

GEOHAZARD ASSESSMENT PROGRAM

PEACE RIVER / HIGH LEVEL AREA

2013 INSPECTION



Site Number	Location	Name	Hwy	km
PH56	North of Manning, AB	Meikle River (South of Bridge)	35:08	26.8 Approx.
Legal Description		UTM Co-ordinates		
NW 6-94-22-5		11V N 6332271	E 467352	

	Date	PF	CF	Total
Previous Inspection:	June 28, 2012	5	4	20
Current Inspection:	May 30, 2013	3	4	12
Road AADT:	1080	Year:		2012
Inspected By:	(Don Proudfoot and Harjeet Panesar, Thurber Engineering) (Rocky Wang, Ed Szmata and Erwin Kurz, Alberta Transportation)			
Report Attachments:	<input checked="" type="checkbox"/> Photographs <input checked="" type="checkbox"/> Plans <input type="checkbox"/> Maintenance Items			

Primary Site Issue:	Slope failure on highway side slope noted in 2008		
Dimensions:	See Figure PH56-1		
Date of any remediation:	The slope was remediated in 2011		
Maintenance:	Re-seeded in 2012. Constructed swale with new soil covering, installed July 2012.	Worsened?	
Observations:	Description	Yes	No
<input checked="" type="checkbox"/> Pavement Distress	Original backscarp in 2008 reached the highway shoulder causing guardrail to hang; since then there was retrogression into the highway due to water runoff eroding the exposed scarp surface. The slope and highway were remediated in 2011.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Slope Movement	No visible slope movement.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Erosion	Constructed swale on the east and west side of slope in July 2012.	<input type="checkbox"/>	<input checked="" 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:	None		

Assessment (Refer to Figure PH56-1):

The slope was remediated and re-constructed in 2011.

