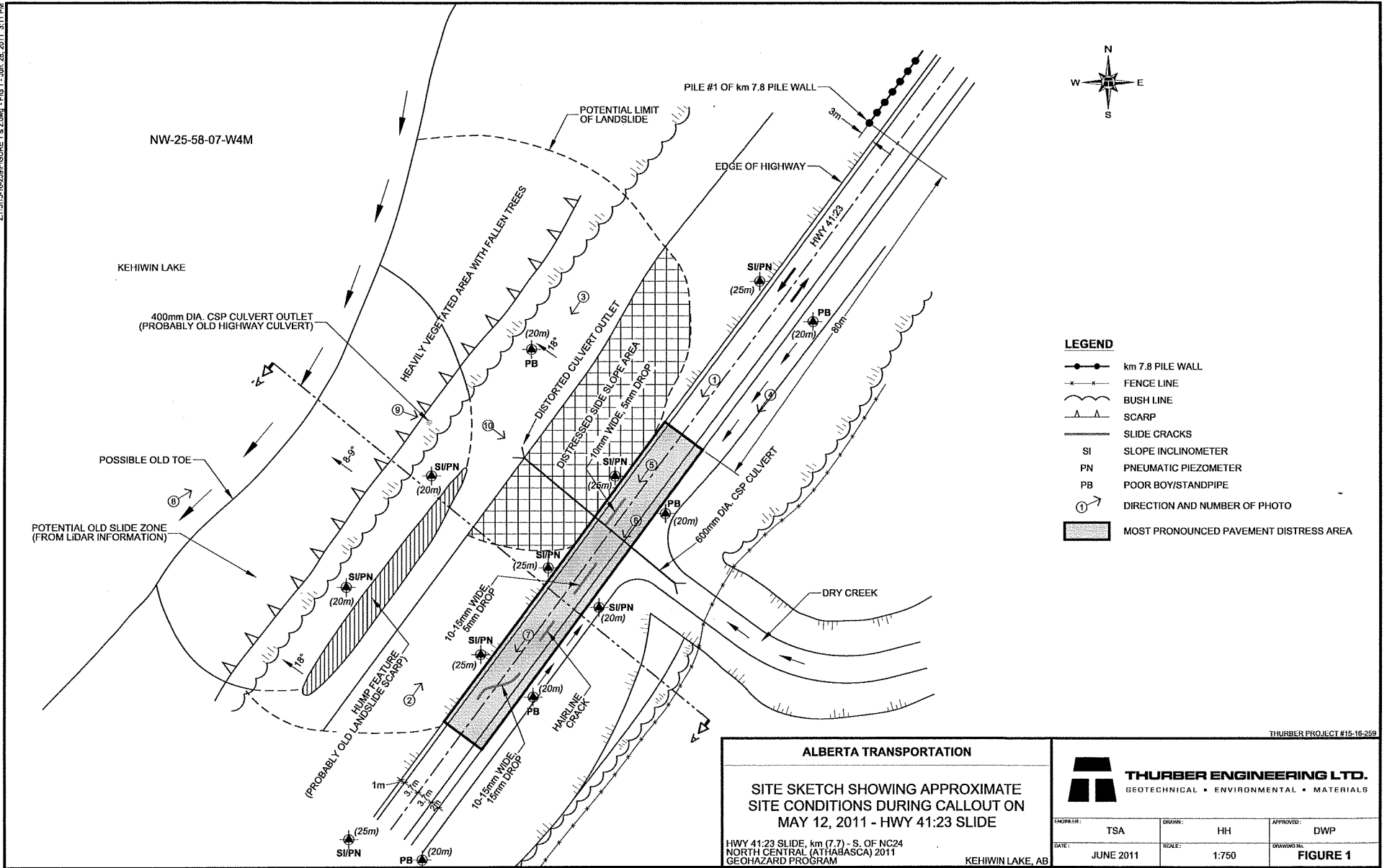


Z:\1515-16-259\FIGURE 1 & 2.dwg - FIG 1 - Jun. 28, 2011 3:11 PM



THURBER PROJECT #15-16-259

ALBERTA TRANSPORTATION

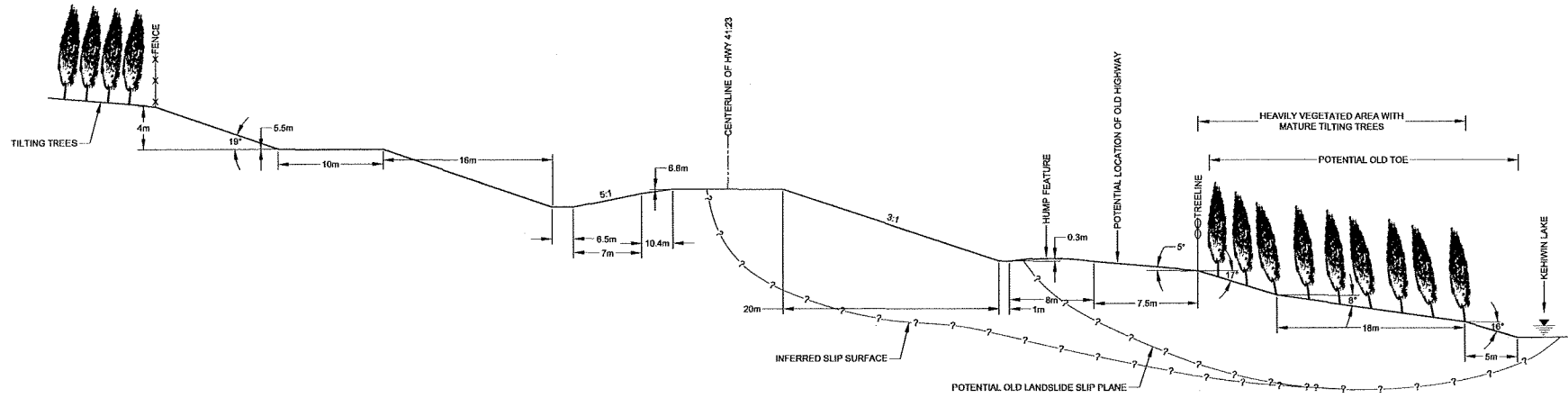
**SITE SKETCH SHOWING APPROXIMATE
SITE CONDITIONS DURING CALLOUT ON
MAY 12, 2011 - HWY 41:23 SLIDE**

HWY 41:23 SLIDE, km (7.7) - S. OF NC24
NORTH CENTRAL (ATHABASCA) 2011
GEOHAZARD PROGRAM

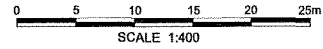
KEHIWIN LAKE, AB

THURBER ENGINEERING LTD.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS

DRAWN BY: TSA	DRAWN BY: HH	APPROVED BY: DWP	
DATE: JUNE 2011	SCALE: 1:750	DRAWING NO: FIGURE 1	



NOTE
