GEOHAZARD ASSESSMENT PROGRAM

NORTH CENTRAL REGION – EDSON

2009 INSPECTION

Government of Alberta ■ Transportation

THURBER ENGINEERING LTD.
GEOTECHNICAL ▪ ENVIRONMENTAL ▪ MATERIALS

Site Number	Location	Name	Hwy	km
NC63	S. of Mayerthorpe, AB	South of Mayerthorpe	22:32	32.3
Legal Description		**UTM Co-ordinates**		
SW¼ 33-56-8 W5M		11U E 622123.7	N 5971086.9	

	Date	PF	CF	Total
Previous Inspection:	Jun. 10/08	1	3	3
Current Inspection:	Jun. 17/09	1	3	3
Road AADT:			**Year:**	
Inspected By:	Renato Clementino (Thurber)/Cliff Corner (AT)/Roger Skirrow (AT)/Neil Kjelland (AT)/Reg Faulkner (AT)			
Report Attachments:	☑ Photographs ☑ Plans ☐ Maintenance Items			

Primary Site Issue:	Sideslope slide probably due to weathering and loss of cohesion		
Dimensions:	About 25 m long		
Date of any remediation:	In August 2008 a driven steel H pile wall was installed.		
Maintenance:	N/A	**Worsened?**	
Observations:	**Description**	**Yes**	**No**
☑ Pavement Distress	Pavement was overlain in 2007 and is performing well.	☐	☑
☑ Slope Movement	No signs of movement were noticed	☐	☑
☐ Erosion		☐	☐
☐ Seepage		☐	☐
☑ Bridge/Culvert Distress	A small slump is retrogressing above the existing culvert inlet.	☑	☐
☐ Other		☐	☐

Instrumentation: Two standpipes

Assessment (Refer to Figure NC63)**:**

The remediation repair is performing well and no signs of pavement or sideslope distress were observed during this site visit. A faint arc shaped crack was noted on the pavement, however this crack was expected to occur until the pile wall reaches its final equilibrium position.

There is currently a small slump occurring above the existing culvert inlet that is retrogressing.

Recommendations:

This site may be discontinued from the program.

Consideration should be given to repair the culvert slump now while it is small and is relatively inexpensive to repair. The estimated cost to repair the slump is $ 5,000, which could consist of removing the failed soil, replacing it with well compacted medium plastic clay and readjusting the riprap protection at the inlet.

