

GEOHAZARD ASSESSMENT PROGRAM

NORTH CENTRAL REGION – EDSON

2009 INSPECTION



Site Number	Location	Name	Hwy	km
NC30	Near Mayerthorpe, AB	Rochfort Bridge	43:18	9.5
Legal Description		UTM Co-ordinates		
NE¼ 05-57-7 W5M		11U E 631654.3	N 5974472.6	

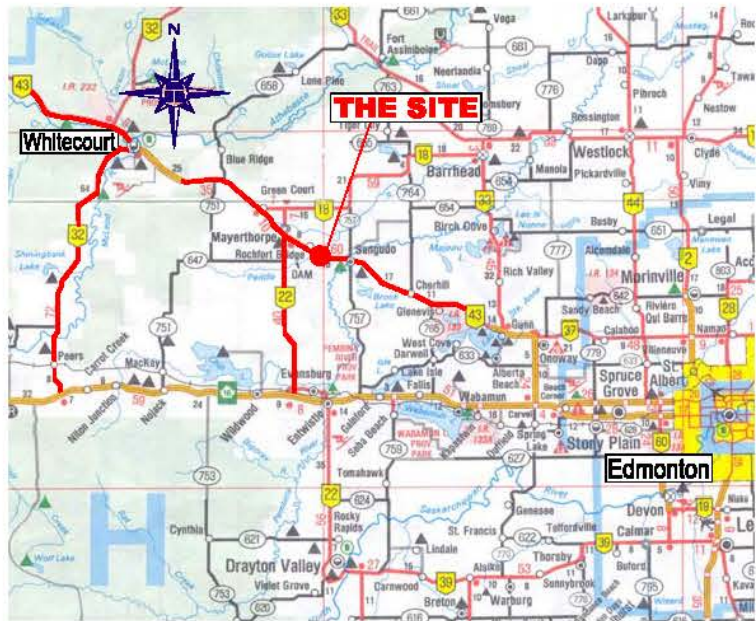
	Date	PF	CF	Total
Previous Inspection:	Jun. 10/08	1	3	3
Current Inspection:	Jun. 17/09	1	3	3
Road AADT:			Year:	
Inspected By:	Renato Clementino (Thurber)/Cliff Corner (AT)/Roger Skirrow (AT)/Neil Kjelland (AT)			
Report Attachments:	<input checked="" type="checkbox"/> Photographs <input checked="" type="checkbox"/> Plans <input type="checkbox"/> Maintenance Items			

Primary Site Issue:	Bearing capacity failure in weak muskeg foundation		
Dimensions:	About 125 m long		
Date of any remediation:	The site was remediated in the fall of 2007 (construction of at toe berm).		
Maintenance:	N/A		Worsened?
Observations:	Description	Yes	No
<input checked="" type="checkbox"/> Pavement Distress	Pavement has been overlain in 2007 and is performing well.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Slope Movement	No signs of movement were noticed	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Erosion		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Seepage		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Bridge/Culvert Distress		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other		<input type="checkbox"/>	<input type="checkbox"/>

