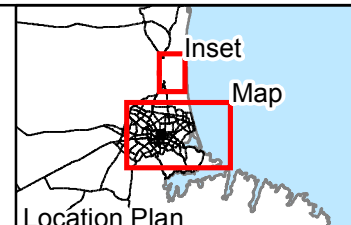
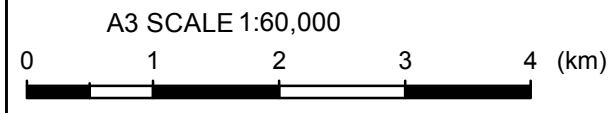


LEGEND

| LSN | | Ground Surface Observations after Feb 2011 | |
|-----------|--|--|--|
| ● 0 - 10 | ■ No observed ground cracking or ejected liquefied material | ■ No observed ground cracking or ejected liquefied material | |
| ● 10 - 20 | ■ Minor ground cracking but no observed ejected liquefied material | ■ Minor ground cracking but no observed ejected liquefied material | |
| ● 20 - 30 | ■ No lateral spreading but minor to moderate quantities of ejected material. | ■ No lateral spreading but minor to moderate quantities of ejected material. | |
| ● 30 - 40 | ■ No lateral spreading but large quantities of ejected material | ■ No lateral spreading but large quantities of ejected material | |
| ● 40 - 50 | ■ Moderate to major lateral spreading; ejected material often observed | ■ Moderate to major lateral spreading; ejected material often observed | |
| ● 50 - 60 | ■ Severe lateral spreading; ejected material often observed | ■ Severe lateral spreading; ejected material often observed | |
| ● 60+ | | | |

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| | | |
|----------------------------------|-----|--------|
| DRAWN | CXP | Feb.13 |
| CHECKED | | |
| APPROVED | | |
| ARCFILE 52020-0200-LSN113 | | |
| SCALE (AT A3 SIZE) 1:60,000 | | |
| Prepared by Tonkin & Taylor Ltd. | | |
| Ref: 52020.0200 | | |

EARTHQUAKE COMMISSION
CHRISTCHURCH CITY & KAIAPOI
 LSN, February 2011
 (Using UoC PGA)

Date: 27/02/2013 Time: 12:11:23 p.m.