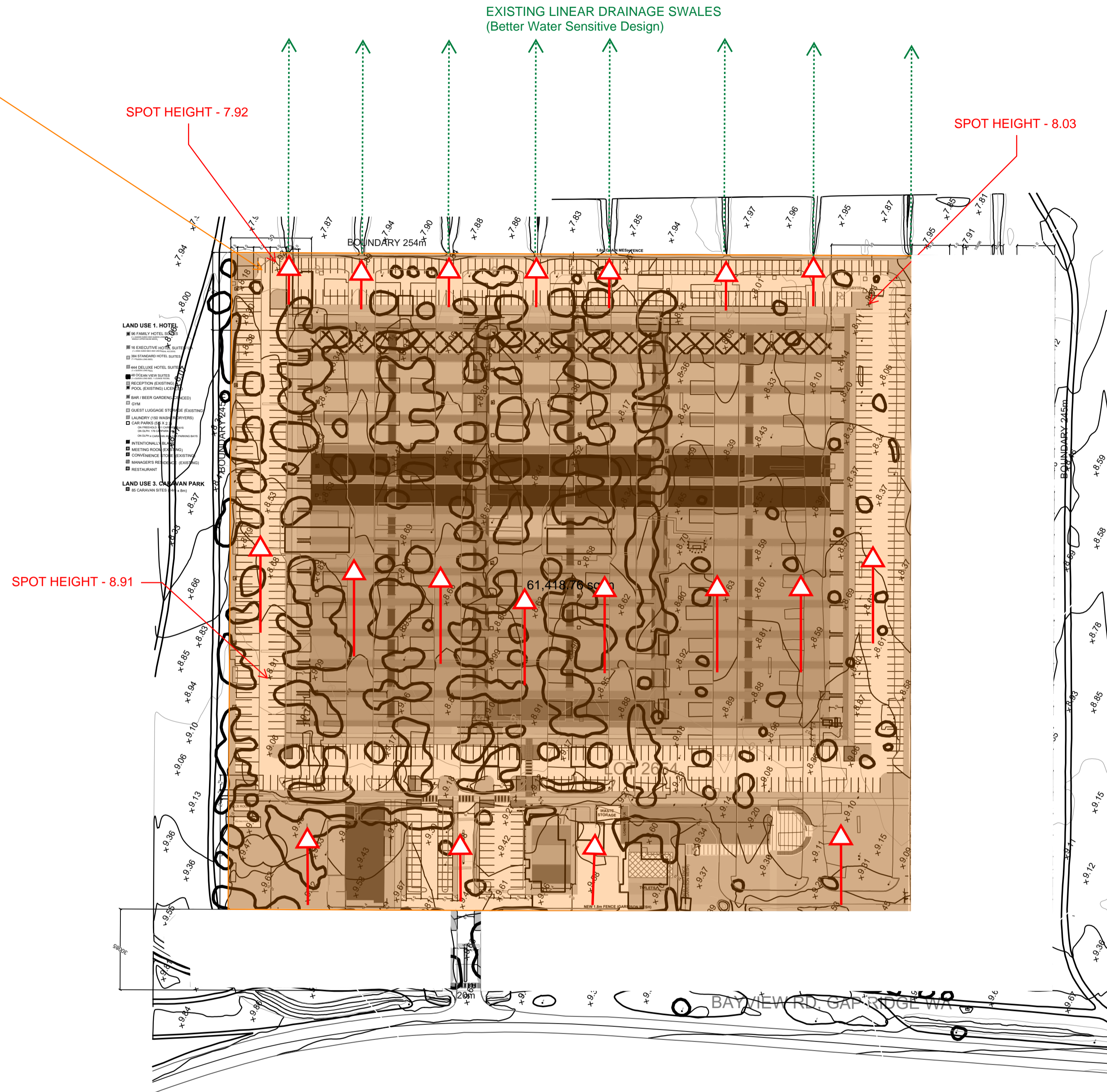


**CATCHMENT A (ORANGE)**

CATCHMENT AREA - 61,500m<sup>2</sup>  
 COEFFICIENT OF RUNOFF - 0.9  
 INTENSITY (5 YEAR/1 HOUR) - 33.2mm  
 TOTAL RUNOFF - 2,041.8m<sup>3</sup>  
 VELOCITY = 567 l/s or 70.9 l/s per swale