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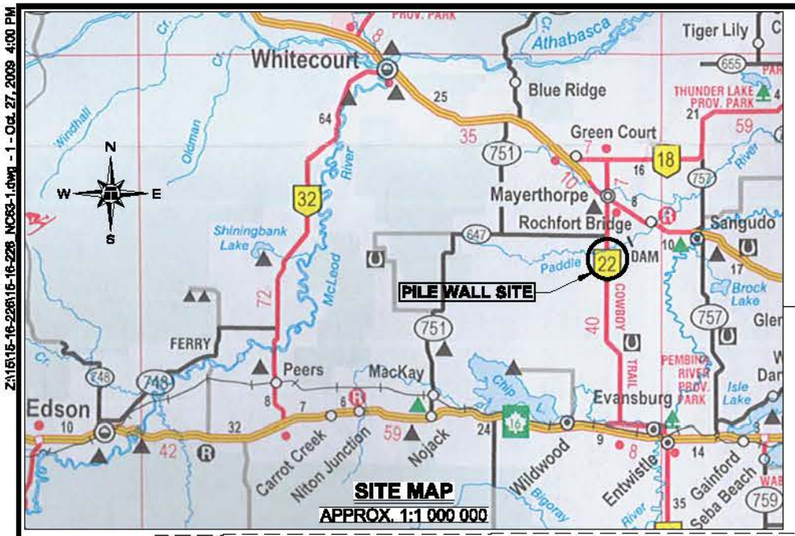
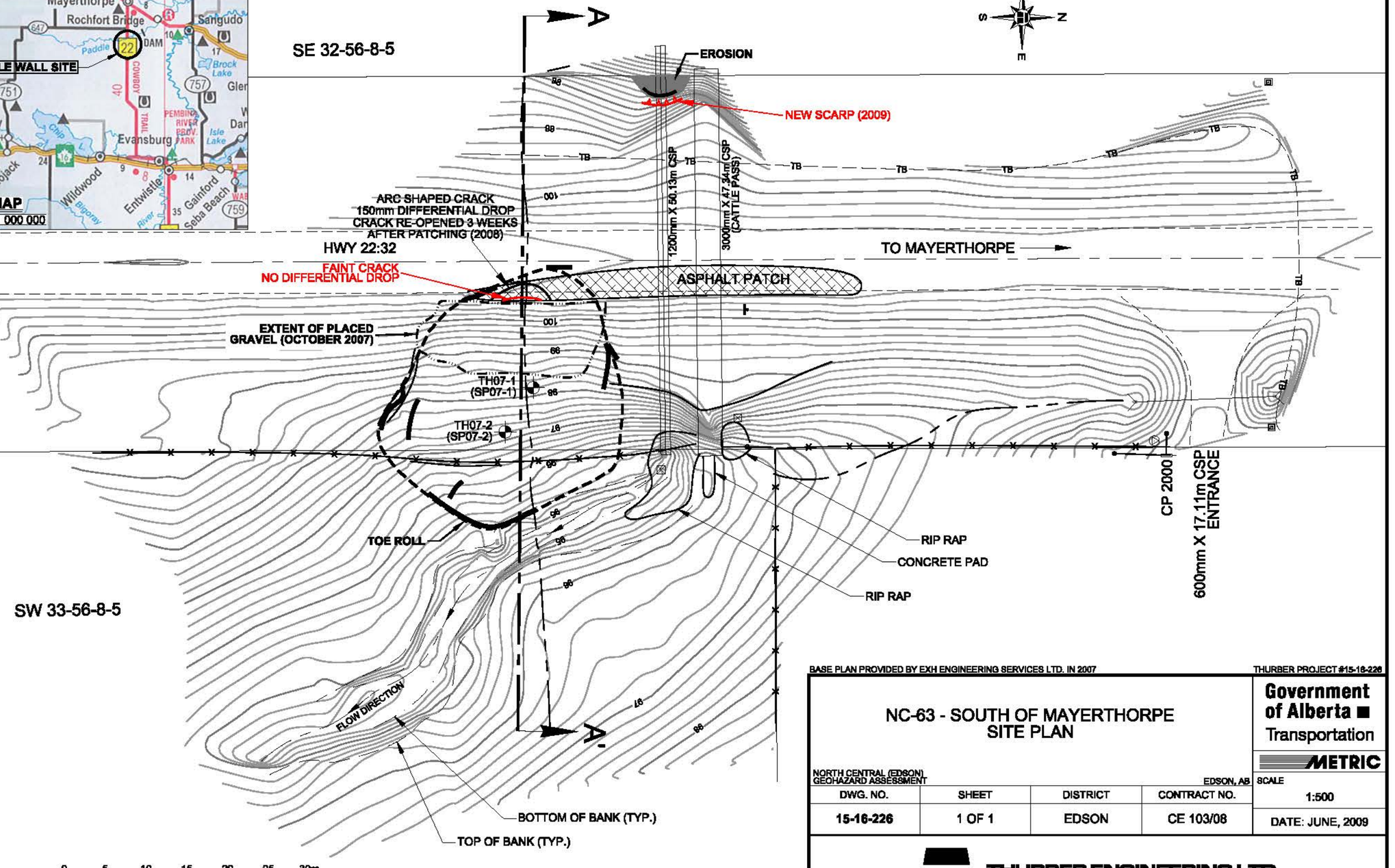


SITE MAP
APPROX. 1:1 000 000



LEGEND

- POWER POLE
- TELEPHONE PEDESTAL
- SIGN
- TB — BURRIED TELEPHONE CABLE
- HIGHWAY CENTRELINE
- SHOULDER
- BARB WIRE FENCE
- CRACKS
- SLIDE OUTLINE
- TEST HOLE LOCATION
- SP — STANDPIPE PIEZOMETER

JUNE, 2009 OBSERVATIONS SHOWN IN RED

0 5 10 15 20 25 30m
SCALE 1:500

BASE PLAN PROVIDED BY EXH ENGINEERING SERVICES LTD. IN 2007

THURBER PROJECT #15-16-226

NC-63 - SOUTH OF MAYERTHORPE SITE PLAN

Government of Alberta ■ Transportation

METRIC

NORTH CENTRAL (EDSON) GEOHAZARD ASSESSMENT — EDSON, AB

DWG. NO.	SHEET	DISTRICT	CONTRACT NO.	SCALE
15-16-226	1 OF 1	EDSON	CE 103/08	1:500
				DATE: JUNE, 2009

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FIGURE NC63

Site general view looking north.

Faint pavement crack with no differential drop.

Culvert inlet slump.