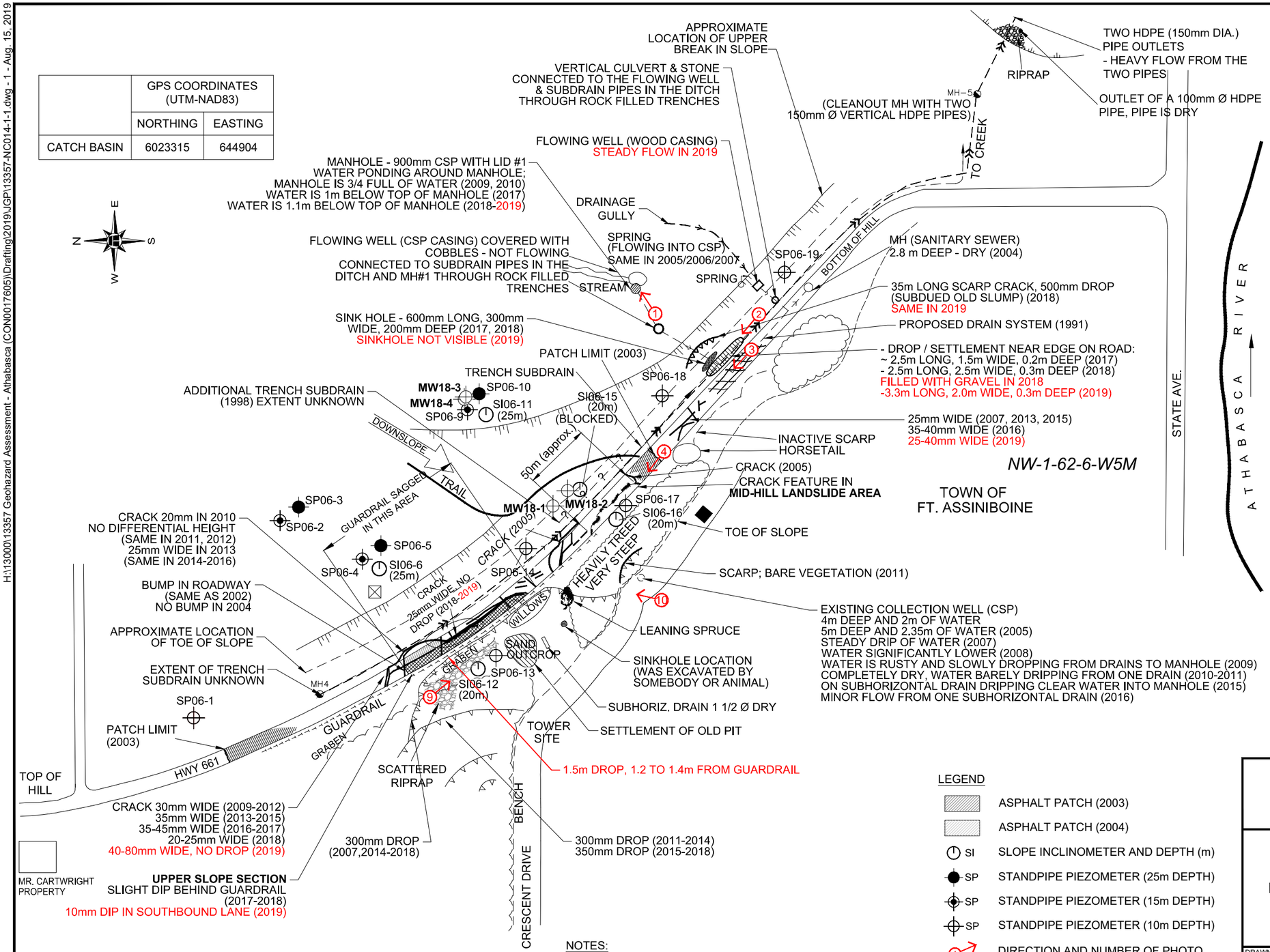
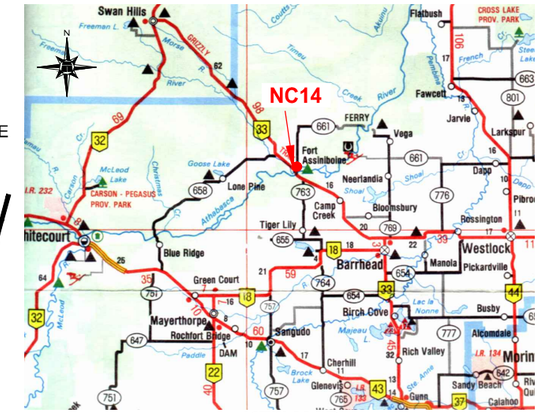
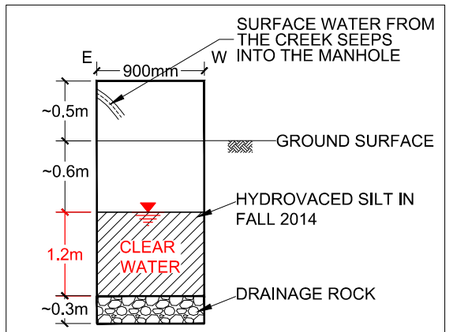
H:\13000\13357 Geohazard Assessment - Athabasca (CON0017605)\Drafting\2019\JGP\13357-NC014-1-1.dwg - 1 - Aug. 15, 2019

