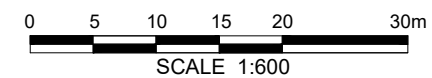


LEGEND

- SI LOCATION (2015)
- INSTRUMENT NOT IN USE
- STANDPIPE PIEZOMETER
- TEST HOLE
- VIBRATING WIRE PIEZOMETER
- SLOPE INCLINOMETER
- APPROXIMATE DIRECTION OF MOVEMENT IN SLOPE INCLINOMETER
- BOUNDARY OF LIDAR USED TO EXTEND GROUND ELEVATION CONTOURS BEYOND SURVEY LIMITS
- 561.5158+ ELEVATION OF GASLINE AT HYDROVAC POINT
GAS LINE ALIGNMENT SURVEYED BY ARA SEPTEMBER 2015
- LANDSLIDE CRACK
- OVERHEAD POWERLINE (APPROX.)
- UNDERGROUND PIPELINE (APPROX.)
- UNDERGROUND COMMUNICATION LINE (APPROX.)
- HIGH TENSION CABLE BARRIER
- TELUS PEDESTAL (APPROX.)
- POWER POLE LOCATION
- TREELINE (APPROX.)



SURVEYED BY ARA ENGINEERING (2016, 19-2831-49)



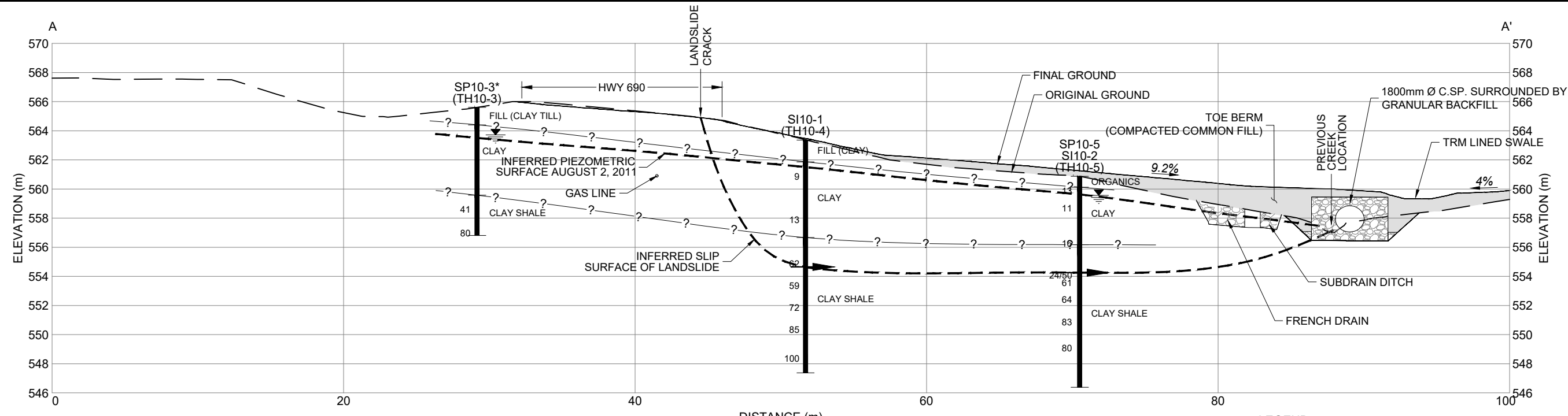
PEACE REGION (PEACE RIVER / HIGH LEVEL)

