Appendix C Fault deformation overlay plans

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NOTES:

This should be read in conjunction with the T+TI Geotechnical Assessment, dated November 2026, which outlines limitations and residual uncertainties of the overlay.

Figures that do not contain the fault deformation overlay have been excluded.

Fault deformation overlay - extends at least 20 m either side of the mapped or inferred fault trace. Where a visible escarpment is present, the overlay is extended to the crest of the escarpment to account for the possibility that the true fault trace lies mid-scarp rather than at the mapped base.

Fig. C1

Fig. C2

Fig. C3

Fig. C4

Fig. C5

Fig. C6

Fig. C7

LEGEND

- Study area
- Fault deformation overlay (20 m setback and up to crest escarpment)

LiDAR-based fault trace mapping (Kerr et al., 2003)

- Well defined fault trace
- Well defined extended fault trace

A3 SCALE 1:15,000

0 100 200 300 400 500 m

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NOTES:
1. Basemap World Imagery: Vantor. World Imagery: Earthstar Geographics. Kahuto Pacific aerial imagery used within study area
2. Coordinates: UTM59S. Reduced Levels: MSL.
3. Contours have been generated using the 2025 Kahuto Pacific LiDAR Survey.

REV	DESCRIPTION	GIS	CHK	DATE
0	First version	REOL	CRB	19/06/26

LOCATION PLAN

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TITLE PORT VILA CBD FAULT DEFORMATION OVERLAY OVERVIEW PLAN

SCALE (A3) 1:15,000 FIG No. FIGURE C0 REV 0

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NOTES:

This should be read in conjunction with the T+TI Geotechnical Assessment, dated November 2026, which outlines limitations and residual uncertainties of the overlay.

Fault deformation overlay - extends at least 20 m either side of the mapped or inferred fault trace. Where a visible escarpment is present, the overlay is extended to the crest of the escarpment to account for the possibility that the true fault trace lies mid-scarp rather than at the mapped base.

LEGEND

- Study area
- Fault deformation overlay (20 m setback and up to crest escarpment)

LiDAR-based fault trace mapping (Kerr et al., 2003)

- Well defined extended fault trace

2025 Kahuto Pacific LiDAR

- 5 m Contour interval
- 1 m Contour interval

A3 SCALE 1:2,000

0 10 20 30 40 50 m

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NOTES:
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TITLE PORT VILA CBD FAULT DEFORMATION OVERLAY PLAN 1 OF 7

SCALE (A3) 1:2,000 FIG No. FIGURE C1 REV 0

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NOTES:

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LEGEND

- Study area
- Fault deformation overlay (20 m setback and up to crest escarpment)

LiDAR-based fault trace mapping (Kerr et al., 2003)