	GPS COORDINATES (UTM-NAD83)	
	NORTHING	EASTING
CATCH BASIN	6023315	644904





KEY MAP
N.T.S



NOTE:
THE MANHOLE WAS DESIGNED BY OTHERS TO COLLECT SURFACE WATER FROM EXISTING GULLY. SUBHORIZONTAL SUBDRAINS WERE NOT FOUND DURING THE FALL 2014 INSPECTION.

MANHOLE #1 DETAILS (2014)
N.T.S.

0 25 50 75 100 150 200 m
SCALE APPROX 1:3000

LEGEND

- ASPHALT PATCH (2003)
- ASPHALT PATCH (2004)
- SI — SLOPE INCLINOMETER AND DEPTH (m)
- SP — STANDPIPE PIEZOMETER (25m DEPTH)
- SP — STANDPIPE PIEZOMETER (15m DEPTH)
- SP — STANDPIPE PIEZOMETER (10m DEPTH)
- DIRECTION AND NUMBER OF PHOTO
- WEATHER STATION
- CATCH BASIN
- SUBDRAIN PIPES

NOTES:
1. FEATURE LOCATIONS ARE APPROXIMATE
2. PREVIOUS OBSERVATIONS SHOWN IN BLACK
3. THREE LEVEL LOGGERS WERE INSTALLED IN SP06-2, SP06-3, AND SP06-13 AND TWO VIBRATING WIRE PIEZOMETERS WERE INSTALLED IN SP06-4 AND SP06-5.
4. JUNE 10, 2019 OBSERVATIONS ARE SHOWN IN RED

Alberta

NORTH CENTRAL REGION (ATHABASCA AREA)
2019 GEOHAZARD ASSESSMENT

NC014-1: HWY 661:02 FORT ASSINIBOINE (km 1.8)
SITE PLAN SHOWING EXISTING FEATURES

DWG NO. NC014-1-1

DRAWN BY	ML
DESIGNED BY	JGP
APPROVED BY	TSA
SCALE	AS SHOWN
DATE	JUNE 2019
FILE No.	13357

THURBER ENGINEERING LTD.

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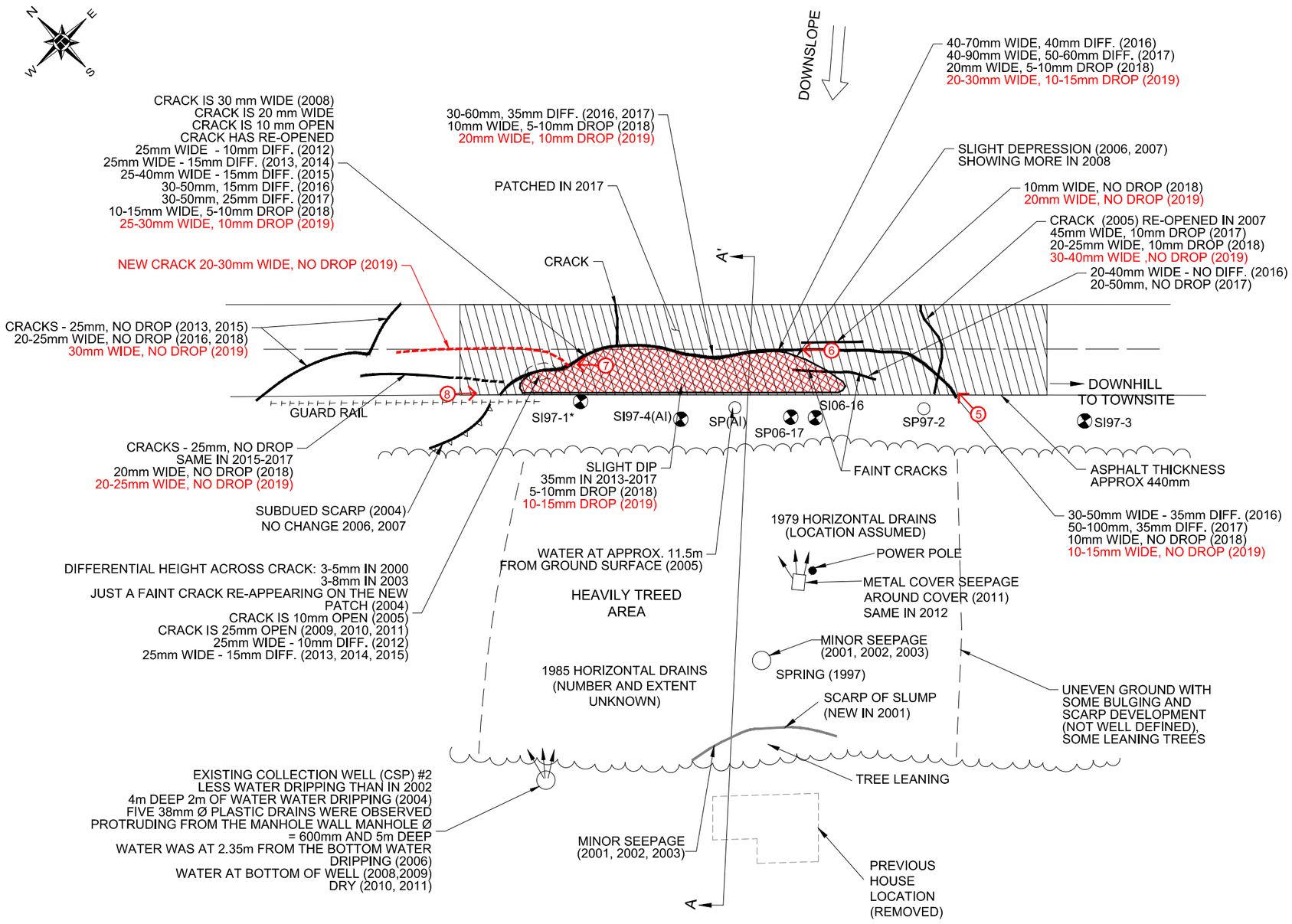