| Duration | Annual Exceedance Probability (AEP) |      |      |      |      |      |      |
|----------|-------------------------------------|------|------|------|------|------|------|
|          | 63.2%                               | 50%# | 20%* | 10%  | 5%   | 2%   | 1%   |
| 1 min    | 1.33                                | 1.55 | 2.26 | 2.76 | 3.26 | 3.95 | 4.49 |
| 2 min    | 2.12                                | 2.45 | 3.53 | 4.29 | 5.03 | 6.06 | 6.85 |
| 3 min    | 3.02                                | 3.51 | 5.08 | 6.18 | 7.26 | 8.77 | 9.94 |
| 4 min    | 3.91                                | 4.55 | 6.61 | 8.06 | 9.49 | 11.5 | 13.0 |
| 5 min    | 4.75                                | 5.54 | 8.06 | 9.84 | 11.6 | 14.1 | 16.0 |
| 10 min   | 8.18                                | 9.54 | 13.9 | 17.0 | 20.2 | 24.4 | 27.7 |
| 15 min   | 10.6                                | 12.4 | 18.1 | 22.0 | 26.1 | 31.5 | 35.8 |
| 20 min   | 12.5                                | 14.5 | 21.1 | 25.8 | 30.4 | 36.8 | 41.8 |
| 25 min   | 13.9                                | 16.2 | 23.5 | 28.7 | 33.9 | 40.9 | 46.5 |
| 30 min   | 15.1                                | 17.5 | 25.5 | 31.1 | 36.7 | 44.3 | 50.3 |
| 45 min   | 17.7                                | 20.6 | 29.9 | 36.5 | 43.1 | 52.1 | 59.2 |
| 1 hour   | 19.5                                | 22.7 | 33.2 | 40.5 | 47.9 | 58.1 | 66.0 |
| 1.5 hour | 22.1                                | 25.8 | 38.1 | 46.8 | 55.5 | 67.5 | 77.0 |
| 2 hour   | 24.0                                | 28.2 | 42.0 | 51.8 | 61.7 | 75.4 | 86.3 |
| 3 hour   | 27.0                                | 32.0 | 48.5 | 60.3 | 72.4 | 89.2 | 103  |
| 4.5 hour | 30.4                                | 36.5 | 56.6 | 71.1 | 86.1 | 107  | 124  |
| 6 hour   | 33.3                                | 40.3 | 63.5 | 80.5 | 98.1 | 123  | 143  |
| 9 hour   | 38.2                                | 46.7 | 75.5 | 96.7 | 119  | 150  | 176  |
| 12 hour  | 42.3                                | 52.1 | 85.5 | 110  | 137  | 174  | 204  |
| 18 hour  | 48.9                                | 60.9 | 102  | 133  | 165  | 211  | 249  |
| 24 hour  | 54.2                                | 67.9 | 115  | 150  | 187  | 239  | 282  |
| 30 hour  | 58.6                                | 73.5 | 125  | 163  | 205  | 261  | 307  |
| 36 hour  | 62.2                                | 78.2 | 133  | 174  | 218  | 278  | 327  |
| 48 hour  | 67.9                                | 85.5 | 145  | 191  | 238  | 303  | 354  |
| 72 hour  | 75.2                                | 94.6 | 160  | 209  | 260  | 327  | 381  |

**KEY**  
 FLOW DIRECTION

| Rev | Date       | Description             | Drawn | Appr. |
|-----|------------|-------------------------|-------|-------|
| A   | 2024.03.25 | DEVELOPMENT APPLICATION | DRN   | APP   |
|     |            |                         |       |       |

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|                 |       |
|-----------------|-------|
| Drawn: RIVER    | Date: |
| Designed: RIVER | Date: |
| Checked: RIVER  | Date: |
| Reviewed: RIVER | Date: |
| Approved: RIVER | Date: |

|                            |
|----------------------------|
| Client: RFF PTY LTD        |
| Project: BAYVIEW HOTEL     |
| Title: STORMWATER STRATEGY |

|                           |              |              |          |             |
|---------------------------|--------------|--------------|----------|-------------|
| Status: PRELIMINARY ISSUE |              |              |          |             |
| Date: DATE                | Date: A.H.D. | Scale: SCALE | Size: A1 | Revision: A |
| Drawing Number: DA 01     |              |              |          |             |

SCALE