



NOTES:

LOT# 0-4, 103, 208, 608, 614, 619, 625, 629 ARE TO VEST
AS LOCAL PURPOSE (WALWORTH) RESERVE.

FURTHER EASEMENTS MAY BE REQUIRED FOR SERVICES

PROPOSED MEMORANDUM OF EASEMENTS

| Nature | Servient Tenement | | Dominant Tenement | |
|----------------------------------|-------------------|---------|-------------------------|---------|
| | Lot | Section | Lot | Section |
| Right of Way & services | 302 | A | Lot 202 | |
| | 117 | B | Lot 203 | |
| | 229 | NA | Lot 188 | |
| | 229 | NA | Lot 220 | |
| | 229 | NA | Lot 220 & 231 | |
| | 228 | HC | Lot 220, 231 & 232 | |
| | 266 | D | Lot 267 | |
| | 325 | E | Lot 327 | |
| | 130 | F | Lot 126, 128 | |
| | 130 | G | Lot 126, 128 | |
| Right to drain water in grade | 7 | GB | Commons | |
| | 16 | GI | Solvey District Council | |
| | 91 | GJ | | |
| | 92 | GJ | | |
| | 164 | GQ | | |
| | 165 | GR | | |
| | 166 | GS | | |
| | 167 | GT | | |
| | 168 | GU | | |
| | 302 | UP | | |

DATA QUALITY STATEMENTS

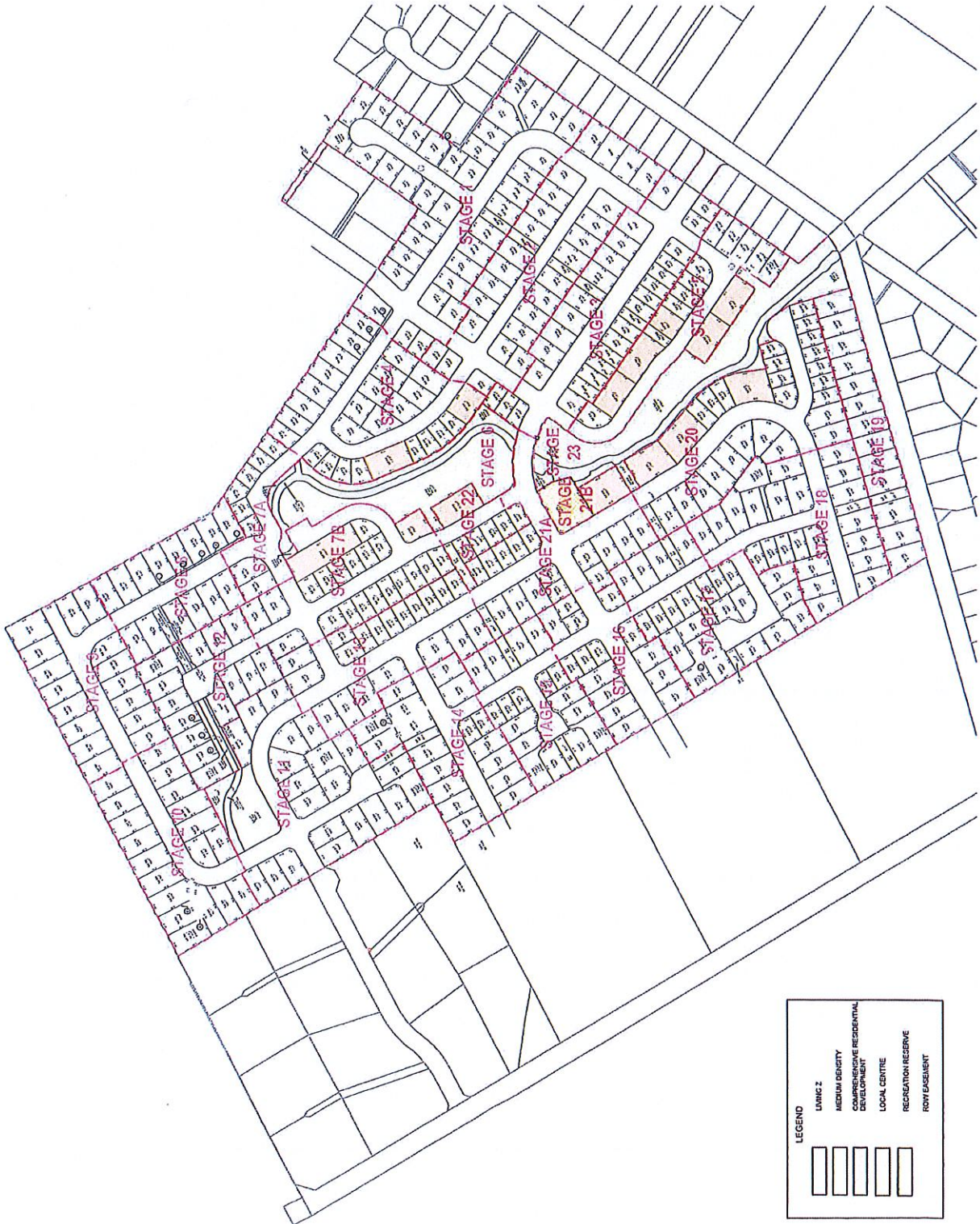
PROPERTY DATA
The property data has been sourced from Land Information New Zealand (LINZ) and is current as at 31st August 2011.