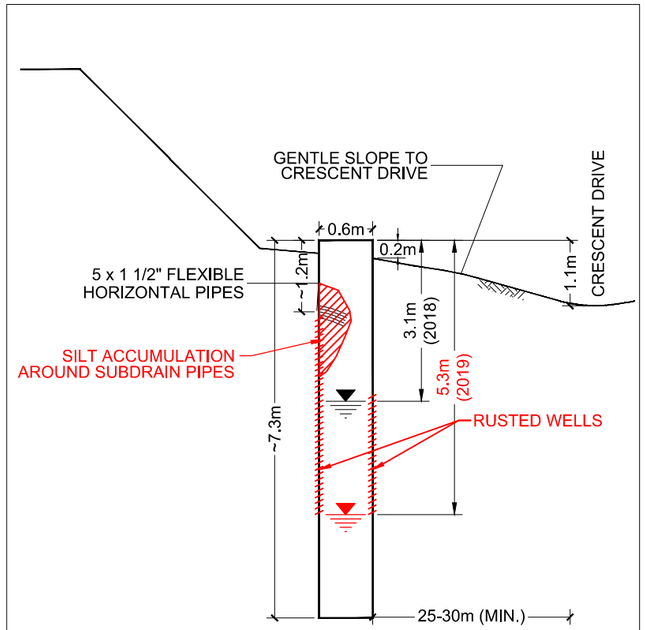

NOTES:

1. MH #2 HAS NO OUTFLOW PIPE - WATER IS LIKELY PERCOLATING INTO GROUND (2015)
2. MINOR FLOW FROM ONE OF SUBHORIZONTAL DRAINS IN 2016
3. ONE OF THE SUBHORIZONTAL DRAINS IS DRIPPING WATER
4. ONE OF THE DRAINS IS FLOWING. MORE WATER NOTED IN 2018
5. STEADY FLOW FROM ONE OF THE DRAINS; HEAVIEST FLOW SINCE OBSERVED

MANHOLE #2 DETAILS (2014)

N.T.S.

LEGEND

SI — SI - SLOPE INCLINOMETER

SP — SP - STANDPIPE PIEZOMETER

(1) — DIRECTION AND NUMBER OF PHOTO

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 10, 2019 OBSERVATIONS ARE SHOWN IN RED

	GPS COORDINATES (UTM-NAD83)	
MANHOLE NUMBER	NORTHING	EASTING
MH #1	6023351	644914
MH #2	6023367	644730
METAL COVER	6023374	644771

Alberta

NORTH CENTRAL REGION (ATHABASCA AREA)
2019 GEOHAZARD ASSESSMENT

NC014-1: HWY 661: 02 FORT ASSINIBOINE (km 1.8)
SITE PLAN SHOWING MID-HILL LANDSLIDE AREA

DWG NO. NC014-1-2

DRAWN BY	ML
DESIGNED BY	JGP
APPROVED BY	TSA
SCALE	N. T. S.
DATE	JUNE 2019
FILE No.	13357

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