- Well defined extended fault trace

2025 Kahuto Pacific LiDAR

- 5 m Contour interval
- 1 m Contour interval

A3 SCALE 1:2,000

0 10 20 30 40 50 m

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TITLE PORT VILA CBD FAULT DEFORMATION OVERLAY PLAN 2 OF 7

SCALE (A3) 1:2,000 FIG No. FIGURE C2 REV 0

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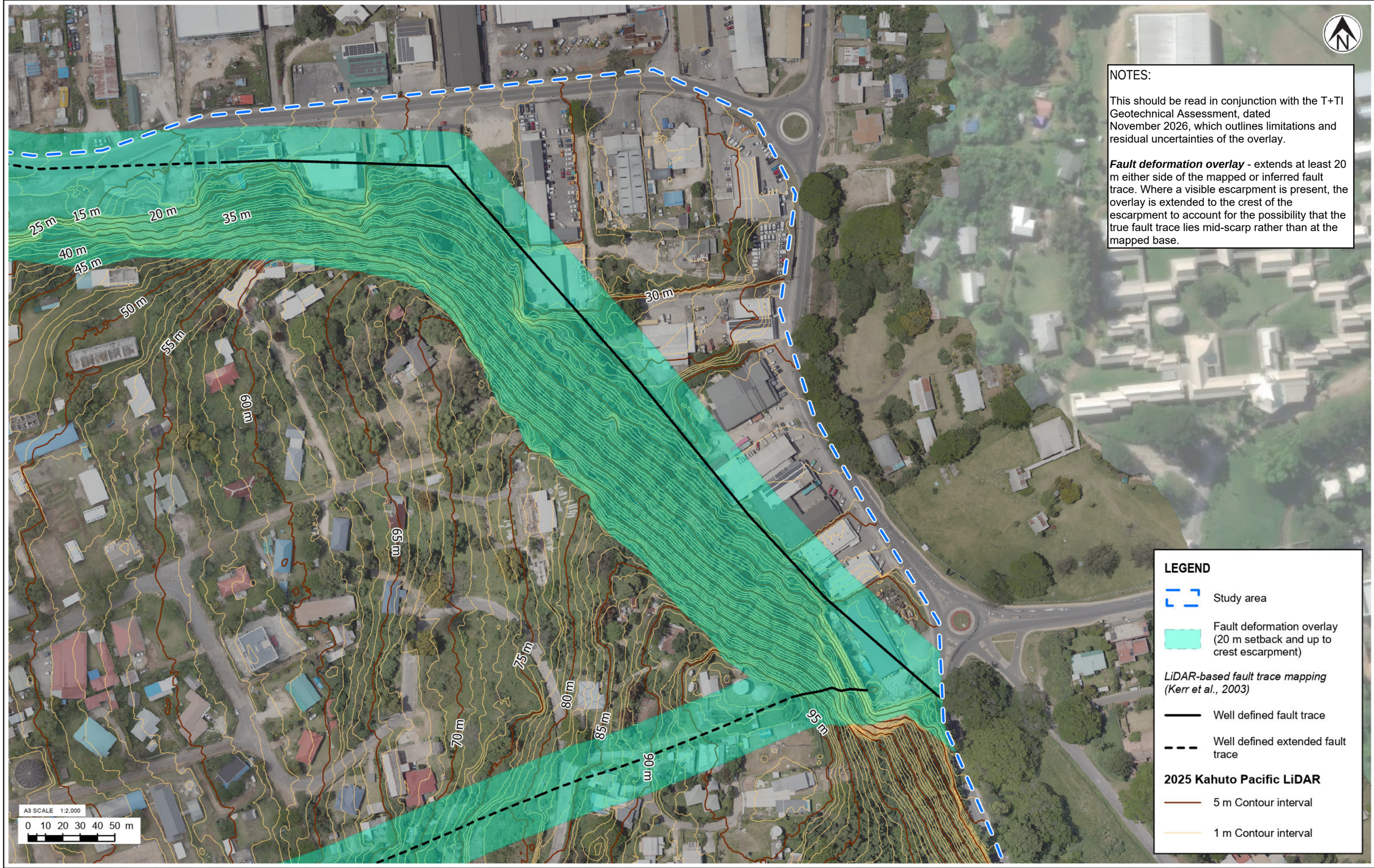

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TITLE PORT VILA CBD FAULT DEFORMATION OVERLAY PLAN 3 OF 7

SCALE (A3) 1:2,000 FIG No. FIGURE C3 REV 0

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NOTES:

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Fault deformation overlay - extends at least 20 m either side of the mapped or inferred fault trace. Where a visible escarpment is present, the overlay is extended to the crest of the escarpment to account for the possibility that the true fault trace lies mid-scarp rather than at the mapped base.



LEGEND

- Study area
- Fault deformation overlay (20 m setback and up to crest escarpment)

LiDAR-based fault trace mapping (Kerr et al., 2003)

- Well defined fault trace
- Well defined extended fault trace

2025 Kahuto Pacific LiDAR

- 5 m Contour interval
- 1 m Contour interval

A3 SCALE 1:2,000

0 10 20 30 40 50 m

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NOTES:
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TITLE PORT VILA CBD FAULT DEFORMATION OVERLAY PLAN 4 OF 7

SCALE (A3) 1:2,000 FIG No. FIGURE C4 REV 0

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NOTES:

This should be read in conjunction with the T+TI Geotechnical Assessment, dated November 2026, which outlines limitations and residual uncertainties of the overlay.

Fault deformation overlay - extends at least 20 m either side of the mapped or inferred fault trace. Where a visible escarpment is present, the overlay is extended to the crest of the escarpment to account for the possibility that the true fault trace lies mid-scarp rather than at the mapped base.

LEGEND

- Study area
- Fault deformation overlay (20 m setback and up to crest escarpment)

LiDAR-based fault trace mapping (Kerr et al., 2003)

- Well defined fault trace
- Well defined extended fault trace

2025 Kahuto Pacific LiDAR

- 5 m Contour interval
- 1 m Contour interval

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NOTES:
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3. Contours have been generated using the 2025 Kahuto Pacific LiDAR Survey.

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LOCATION PLAN

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TITLE PORT VILA CBD FAULT DEFORMATION OVERLAY PLAN 5 OF 7
SCALE (A3) 1:2,000 FIG No. FIGURE C5 REV 0

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NOTES:

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LEGEND

- Study area
- Fault deformation overlay (20 m setback and up to crest escarpment)

LiDAR-based fault trace mapping (Kerr et al., 2003)

- Well defined fault trace

2025 Kahuto Pacific LiDAR

- 5 m Contour interval
- 1 m Contour interval

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TITLE PORT VILA CBD FAULT DEFORMATION OVERLAY PLAN 6 OF 7
SCALE (A3) 1:2,000 FIG No. FIGURE C6 REV 0

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TITLE PORT VILA CBD FAULT DEFORMATION OVERLAY PLAN 7 OF 7
SCALE (A3) 1:2,000 FIG No. FIGURE C7 REV 0