 CROSS-SECTION A-A' IS BASED ON APPROXIMATE SIMPLE
 FIELD MEASUREMENTS AND MAY NOT REPRESENT THE
 ACTUAL PROFILE THROUGHOUT THE SLIDE AREA.




ALBERTA TRANSPORTATION

CROSS SECTION A-A'

HWY 41-23 SLIDE, km (7.7) - S. OF NC24
 NORTH CENTRAL (ATHABASCA) 2011
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THURBER PROJECT #15-16-259



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ENGINEER:	DRAWN:	APPROVED:	
TSA	HH	DWP	
DATE:	SCALE:	DRAWING No.	
JUNE 2011	1:400	FIGURE 2	

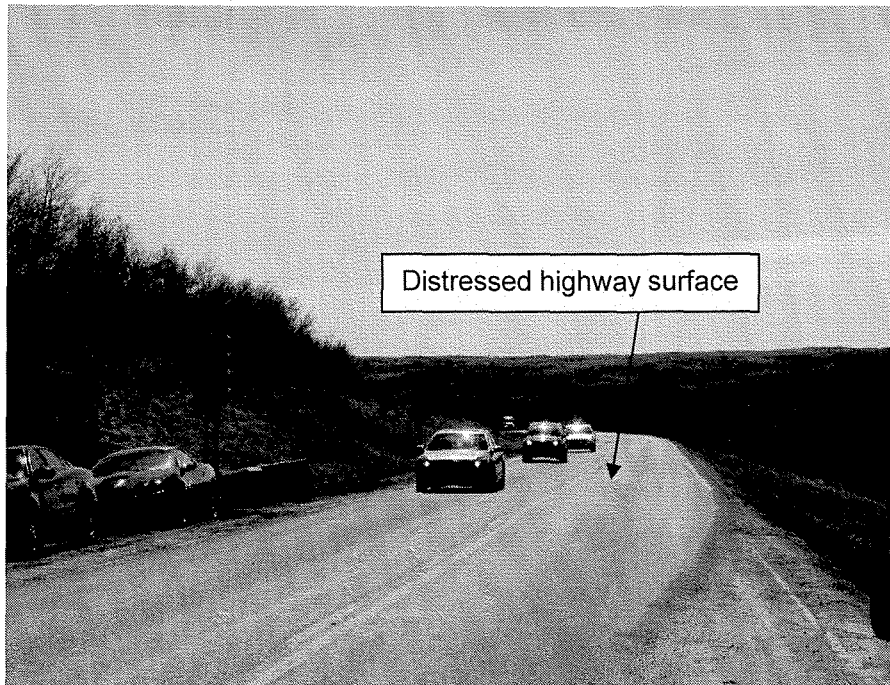


Photo 1 – General view of the highway at slide location (looking south) - Note the distress of the highway surface at the landslide location