SURVEYED DATA
Surveyed data has been captured using survey equipment, to a relative accuracy within ± 30 mm (horizontal and vertical).

SERVICES DATA

Where services have features visible on the surface, their positions have been verified by field survey. The accuracy of unverified services is unknown. Also, there may be services for which no records were provided and which are not shown on this plan. In all cases, if the location of a service is considered important, the relevant service provider should be

AERIAL PHOTO
The aerial photography was flown on 15 February 2011. The image has been orthorectified at ground level to a low order and aligned with surveyed features. The image will still be subject to some distortion.



| N | 7/25.13 | LOT LAYOUT AMENDED |
|---|----------|---|
| M | 0/24.13 | LOT AREA AMENDED |
| J | 2/10.12 | ROAD AND LOT LAYOUT & RELATED AMENDMENTS |
| K | 2/10.12 | ROAD AND LOT LAYOUT & RELATED AMENDMENTS |
| L | 14/03.12 | ROAD WIDTH & RELATED AMENDMENTS |
| I | 20/02.12 | MINOR RESERVES & STAGING AMENDMENTS |
| H | 23/02.12 | LOCAL PURPOSE (WATER RACE) RESERVES, ROAD AND OTHER ROAD WIDTH & RELATED AMENDMENTS |

| PURCHASED | DRAWN | SURVEYED | |
|-----------|---------|----------|-----------------|
| BOT | M CROWE | M CROWE | |
| BOT | | CHECKED | |
| BOT | | B Toms | |
| BOT | | APPROVED | |
| BOT | | | DATE 1/20/11 |
| BOT | | | Erent Toms |
| BOT | | | |

| | | | | |
|-------------|-----------------------|-----------------|------------|----------|
| PRELIMINARY | PROJECT NO. 224926 | SCALE 1"=000 | SIZE A3 | REV N |
| | | | | SU-02 |

