

# Memorandum

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>To</b>               | Siobhan Hargroves (UNSW)                                                                                                                                                                                            |
| <b>Date</b>             | 19 November 2025                                                                                                                                                                                                    |
| <b>Copies</b>           | Russell Druce (UNSW)<br>Craig Saltmarsh (Capital Insight)<br>Elisabeth Wallace (Capital Insight)<br>Karen Armstrong (Ethos Urban)<br>Tegan Flannery (Ethos Urban)<br>Ramiya Ravindran (Arup)<br>Emily Fuller (Arup) |
| <b>Reference number</b> | 304141                                                                                                                                                                                                              |
| <b>From</b>             | Karen Seeto                                                                                                                                                                                                         |
| <b>File reference</b>   | G25-ARP-MEM-CI-000001[03]                                                                                                                                                                                           |
| <b>Subject</b>          | UNSW G25 Education Building - SSDA Updated Stormwater Discharge Strategy (SSD-74670005)                                                                                                                             |

## 1. Introduction

This document serves as an addendum to the previously issued UNSW G25 Education Building Civil Design Report (UNSW G25-ARP-REP-CI-0004[04]) which was prepared in support of the State Significant Application SSD-74670005). It addresses updates to catchment delineation and stormwater discharge points from the proposed development subsequent to SSDA submission. This update concerns SEARs Requirement 14 – Water Management, shown in Table 1.

It is noted that certain infrastructure improvement works are subject to separate approval, including relocations/diversions of services infrastructure and associated tree removal, demolition works and capping of services. This includes stormwater pipe diversion (see Appendix A stormwater plan in this letter).

**Table 1: Section 14 SEARs Requirement**

| Item      | SEARs Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>14</b> | <b>Water Management</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 14.1      | <p>Provide an Integrated Water Management Plan for the development that:</p> <ul style="list-style-type: none"> <li>is prepared in consultation with the local council and any other relevant drainage or water authority.</li> </ul> <p>outlines the water-related servicing infrastructure required by the development (informed by the anticipated annual and ultimate increase in servicing demand) and evaluates opportunities to reduce water demand (such as recycled water provision).</p> <ul style="list-style-type: none"> <li>details the proposed drainage design for the site including any on-site treatment, reuse and detention facilities, water quality management measures and nominated discharge points.</li> <li>demonstrates compliance with the local council or other drainage or water authority requirements and avoids adverse downstream impacts.</li> </ul> |

## 2. Proposed Stormwater Strategy Changes

The previous stormwater strategy aimed to retain the existing sub-catchment boundaries outlined in the UNSW “2025 Stormwater Strategy Master Plan” (July 2017) campus-wide sub-catchment plan, wherever feasible.

Subsequent to this design being prepared, UNSW advised of a proposal to alter the stormwater reticulation of the adjacent E25 development and therefore redefine the sub catchment delineation.

The adjacent E25 development (falling under ‘E1’ sub-catchment) is located to the north of G25 and is currently draining to the Gate 11 OSD tank with discharge to Botany Street. The new design for E25 re-directs the roof drainage and ground level hardstand to the Chancellery Walk stormwater system which outfalls to the Village Green infiltration tank (Catchment ‘A’). This reconfiguration frees up storage capacity in the Gate 11 OSD to receive flows from the ‘E2’ catchment which currently drains to the Village Green.

A comparison of the sub-catchment alterations has been completed, with E25 development at 1200m<sup>2</sup> and the ‘E2’ catchment at 1800m<sup>2</sup>. As shown in Figure 1, 630m<sup>2</sup> of catchment ‘E2’ will continue to discharge to the Village Green infiltration tank, whilst 1170m<sup>2</sup> will be redirected to the Gate 11 OSD tank and Botany Street. This new 1170m<sup>2</sup> catchment discharging to Gate 11/ Botany Street is intended to offset the 1200m<sup>2</sup> change arising from proposed E25 discharge strategy.

