NORTH CENTRAL - ATHABASCA GEOHAZARD RISK ASSESSMENT SITE INSPECTION FORM





SITE NUMBER AND NAME:		H	HIGHWAY & KM		PREVIOUS			INSPECTION DATE:		
NC17C: Hwy 63 Backslope Slumps		,	Hwy 63:12 Km 11.3 to 11.6		INSPECTION DATE: July 17, 2007		July 8, 2008			
LEGAL DESCRIPTION:	UTM COORDINATES (NAD83):			RISK ASSESSMENT						
SW7-91-09-W4M	12	472593 E	6303916 N	PF:	1	CF:	10	TOTAL:	10	

SUMMARY OF SITE INSTRUMENTATION:	N/A	INSPECTED BY: Don Proudfoot(Thurber) Roger Skirrow (TRANS) Arthur Kavulok (TRANS) Ron Behr (TRANS)		
LAST READING DATE:	N/A			
PRIMARY SITE ISSUE:	Backslope slumps resulting from highway twinning were threatening the integrity of a major oil pipeline.			
APPROXIMATE DIMENSIONS:	The South Slump was 100 m long and the North Slump was 75 m long.			
DATE/TYPE OF ANY REMEDIAL ACTION:	installed and the back slopes were reconstructed retaining wall was constructed at the south slur	mps were sub-excavated, gravel shear keys and subdrains were d and the back slopes were reconstructed with gravel fill. A gabion g wall was constructed at the south slump to increase the toe load. The al measures were carried out in Jan. to March of 2007.		

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICEABLE CHANGE FROM LAST INSPECTION		
	YES	NO		YES	NO	
Pavement Distress		Х			X	
Slope Movement		Х			Х	
Erosion	X		Minor erosion along quad trails.	Х		
Seepage		Х			Х	
Culvert Distress		х			Х	

COMMENTS (Refer to Dwg. 15-16-216-17C)

The slide repairs appear to be working very well. There were no signs of instability at the slide repair locations. Quad traffic has created some ruts along which some shallow erosion has occurred but the degree of erosion does not currently warrant additional remedial measures to be carried out.

RECOMMENDATIONS

This site may be removed form the yearly geohazard assessment program. The MCI should periodically inspect the quad trails to determine whether any erosion repair or prevention measures are required.

Client: Alberta Transportation Date: December 3, 2008
File: 15-16-216 Page 1 of 5

e-file: 15-16-216 NC17c

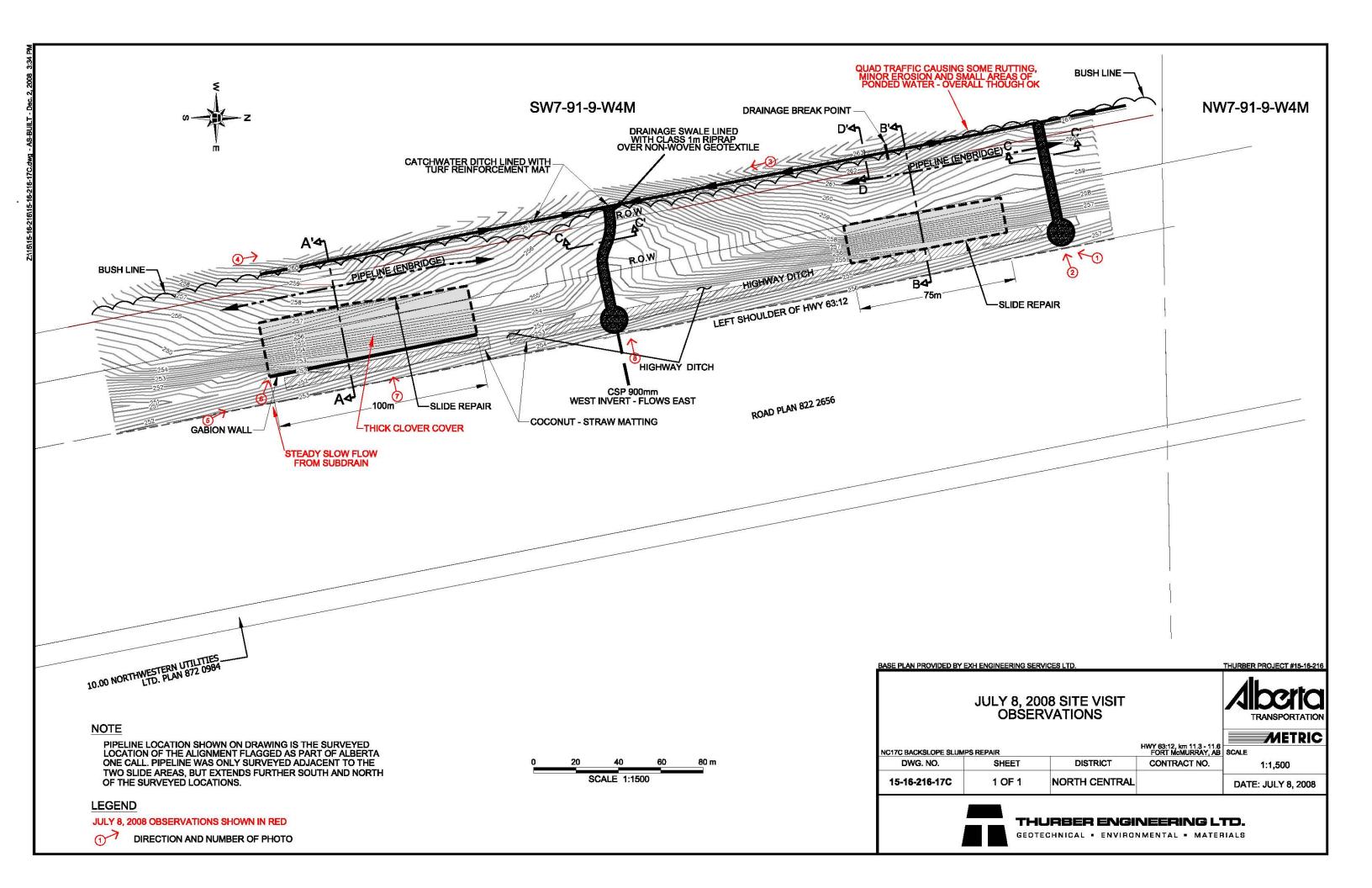




Photo 1 - North Slump, looking south (July 8, 2008).



Photo 2 - North swale (July 8, 2008).



Photo 3 - Catch water ditch, looking south (July 8, 2008).



Photo 4 - South end of the catch water ditch, looking north (June 8, 2008).



Photo 5 - Looking northwest at the South Slump repair (July 8, 2008).



Photo 6 - Seepage from the subdrain of the South Slump repair (July 8, 2008).



Photo 7 - Looking west at the South Slump repair (July 8, 2008).



Photo 8 - South swale (July 8, 2008).