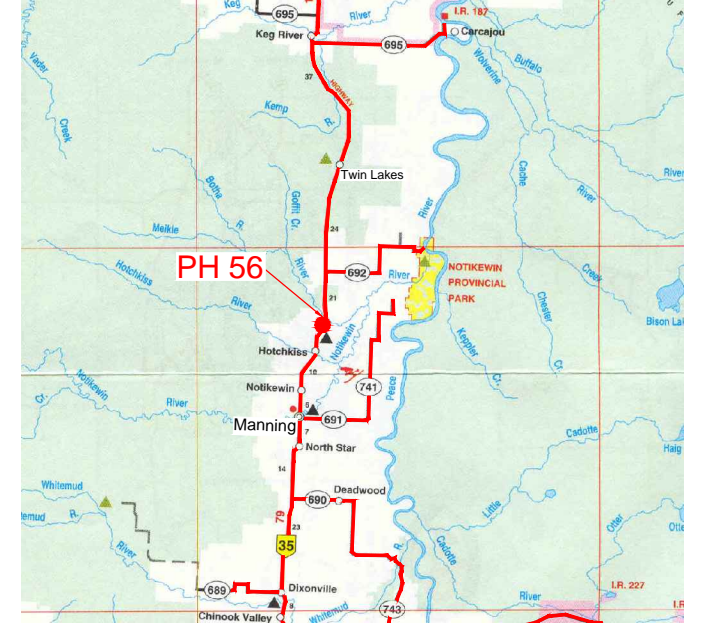
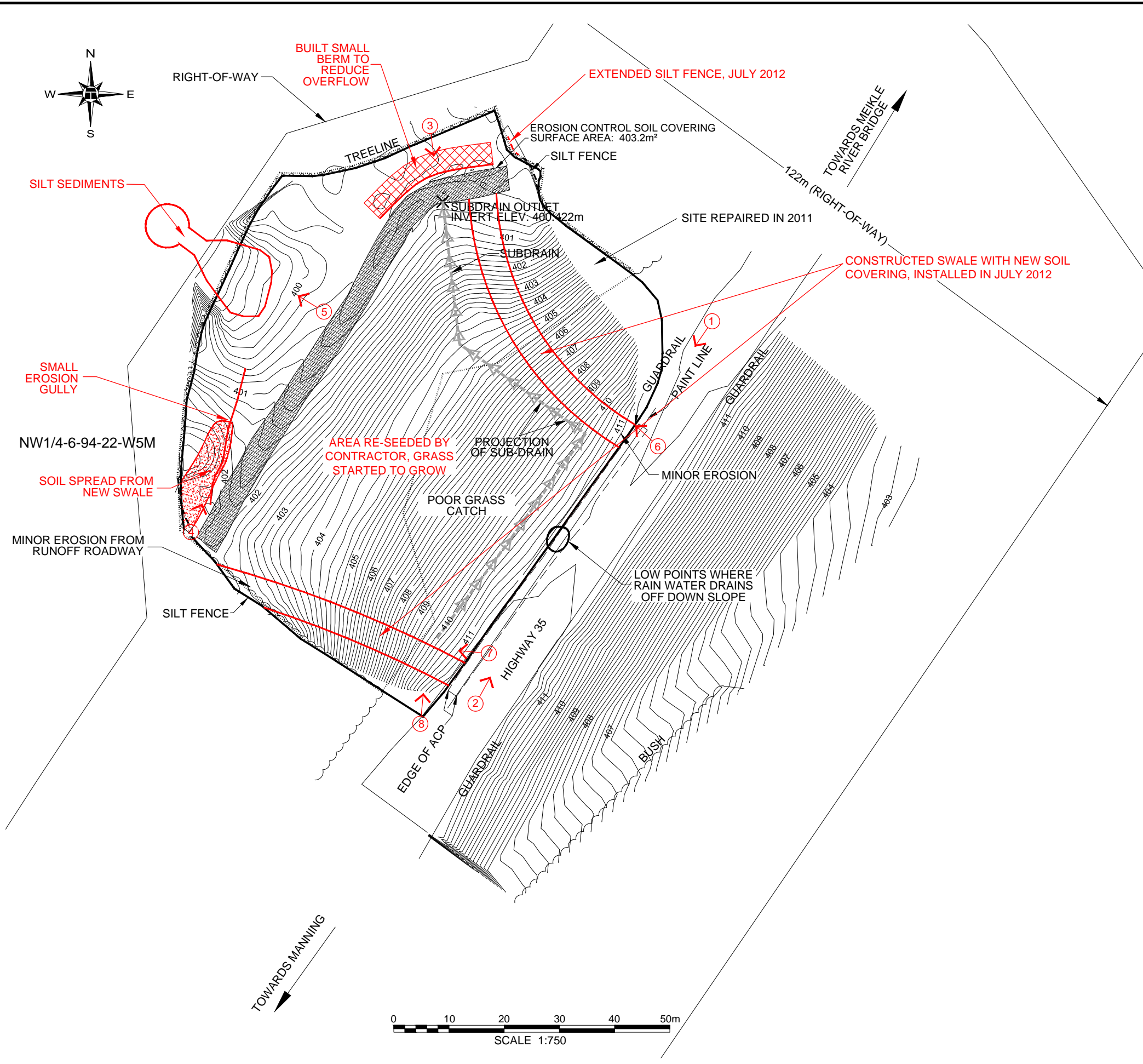
No signs of instability were visible in 2013. Drainage swale with new soil covering was constructed in July 2012 on either side of the slope. The slope was re-seeded in 2012 and the grass started to grow. Silt sediments were accumulated near the toe of the slope, mainly from the surface runoff coming from offsite.

Overall the slope appeared to be in a stable condition.

Recommendations:

This site could be removed from the inspection program.

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SITE MAP
NOT TO SCALE

NOTES :

1. FEATURE LOCATIONS ARE APPROXIMATE
2. PREVIOUS OBSERVATIONS SHOWN IN BLACK
3. MAY 2013 OBSERVATIONS SHOWN IN RED

LEGEND :

① → PHOTO AND DIRECTION



PEACE REGION (PEACE RIVER / HIGH LEVEL)

HWY 35:08 SOUTH OF MEIKLE RIVER

GEOHAZARD ASSESSMENTS

FIGURE PH56-1

DRAWN BY	ML
DESIGNED BY	HSP
APPROVED BY	DWP
SCALE	AS SHOWN
DATE	DECEMBER 2013
FILE No.	15-16-283





Photo 1 – Side slope and highway, looking southwest.



Photo 2 – Side slope and highway, looking northeast.



Photo 3 – Side slope and drainage swale, looking southeast.



Photo 4 – Erosion control soil covering at the toe of the slope, looking northeast.



Photo 5 – Silt sediments accumulated near the toe of the slope, looking northwest.



Photo 6 – Drainage swale on the east side of slope, looking northwest.



Photo 7 – Drainage swale on the west side of slope, looking northwest.



Photo 8 - Downslope view of remediated slope (grass started to grow), looking northeast.