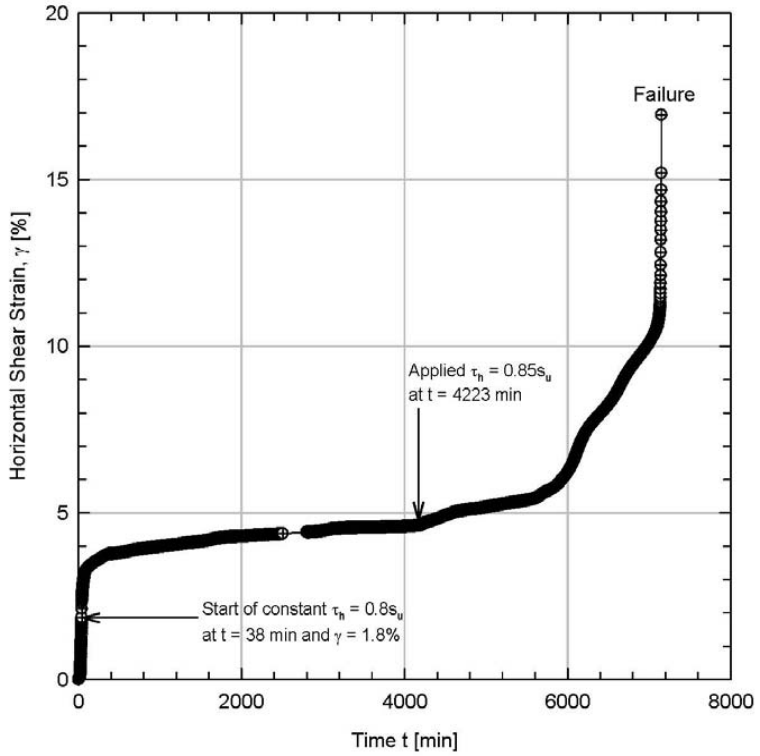

Figure 5.4.65 Horizontal shear strain versus time for DSS creep test G361 on sample 09-100B S6 35.5-38.0 ft