Overall Subdivision Proposal Plan



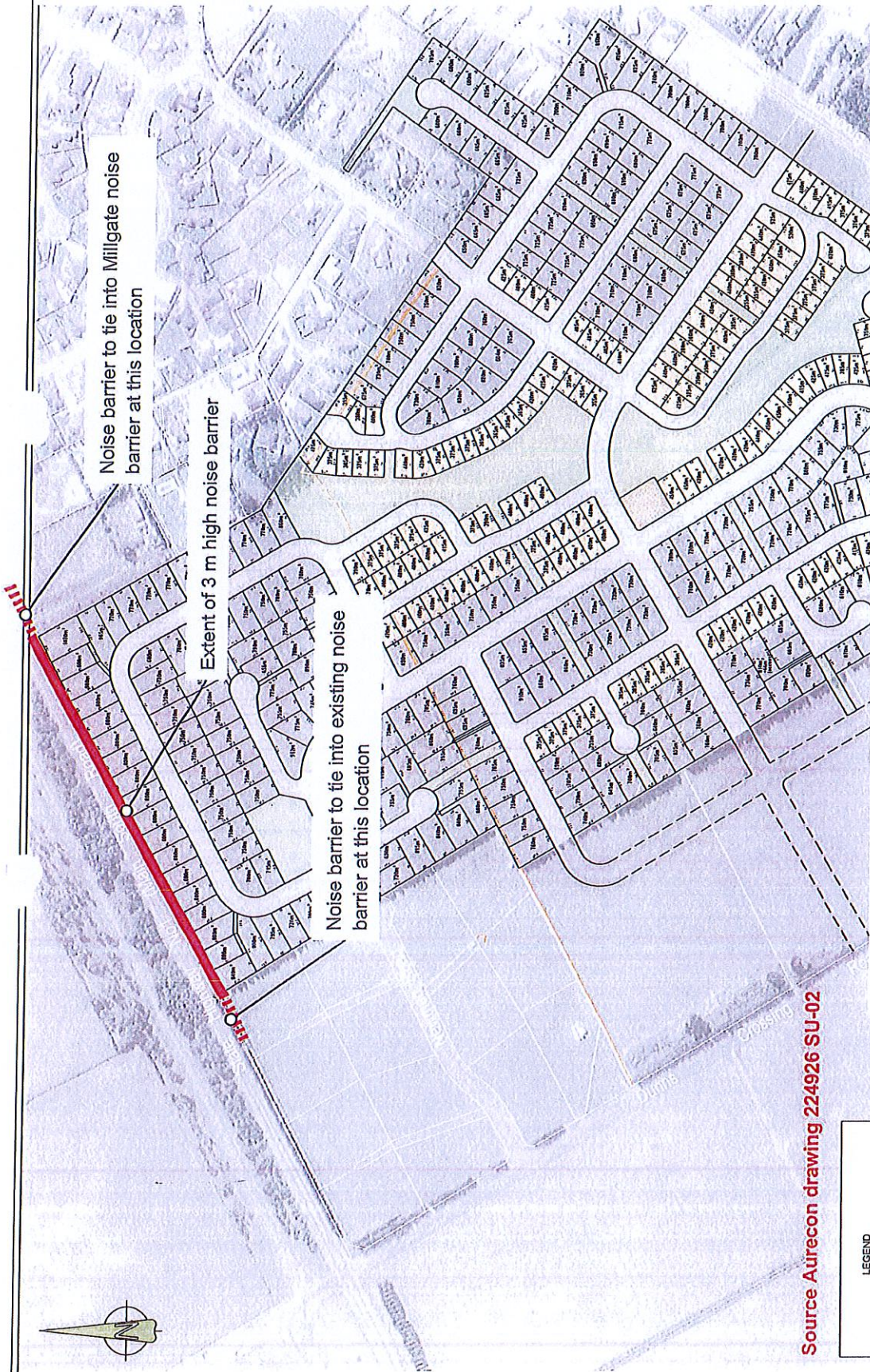
qurecon

www.aurecongroup.com

AS APPROVED BY S.D.C.
RESOURCE CONSENT

R 135261 Sheet 2 of 5

DATE: 16/7/13 INIT: Rmc



TITLE: EXTENT OF 3 METRE HIGH NOISE BARRIER

REV: 01

DRAWING REF: Figure 1

DRAWN: JF

DATE: November 2011

SCALE: NTS

PROJECT: Stonebrook, Rolleston

JOB NO: 201111a1

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Acoustics

LEGEND

- ROADING
- LIVING Z
- MEDIUM DENSITY
- LOCAL CENTRE
- RECREATION RESERVE
- EASEMENT

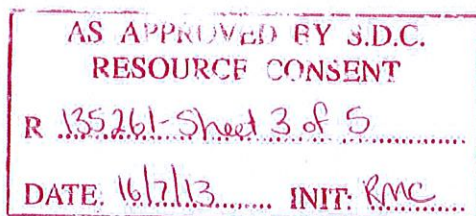


Table B1. Construction Elements – Non-Glazing (For 3.0 m Noise Barrier)

