

DIFFERENTIAL HEIGHT ACROSS CRACK: 3-5mm IN 2000 3-8mm IN 2003 JUST A FAINT CRACK RE-APPEARING ON THE NEW PATCH (2004) CRACK IS 10mm OPEN (2005) CRACK IS 25mm OPEN (2009) CRACK (2005) (SAME IN 2010) (SAME IN 2011) 25mm WIDE - 10mm DIFF. CRACK IS 30 mm WIDE (2008) CRACK IS 20 mm WIDE CRACK IS 10 mm OPEN CRACK HAS RE-OPENED WATER AT APPROX. 11.5m FROM GROUND SURFACE (2005) 5mm DIFF. (2008) 20mm WIDE -5mm DIFF. (2009) (SAME IN 2010) CRACK (SAME IN 2011) (SAME IN 2012) 10mm DIFF. (2008) 30mm WIDE - 20mm DIFF. (2009) **GUARD RAIL** (SAME IN 2010) (SAME IN 2011) 35mm WIDE - 30mm DIFF. SI97-1* SLIGHT DEPRESSION SAME IN 2007 SHOWING MORE IN 2008 SUBDUED SCARP (2004) NO CHANGE 2006 FAINT CRACKS SI97-4(AI) **SAME IN 2007** CRACK (2005) SLIGHT DIP 10-20mm (2009) (SAME IN 2010) (SAME IN 2011) RE-OPENED IN 2007 SP(AI) MORE VISIBLE SP06-17 15mm WIDE - NO DIFF. 20mm WIDE - 15mm DIFF. (2009) \$106-16 (SAME IN 2010) **HEAVILY TREED** NIDE - 25mm DIFF. AREA 1979 (LOCATION POWER POLE) AND POWER POLE) ASSUMEDINS SP97-2 EXISTING COLLECTION WELL (CSP) #2 LESS WATER DRIPPING THAN IN 2002 1985 HORIZONTAL DRAINS 4m DEEP 2m OF WATER (NUMBER AND EXTENT METAL COVER WATER DRIPPING (2004) SEEPAGE AROUND COVER (2011) SAME IN 2012 FIVE 38mm Ø PLASTIC DRAINS WERE OBSERVED PROTRUDING FROM THE MANHOLE WALL UNKNOWN) SI97-3 -MINOR SEEPAGE (2001, MANHOLE \emptyset = 600mm AND 5m DEEP **SPRING** (1997) 2002 AND 2003) WATER WAS AT 2.35m FROM THE BOTTOM WATER DRIPPING (2006) WATER AT BOTTOM OF WELL (2008) WATER AT BOTTOM OF WELL (2009) SCARP OF SLUMP ASPHALT THICKNESS (NEW IN 2001) APPROXIMATE 440mm MINOR SEEPAGE (2001, 2002 AND 2003) DRY (2010) (SAME IN 2011) UNEVEN GROUND WITH SOME BULGING AND SCARP DEVELOPMENT TREE LEANING (NOT WELL DEFINED) SOME LEANING TREES PREVIOUS HOUSE LOCATION (REMOVED) **LEGEND** SI - SLOPE INCLINOMETER SP - STANDPIPE PIEZOMETER GPS COORDINATES (UTM-NAD83) MANHOLE NUMBER NORTHING **EASTING**

MH #1

MH #2

METAL COVER

6023351

6023367

6023374

644914

644730

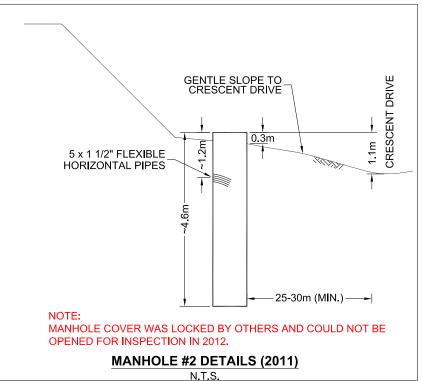
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NOTES:

- 1. FEATURE LOCATIONS ARE APPROXIMATE.
- 2. PREVIOUS OBSERVATIONS SHOWN IN BLACK
- 3. PREVIOUS CRACK PATTERN WAS COVERED BY NEW (2004) ASPHALT PATCH
- 4. JUNE 11, 2012 OBSERVATIONS ARE SHOWN IN RED



PHOTOGRAPH NUMBER, AND APPROXIMATE DIRECTION AND LOCATION (JUNE 11, 2012)





NORTH CENTRAL REGION (ATHABASCA AREA) - 2012 GEOHAZARD ASSESSMENT

NC14: HWY 661: 02 FORT ASSINIBOINE (km 1.8) SITE PLAN SHOWING MID-HILL SLIDE AREA

FIGURE NC14-2

DRAWN BY	ML
DESIGNED BY	TSA
APPROVED BY	DWP
SCALE	N. T. S.
DATE	NOVEMBER 2012
FILE No.	15-16-275

