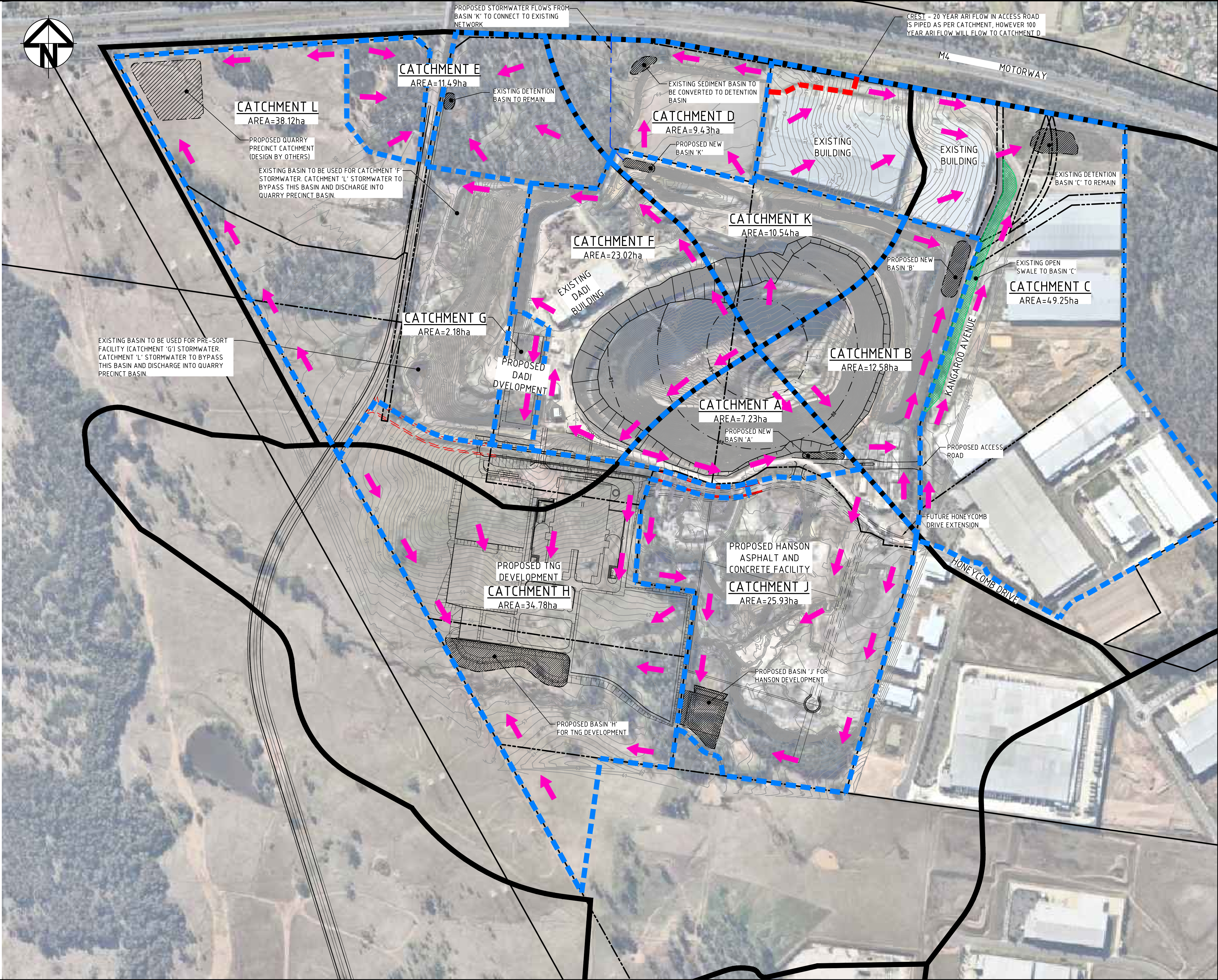
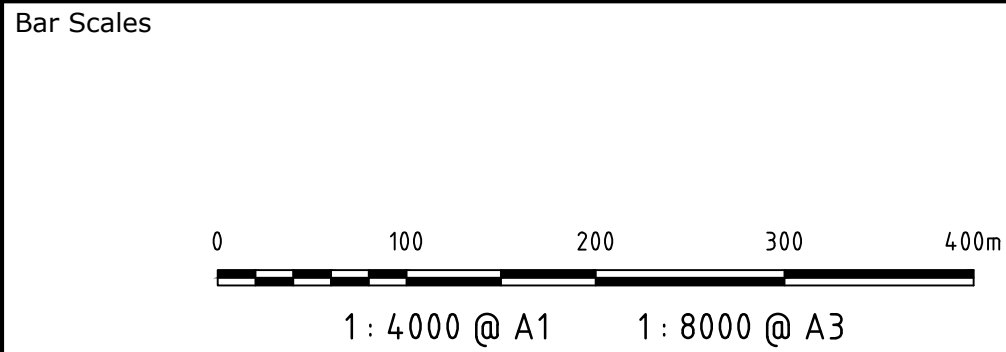