| Area | Materials / Construction |
|---|---|
| Roof – Single Storey | 0.6 mm Coloursteel or Concrete Tiles |
| Roof – Multi Storey | 0.6mm Coloursteel or Concrete Tiles with 18mm plywood sarking beneath |
| Ceilings in any habitable space with the roof directly above. | Minimum R1.8 thermal grade insulation (e.g. R1.8 Pink Batts, Autex Greenstuff, or approved equivalent) or such greater amount as required to meet Building Code. Ceiling to be lined with 2 layers of high-density plasterboard such as Gib 13mm Noiseline installed as per manufacturers requirements. |
| Walls facing West, North or East on single story dwellings; or ground floor of multi storey dwellings | Either: Heavyweight Construction consisting of: Exterior cladding to be <i>either</i> minimum 70 mm brick; <i>or</i> 150 mm concrete wall; <i>or</i> 190 mm poured concrete block. Wall cavity to be a minimum of 100 mm which is to be filled with minimum R1.8 thermal grade insulation (e.g. R1.8 Pink Batts, Autex Greenstuff, or approved equivalent) or such greater amount as required to meet Building Code. 10mm standard plasterboard such as Gib Lining. Or: Lightweight Construction consisting of: Weatherboard external cladding Wall cavity to be a minimum of 100 mm which is to be filled with minimum R1.8 thermal grade insulation (e.g. R1.8 Pink Batts, Autex Greenstuff, or approved equivalent) or such greater amount as required to meet Building Code. Two layers of 10mm high-density plasterboard such as Gib Noiseline Lining |
| Walls facing West, North or East on 2 nd level of dwellings. | Heavyweight Construction consisting of: Exterior cladding to be <i>either</i> minimum 70 mm brick, <i>or</i> 150 mm concrete wall, <i>or</i> 190 mm poured concrete block. Wall cavity to be a minimum of 100 mm which is to be filled with minimum R1.8 thermal grade insulation (e.g. R1.8 Pink Batts, Autex Greenstuff, or approved equivalent) or such greater amount as required to meet Building Code. 10mm standard plasterboard such as Gib Lining. |
| "North" refers to elements directly facing State Highway 1. | |
| South facing rooms and non-habitable spaces | Any standard construction techniques and elements complying with the Building Code. |
| External Doors (non-glazed) | Must be free of gaps, well sealed and of solid core construction. No external doors may be located on the northern face of buildings unless specific acoustic design is performed. |

Table B2. Construction Elements – Glazing (For 3.0 m Noise Barrier)