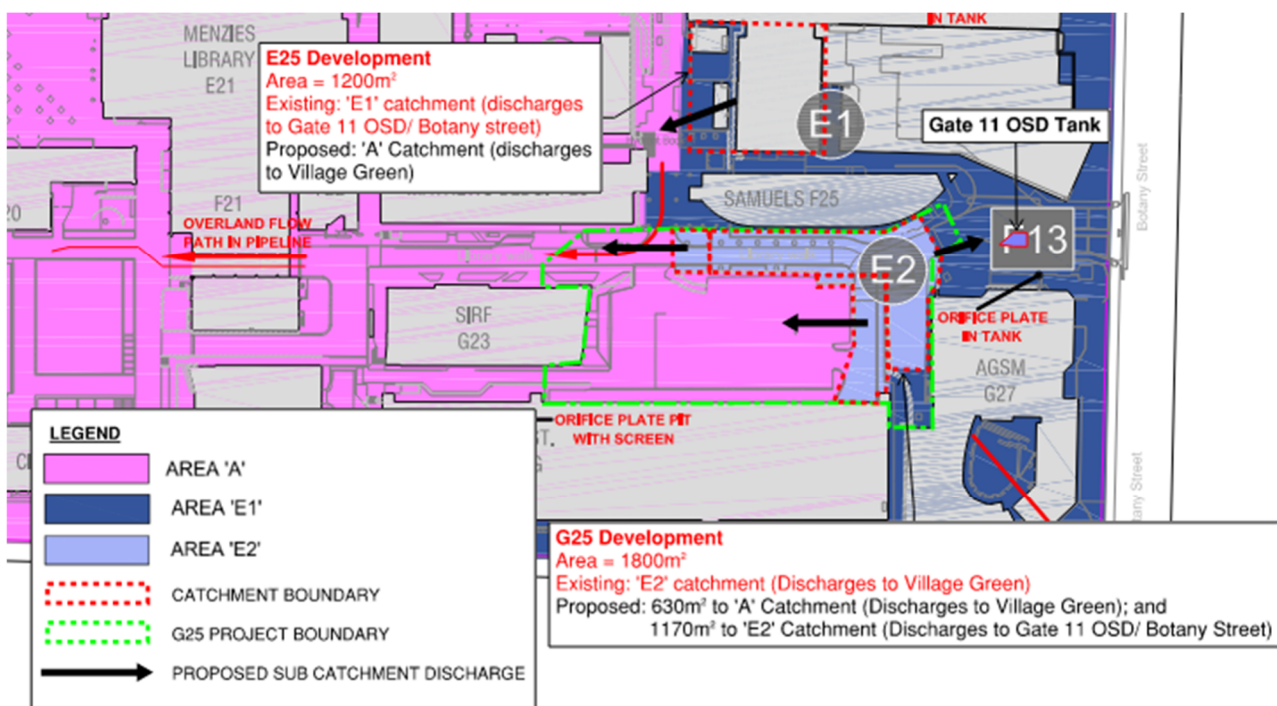


Figure 1: E25/G25 Stormwater Catchment Reconfiguration

## 3. Summary

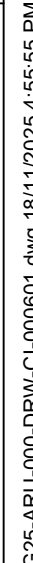
The revised stormwater strategy for the G25 Education Building remains consistent with the design intent of the previously issued SSD application except for an offset arrangement with the adjacent E25 development. This offset redefines the sub-catchment delineation from that outlined in the UNSW “2025 Stormwater Strategy Master Plan”. However, the changes do not fundamentally

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change the total catchment areas to each point of discharge. An extract of the updated stormwater plan and catchment plan are provided in Appendix A.