**PH047: HWY 690:02 DEADWOOD SLIDE
GEOHAZARD ASSESSMENTS**

DWG No. 13351-PH047-1-1

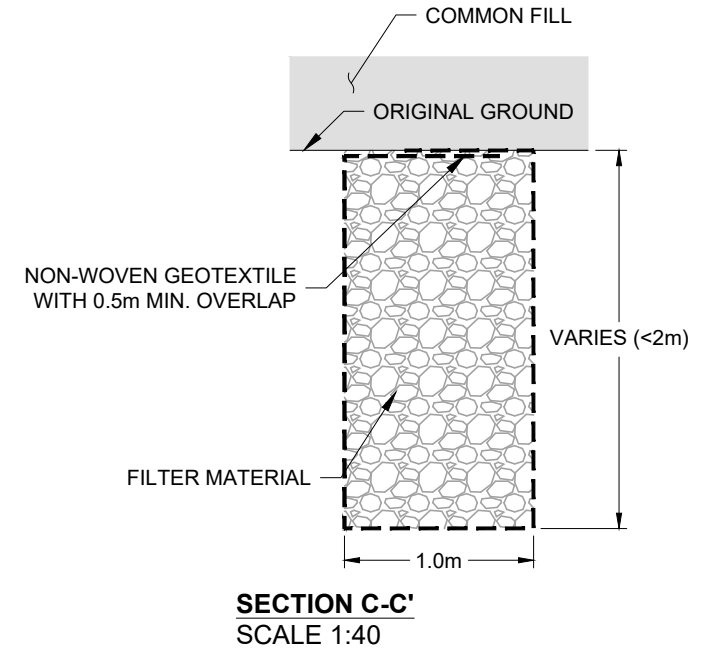
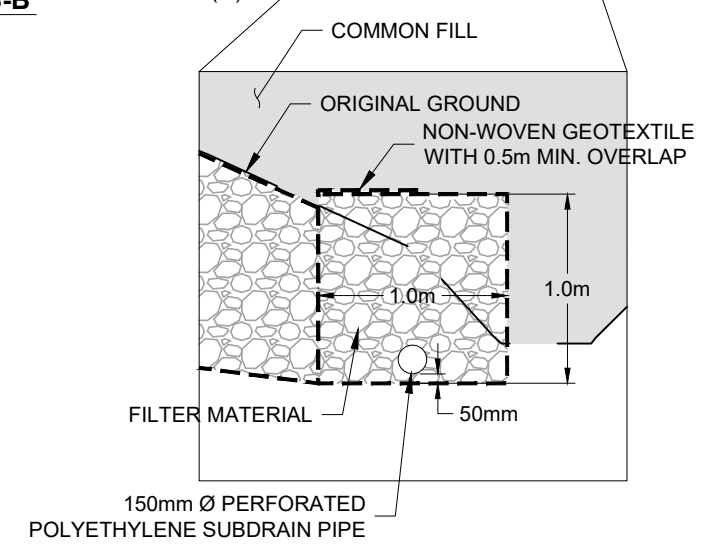
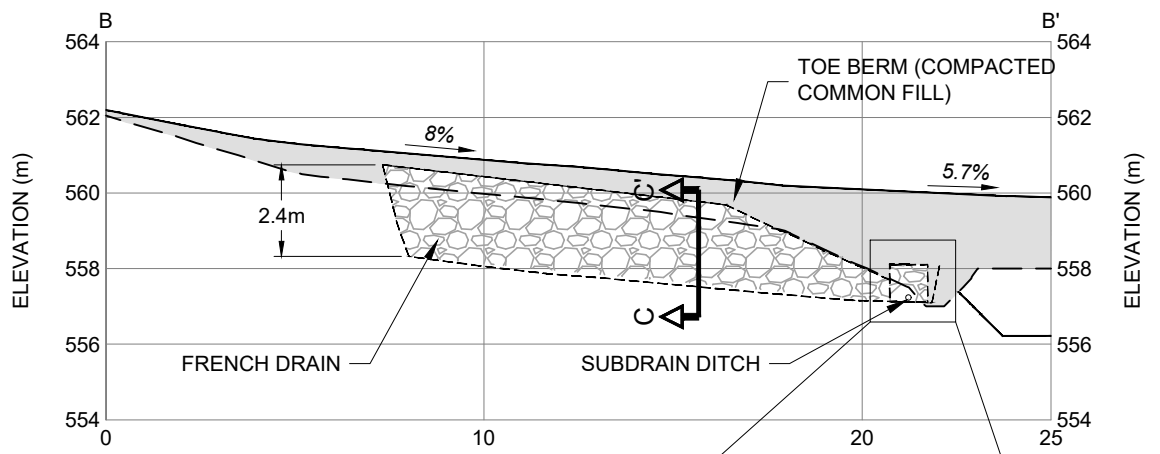
DRAWN BY	KLW
DESIGNED BY	KEF
APPROVED BY	DWP
SCALE	1:600
DATE	DECEMBER 2017
FILE No.	13351





- LEGEND**
- SPT N VALUE
 - WATER LEVEL IN PIEZOMETER: WATER LEVELS TAKEN BY THURBER IN SP10-5 ON JUNE 2, 2014 AND IN SP10-3 ON OCTOBER 1, 2012
 - SP STANDPIPE PIEZOMETER
 - TH TEST HOLE
 - VW VIBRATING WIRE PIEZOMETER
 - SI SLOPE INCLINOMETER
 - DEPTH OF MOVEMENT IN SLOPE INCLINOMETER

- NOTES**
- DATA CONCERNING THE VARIOUS STRATA HAVE BEEN OBTAINED AT THE TEST HOLE LOCATIONS ONLY. THE SOIL STRATIGRAPHY BETWEEN TEST HOLES HAS BEEN INFERRED FROM GEOLOGICAL EVIDENCE AND SO MAY VARY FROM THAT SHOWN.
 - ORIGINAL TOPOGRAPHIC DATA TAKEN FROM BASE PLAN PROVIDED BY HOGGAN ENGINEERING & TESTING LTD. (2011).



SURVEYED BY ARA ENGINEERING (2016, 19-2831-49)

PEACE REGION (PEACE RIVER / HIGH LEVEL)

PH047: HWY 690:02 DEADWOOD SLIDE GEOHAZARD ASSESSMENTS

DWG No. 13351-PH047-1-2

DRAWN BY	KLV
DESIGNED BY	KEF
APPROVED BY	DWP
SCALE	AS SHOWN
DATE	DECEMBER 2017
FILE No.	13351

THURBER ENGINEERING LTD.