| CATCHMENT | AREA    | VOLUME REQUIRED FOR OSD | SURFACE AREA REQUIRED FOR BIO-RETENTION |
|-----------|---------|-------------------------|-----------------------------------------|
| A         | 7.23ha  | 2,510m <sup>3</sup>     | 730m <sup>2</sup>                       |
| B         | 12.58ha | 4,300m <sup>3</sup>     | 1,320m <sup>2</sup>                     |
| C         | 49.25ha | -                       | -                                       |
| D         | 9.43ha  | 3,300m <sup>3</sup>     | 950m <sup>2</sup>                       |
| E         | 11.49ha | -                       | -                                       |
| F         | 23.02ha | 8,300m <sup>3</sup>     | 2,400m <sup>2</sup>                     |
| G         | 2.18ha  | 760m <sup>3</sup>       | 220m <sup>2</sup>                       |
| H         | 34.78ha | 12,080m <sup>3</sup>    | 3,510m <sup>2</sup>                     |
| J         | 25.93ha | UNKNOWN                 | UNKNOWN                                 |
| K         | 10.54ha | 3,600m <sup>3</sup>     | 1,070m <sup>2</sup>                     |
| L         | 38.12ha | 13,250m <sup>3</sup>    | 3,840m <sup>2</sup>                     |

- NOTE:
1. SIZE OF OSD/BIO-RETENTION BASINS BASED ON ASSUMPTION THAT CATCHMENT WILL BE 80% IMPERVIOUS AREA.
  2. CALCULATIONS AS PER BLACKTOWN CITY COUNCIL SEPP No.59.
  3. WSUD TARGET REDUCTION REQUIREMENTS;
    - 85% TOTAL SUSPENDED SOLIDS (TSS)
    - 65% TOTAL PHOSPHORUS (TP)
    - 45% TOTAL NITROGEN (TN)
    - 90% TOTAL HYDROCARBONS
    - 90% GROSS POLLUTANTS
  4. CATCHMENTS 'C' AND 'E' WILL NOT BE ALTERED. EXISTING BASINS ARE ASSUMED SUFFICIENT.
  5. CATCHMENT 'J' IS ASSUMED TO DRAIN TO BASIN 'J' AND HAS BEEN ASSIGNED ACCORDINGLY.



| Issue | Description            | Date     |
|-------|------------------------|----------|
| P6    | ISSUED FOR INFORMATION | 26-10-15 |
| P5    | ISSUED FOR INFORMATION | 12-10-15 |
| P4    | ISSUED FOR INFORMATION | 18-09-15 |
| P3    | ISSUED FOR INFORMATION | 01-09-15 |
| P2    | ISSUED FOR INFORMATION | 28-08-15 |
| P1    | ISSUED FOR INFORMATION | 24-08-15 |



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|--------|----------|-----|
| Client | Drawn    | ASD |
|        | Designed | ASD |
|        | Checked  | AT  |
|        | Approved |     |

|         |                                            |
|---------|--------------------------------------------|
| Project | GENESIS XERO WASTE FACILITY EASTERN CREEK  |
| Title   | PROPOSED FUTURE STORMWATER MANAGEMENT PLAN |

|                                                                                                                                                      |             |                                                 |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------|-------|
| Civil Engineers and Project Managers                                                                                                                 | at&l        | FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION | A1    |
| Suite 702, 154 Pacific Hwy St Leonards NSW 2065<br>ABN 96 130 882 405<br>Tel: 02 9439 1777<br>Fax: 02 9460 8413<br>www.atl.net.au<br>info@atl.net.au | Drawing No. | Project No.                                     | Issue |
|                                                                                                                                                      | SKC007      | 15-309                                          | P6    |