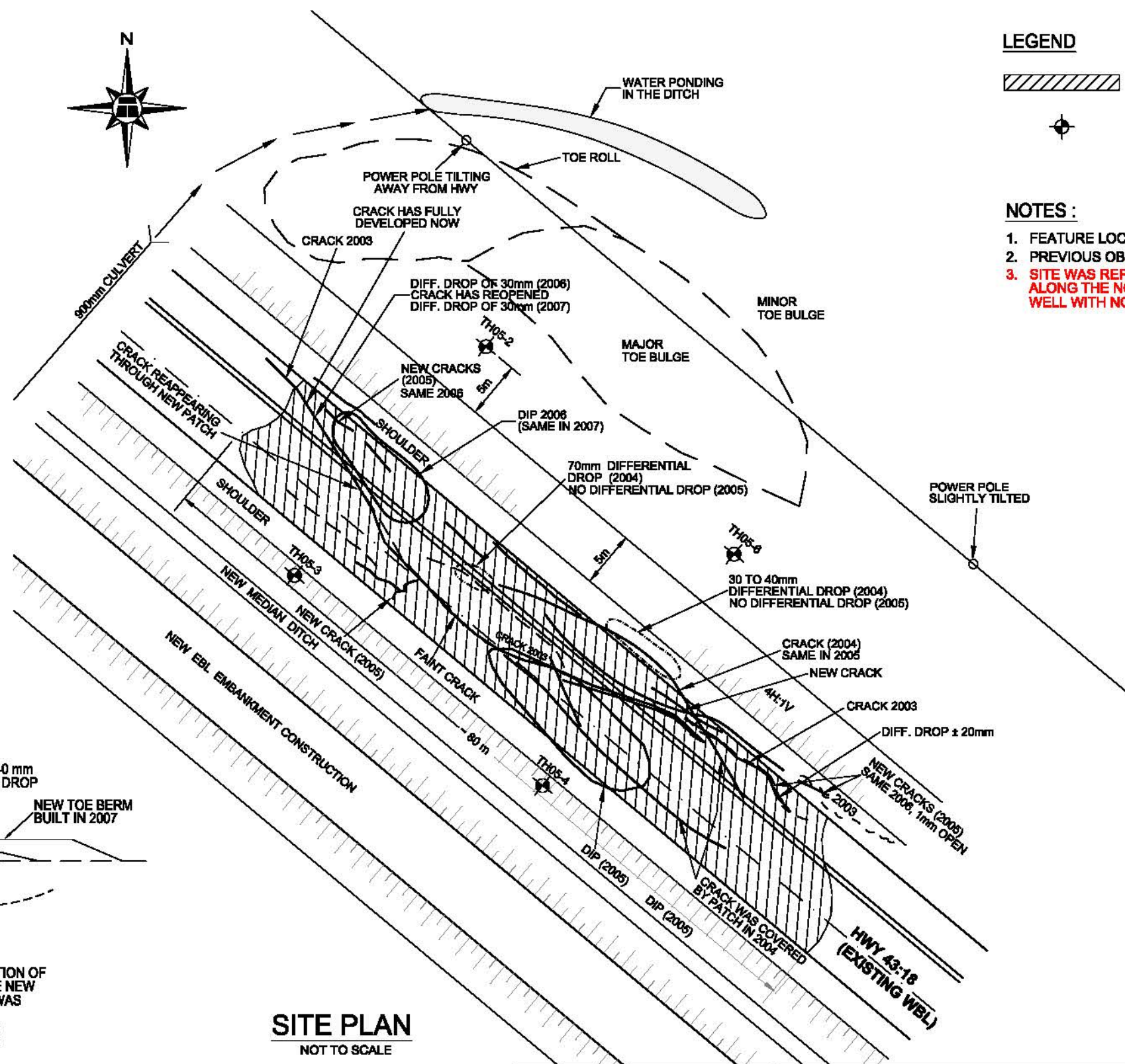
Instrumentation: Last reading was on October 5, 2007; of four standpipe piezometers installed only SP05-2 and 05-3 were operational. Water level was about 1.2 m below ground surface.

Assessment (Refer to Figure NC30-1):
The remediation repair is performing well and no signs of pavement or sideslope distress were observed during this site visit.

Recommendations:
This site may be discontinued from the program.



SITE MAP
NOT TO SCALE



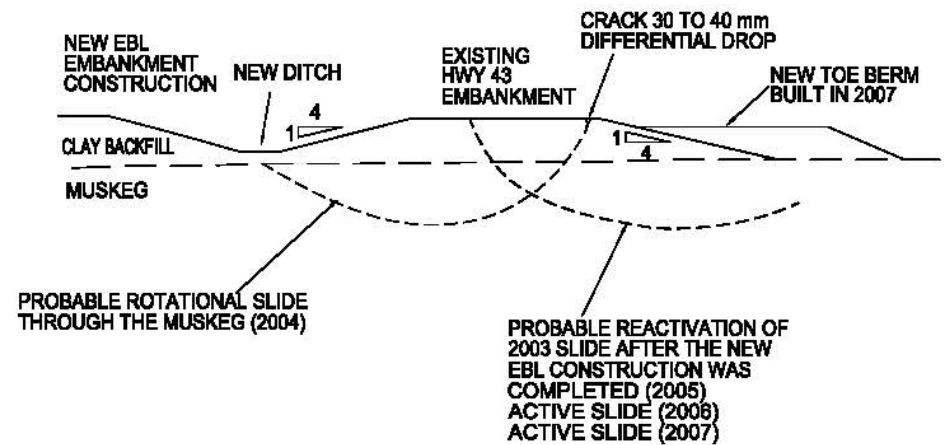
SITE PLAN
NOT TO SCALE

LEGEND

- REPATCHED (2006)**
- TEST HOLE / STANDPIPE PIEZOMETER INSTALLED UNDER A DIFFERENT ASSIGNMENT**

NOTES :

1. FEATURE LOCATIONS ARE APPROXIMATE.
2. PREVIOUS OBSERVATIONS SHOWN IN BLACK
3. **SITE WAS REPAIRED IN 2007 WITH A TOE BERM PLACED ALONG THE NORTHEAST SIDESLOPE. SITE IS PERFORMING WELL WITH NO PAVEMENT DISTRESS.**



CROSS-SECTION A-A'
NOT TO SCALE

THURBER PROJECT #15-16-226

ALBERTA TRANSPORTATION

SITE PLAN AND CROSS SECTION A-A'

NORTH CENTRAL (EDSON) 2009
GEOHAZARD ASSESSMENTS

HWY 43:18 - km 9.5
NE-05-57-7-W5M
ROCHFORD BRIDGE (COOPER'S FLATS), AB

THURBER ENGINEERING LTD.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS

ENGINEER: RVC	DRAWN: KLW	APPROVED: DWP
DATE: JUNE, 2009	SCALE: N.T.S.	DRAWING NO. FIGURE NC30-1



Northbound lane – No pavement distress.



Toe berm looking southeast.