

| STREETLIGHT SCHEDULE | | | | | | |
|----------------------|-----------|-----------|-------|------------------------|--------------------|----------------------------------|
| ID | mE | mN | RL | COLUMN | OUTREACH | LUMINAIRE |
| SL01 | 368945.15 | 799837.99 | 32.90 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL02 | 368972.81 | 799814.87 | 32.70 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL03 | 369011.73 | 799790.33 | 32.44 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL04 | 369036.78 | 799753.36 | 32.21 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL05 | 369059.99 | 799717.45 | 32.00 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL06 | 369065.21 | 799678.33 | 31.82 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL07 | 369050.18 | 799630.55 | 31.57 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL08 | 369037.19 | 799591.58 | 31.44 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL09 | 369028.55 | 799555.88 | 32.45 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL10 | 369027.89 | 799518.27 | 33.52 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL11 | 369035.68 | 799473.84 | 34.14 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL12 | 369037.56 | 799430.33 | 34.52 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL13 | 369037.59 | 799385.27 | 36.44 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL14 | 369037.49 | 799340.58 | 40.59 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL15 | 369005.41 | 799318.99 | 41.82 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL16 | 368963.43 | 799337.56 | 39.55 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL17 | 368933.49 | 799361.89 | 36.48 | KENDELIER 80125 - 6.5m | 'THE LAKES' - 1.3m | LUMA 1 LED 66 WATT 6850 LUMENS |
| SL18 | 368905.35 | 799326.74 | 37.06 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL19 | 368911.82 | 799369.23 | 36.48 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL20 | 368937.93 | 799402.05 | 35.70 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL21 | 368928.78 | 799442.00 | 36.55 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL22 | 368941.05 | 799481.68 | 39.49 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL23 | 368922.12 | 799514.76 | 43.08 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL24 | 368921.98 | 799554.71 | 47.00 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL25 | 368893.60 | 799581.14 | 50.72 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL26 | 368881.91 | 799618.67 | 54.29 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |
| SL27 | 368846.63 | 799638.87 | 57.56 | KENDELIER 100150 - 9m | 'THE LAKES' - 2m | LUMA 1 LED 127 WATT 15000 LUMENS |

| ROAD DESIGN DETAILS | | | |
|---------------------|-----------|--------------------|-------|
| STREET | LAYER | MATERIAL | DEPTH |
| PAKANGA GROVE | SURFACING | ASPHALTIC CONCRETE | 25mm |
| | PAVEMENT | GAP40 BASECOURSE | 260mm |
| TE RANGA MEMORIAL | SURFACING | ASPHALTIC CONCRETE | 40mm |
| | PAVEMENT | GAP40 BASECOURSE | 200mm |
| | SUBBASE | TNZ M/4 AP40 | 100mm |

| BRIDGE CORNER COORDINATES | | |
|---------------------------|-----------|-----------|
| POINT | mE | mN |
| NE CORNER | 368994.24 | 799557.63 |
| SE CORNER | 368994.27 | 799555.25 |
| SW CORNER | 368987.55 | 799555.23 |
| NW CORNER | 368987.54 | 799557.59 |

| COORDINATE SCHEDULE | | | | |
|---------------------|-----------|-----------|-------|-------------------|
| ID | mE | mN | RL | TYPE |
| SN01 | 369011.84 | 799327.21 | 41.82 | STREET NAME BLADE |
| SN02 | 368933.49 | 799361.89 | 36.48 | AJ11 |
| SN03 | 368934.09 | 799355.98 | 36.84 | RD6L |
| SN04 | 368925.48 | 799359.62 | 36.79 | RD6L |
| SN05 | 368923.31 | 799351.91 | 36.69 | RP2 |
| SN06 | 368929.00 | 799401.27 | 36.03 | RD6L |
| SN07 | 368911.82 | 799369.23 | 36.48 | STREET NAME BLADE |
| SN08 | 368848.47 | 799656.48 | 58.25 | RS1 (50) |
| SN09 | 368826.04 | 799672.03 | 59.33 | RD6L |

| BENCHMARKS | | | |
|------------|-----------|-----------|-------|
| ID | mE | mN | LEVEL |
| BM 1143 | 369022.18 | 799319.94 | 41.60 |
| BM 1144 | 369019.20 | 799549.21 | 32.66 |
| BM 1145 | 369063.50 | 799704.70 | 31.88 |
| BM 1146 | 368930.46 | 799837.31 | 32.91 |

| RESERVE SIGN | | | |
|--------------|----|----|-------|
| ID | mE | mN | LEVEL |
| | | | |
| | | | |

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|-------------------|----------------|---------------|---------------------|---|--|--|---|---|------------------------------|-----------------------------------|
| ORIGINATOR: TCH | DATE: 22.12.17 | SIGNED: | PLOT BY: TRS |  ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND |  ISO 9001 QUALITY ASSURED |  Tauranga Office Level 1, 60 Spring Street Tauranga 3110 T +64 7 578 0023 W www.harrisongrierson.com | PROJECT:  THE LAKES (2012) LIMITED | TITLE: STAGE 3I STREETScape/TRANSPORTATION AS BUILT PLANS SHEET 7 TCC IP 101782 | ISSUE STATUS: FINAL AS BUILT | |
| DRAWN: PSJ | DATE: 22.12.17 | SIGNED: | PLOT DATE: 18.01.18 | | | | | | PROJECT No: 1520-139618-01 | SCALES: 1:500 - A1 1:1000 - A3 |
| C FINAL AS BUILT | TCH 18.01.18 | CHECKED: TCH | DATE: 18.01.18 | SIGNED: | SURVEY BY: - | THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING. | DRAWING No: 139618-AB407 | REV C | | |
| B DRAFT AS BUILTS | TCH 16.01.18 | TCH | DATE: 18.01.18 | SIGNED: | SURVEY DATE: - | | | | | |
| A DRAFT AS BUILT | TCH 22.12.17 | APPROVED: GPR | DATE: 18.01.18 | SIGNED: | SURVEY DATE: - | | | | | |
| REF REVISIONS | BY DATE | GPR | DATE: 18.01.18 | SIGNED: | SURVEY DATE: - | | | | | |