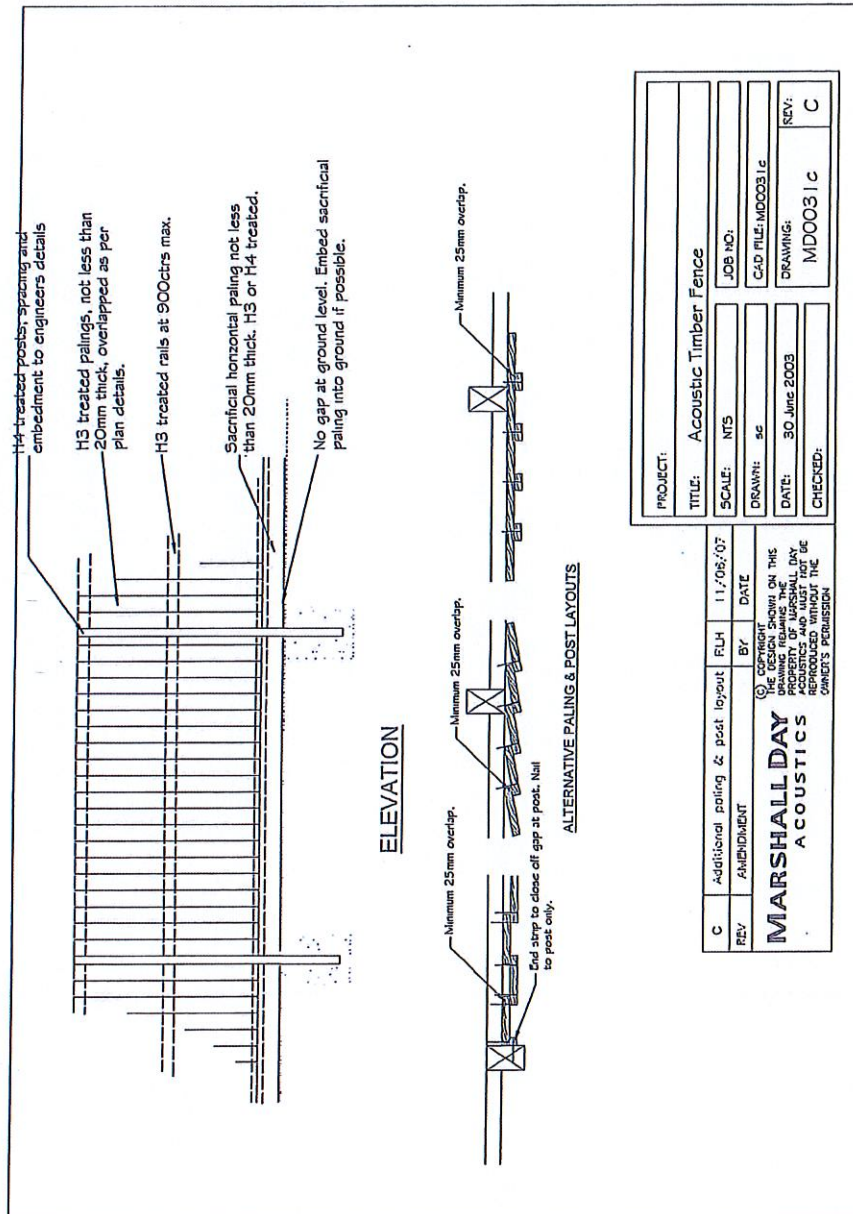
| Area (see notes) | Materials / Construction |
|--|---|
| North, west and east facing living room windows. | <p>Either:</p> <p>Double glazing units covering not more than 30% of the external wall area comprising 8 mm glass with a 12 mm cavity and 6 mm glass;</p> |
| "North" refers to elements directly facing State Highway 1. | <p>Or:</p> <p>Double glazing units covering not more than 30% of the external wall area comprising 10 mm glass with a 12 mm cavity and 4 mm glass</p> |
| | <p>Or:</p> <p>Single glazing covering not more than 30% of the external wall area comprising 9mm PMMA Laminate Glass (HUSH, Audioscreen, Soundstop or equivalent).</p> |
| North, west and east facing bedroom windows on ground floor. | <p>With Lightweight Wall Construction:</p> <p>Double glazing units covering not more than 30% of the external wall area comprising 10 mm glass with a 12 mm cavity and 6 mm glass;</p> |
| "North" refers to elements directly facing State Highway 1. | <p>Or:</p> <p>Single glazing covering not more than 30% of the external wall area comprising 11mm PMMA Laminate Glass (HUSH, Audioscreen, Soundstop or equivalent).</p> |
| | <p>With Heavyweight Wall Construction:</p> <p>Double glazing units covering not more than 30% of the external wall area comprising 8 mm glass with a 12 mm cavity and 6 mm glass;</p> |
| | <p>Or:</p> <p>Double glazing units covering not more than 30% of the external wall area comprising 10 mm glass with a 12 mm cavity and 4 mm glass</p> |
| | <p>Or:</p> <p>Single glazing covering not more than 30% of the external wall area comprising 9mm PMMA Laminate Glass (HUSH, Audioscreen, Soundstop or equivalent).</p> |
| North west and east facing bedroom windows on 2 nd level. | <p>Either:</p> <p>Double glazing units covering not more than 30% of the external wall area comprising 10 mm glass with a 12 mm cavity and 6mm laminated glass;</p> |
| "North" refers to elements directly facing State Highway 1. | <p>Or:</p> <p>single glazing single glazing covering not more than 30% of the external wall area comprising 11mm PMMA Laminate Glass (HUSH, Audioscreen, Soundstop or equivalent);</p> |

Note1: Sliding and Bi-fold doors are not permitted on upper floors except the south facade.

Note 2: The highest point of any upper floor window is not to exceed five metres above ground level.

AS APPROVED BY S.D.C.
 RESOURCE CONSENT
 R 135261-Sheet 5 of 5
 DATE: 16/7/13 INIT: Rmc

MARSHALL DAY
 ACOUSTICS



| | | | |
|----------|--|-----------------------|--|
| PROJECT: | | Acoustic Timber Fence | |
| SCALE: | | NTS | |
| DRAWN: | | SC | |
| DATE: | | 30 June 2003 | |
| CHECKED: | | MD003 c | |
| REV: | | C | |

| | | | |
|-----|---------------------------------|-----|----------|
| C | Additional paling & post layout | RLH | 11/06/07 |
| REV | AMENDMENT | BY | DATE |

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