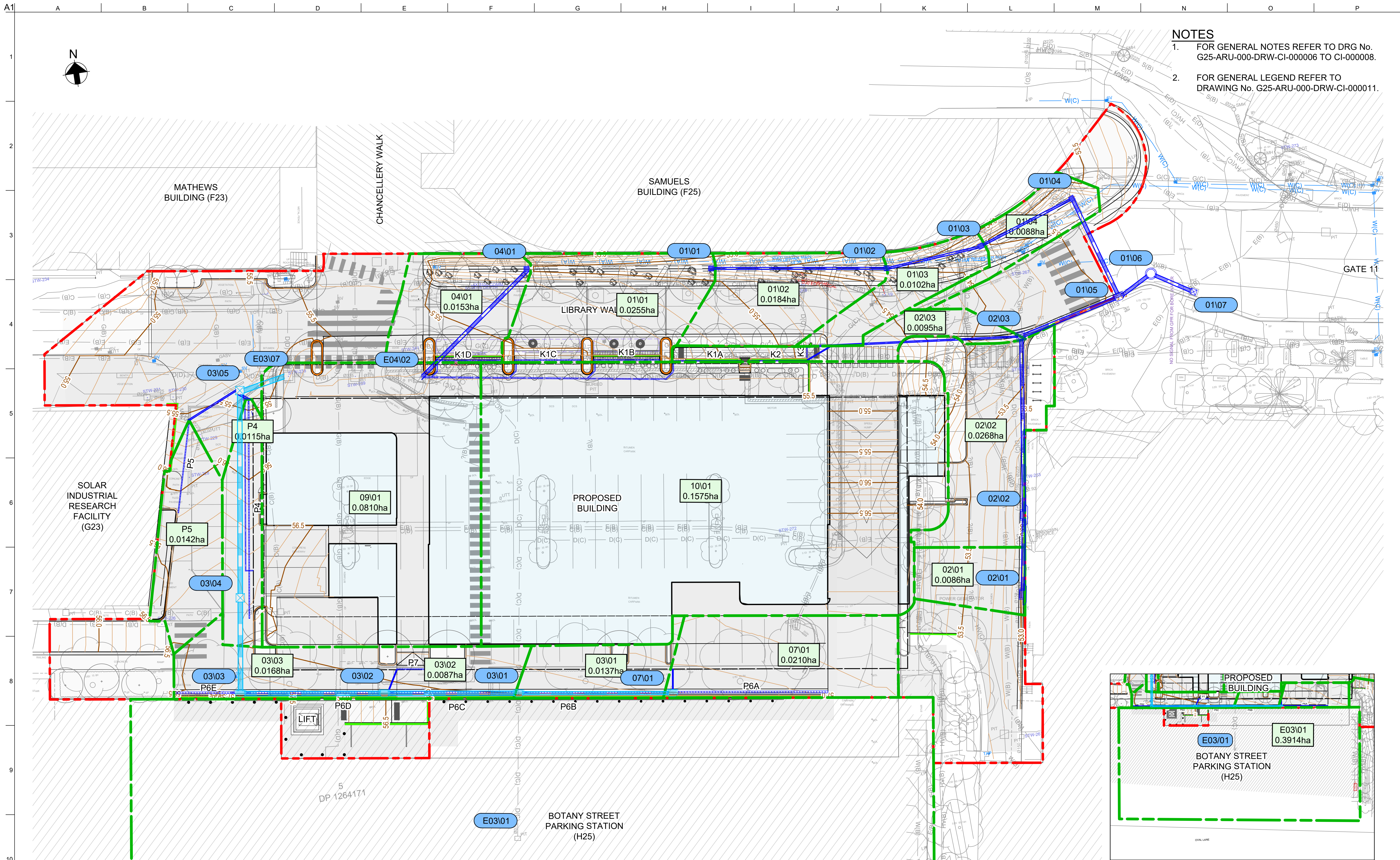
## Appendix A

### Stormwater Plan and Catchment Plan

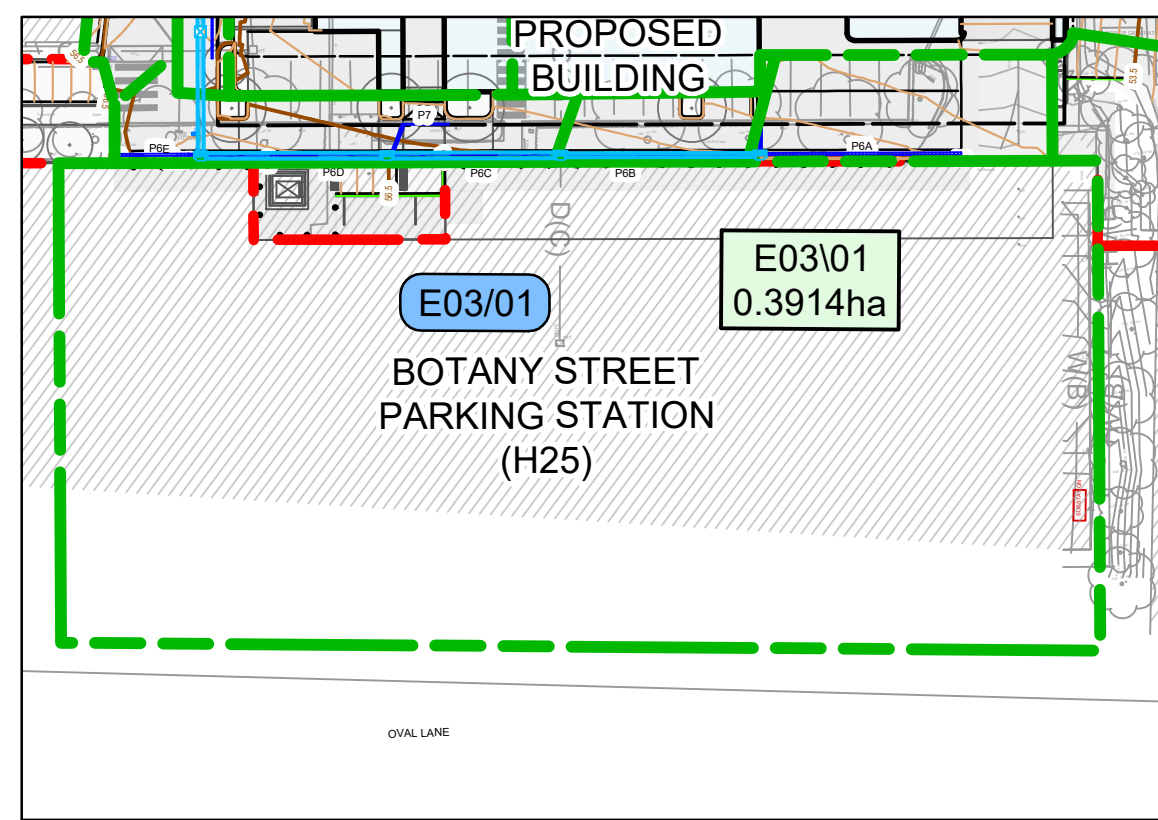


4. CERTAIN INFRASTRUCTURE IMPROVEMENTS, INCLUDING STORMWATER PIPE DIVERSION, ARE SUBJECT TO SEPARATE APPROVAL AND ARE NOT SUBJECT TO THIS CONSENT.

|                                  |                   |
|----------------------------------|-------------------|
| Scale at A1                      | 1:200m            |
| Role                             | CIVIL             |
| Status                           | DD TENDER         |
| Arup Job No<br><b>304141-00</b>  | Rev<br><b>T04</b> |
| ID                               |                   |
| <b>G25-ARU-000-DRW-CI-000601</b> |                   |

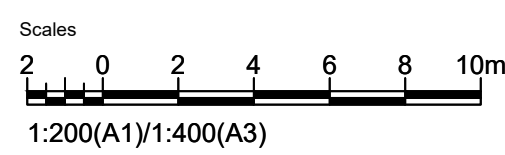


- NOTES**
- FOR GENERAL NOTES REFER TO DRG No. G25-ARU-000-DRW-CI-000006 TO CI-000008.
  - FOR GENERAL LEGEND REFER TO DRAWING No. G25-ARU-000-DRW-CI-000011.



**INSET**  
NTS  
**NOT FOR CONSTRUCTION**

REFER INSET  
CATCHMENT E6-1 CONTINUES TO THE SOUTHERN EXTENT OF THE BOTANY STREET PARKING STATION



1:200(A1)/1:400(A3)

Do not scale

| Issue | Date     | Description            |
|-------|----------|------------------------|
| T03   | 01/09/25 | DD TENDER PACKAGE 02   |
| T02   | 25/07/25 | DD TENDER PACKAGE 01   |
| T01   | 15/07/25 | DD TENDER PACKAGE 01   |
| A     | 05/06/25 | 50% DESIGN DEVELOPMENT |



Client



Project Title  
**UNSW G25  
EDUCATION BUILDING**

Engineering Certification (CEng)  
Name: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Drawing Title  
**STORMWATER  
CATCHMENT  
PLAN**

Drawn  
**PEDRO ACERO**  
Designed  
**RAMIYRA RAVINDRAN**

Design Check  
**EMILY FULLER**  
Approved  
**KAREN SEETO**

|             |                           |
|-------------|---------------------------|
| Scale at A1 | 1:200m                    |
| Role        | CIVIL                     |
| Status      | DD TENDER                 |
| Arup Job No | 304141-00                 |
| Rev         | T03                       |
| ID          | G25-ARU-000-DRW-CI-000611 |

Coordinate System GDA 2020 MGA 56

Height Datum AHD

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