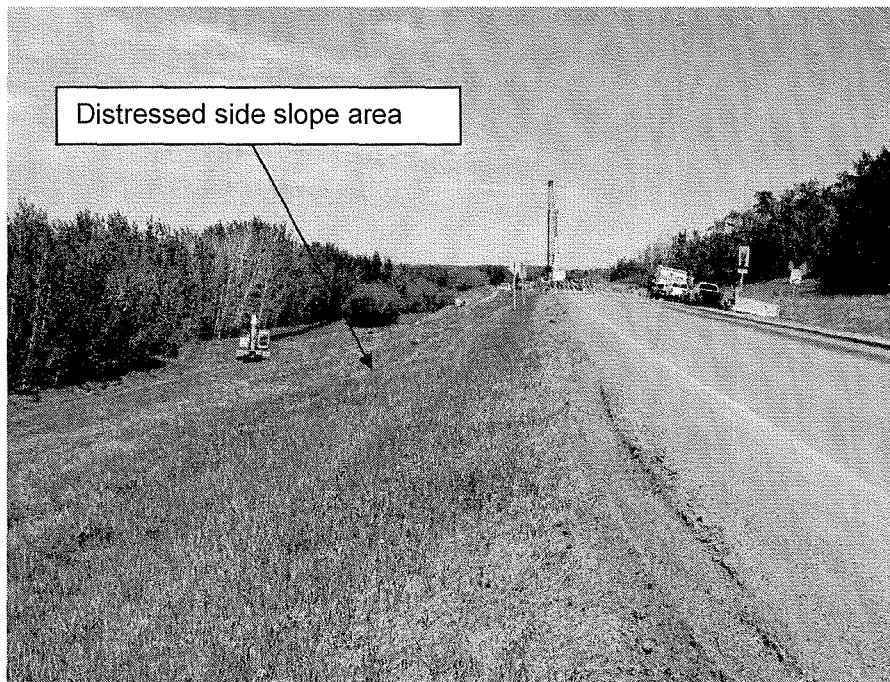


Photo 2 - Looking north at the highway west side slope

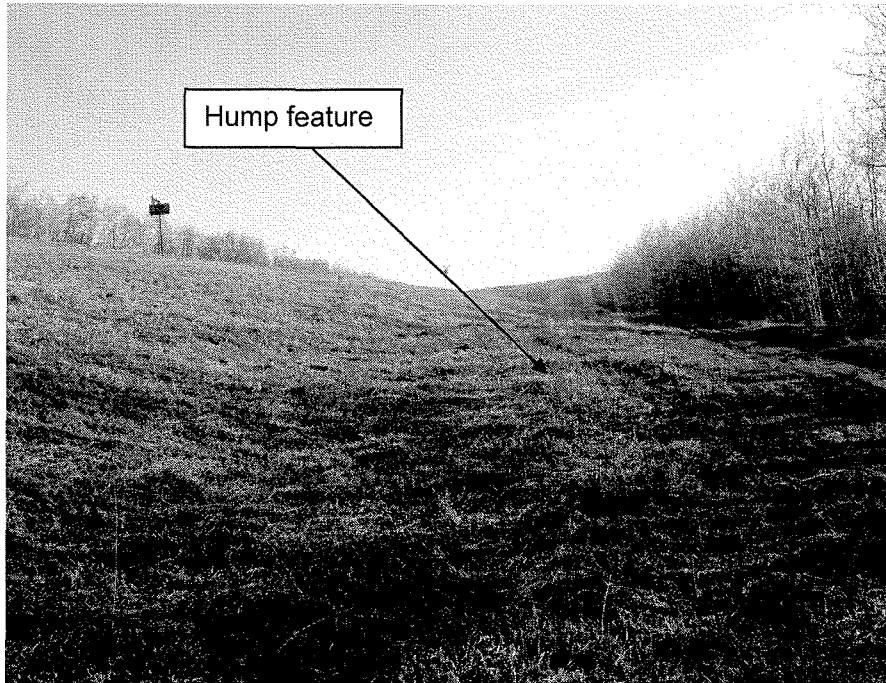


Photo 3 - Looking south at the hump feature from the bottom of the slope



Photo 4 - Looking south at the highway backslope and east side slope



Photo 5 - Looking south at a longitudinal crack along highway SBL surface



Photo 6- Looking south at a longitudinal crack along highway NBL surface



Photo 7 - Looking south at the southern diagonal crack of the slide



Photo 8- Looking north at the lake shore- Note the existence of tilting and fallen trees



Photo 9- Looking at the outlet of the old highway 400 mm diameter CSP culvert- Note the debris inside and in the vicinity of the culvert.



Photo 10- Looking at the outlet of the 600 mm diameter CSP culvert- The outlet is distorted and water is standing inside the culvert outlet