








- LEGEND:
- |   |   |  |  |
|---|---|--|--|
|   |   |  | Extent of Works<br>Confirm with Project Manager  |
| EX  | <u>22.200</u>   |  | Existing Level (EX)<br>To be retained  |
| RL  | <u>22.300</u>   |  | New Finished<br>Surface Level  |
| TK  | <u>22.300</u>   |  | Existing Top of Kerb<br>Level  |
| TOW   | <u>22.300</u>   |  | Top of Wall (TOW)  |
| BR  | <u>22.300</u>   |  | Top of Backrest<br>Finished Level (BR)   |
|  | 1:21 Fall (ex)  |  | Existing Fall (ex)<br>To be retained.<br>Review onsite with the Civil<br>Engineer & Superintendent<br>prior to construction. |
|  | 1:21 Fall   |  | Proposed<br>Gradient / Fall  |
|   |  |  | Step Up Surface<br>(Stair)   |
|   |  |  | Flush Surface  |

NOTE:

- All proposed levels are to be marked up by Contractor & approved by Landscape Architect prior to construction.
- All existing & proposed levels are to be reviewed existing by Contractor & notify the consultant team with any discrepancies prior to construction.
- All civil stormwater pipes, grades & conduits refer to Civil Engineer's documentation.
- All service pipes, grades & conduits refer to Service/Electrical Engineer's documentation.
- Drainage inspection location refer to Hydraulic/Civil Engineer's Documentation.
- Final location and levels of all services pipes & conduits refer to Civil Engineer's documentation. Confine with the engineers and architect on site prior to construction.
- Blue dash lines indicate existing services below ground. Refer Existing Services CAD Plan from the Superintendent prior to any works.


[illegible]

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Project


**THE UNIVERSITY OF  
SYDNEY ETP STAGE 1**

Electrical Engineering Building  
University in Darlington, NSW 2008

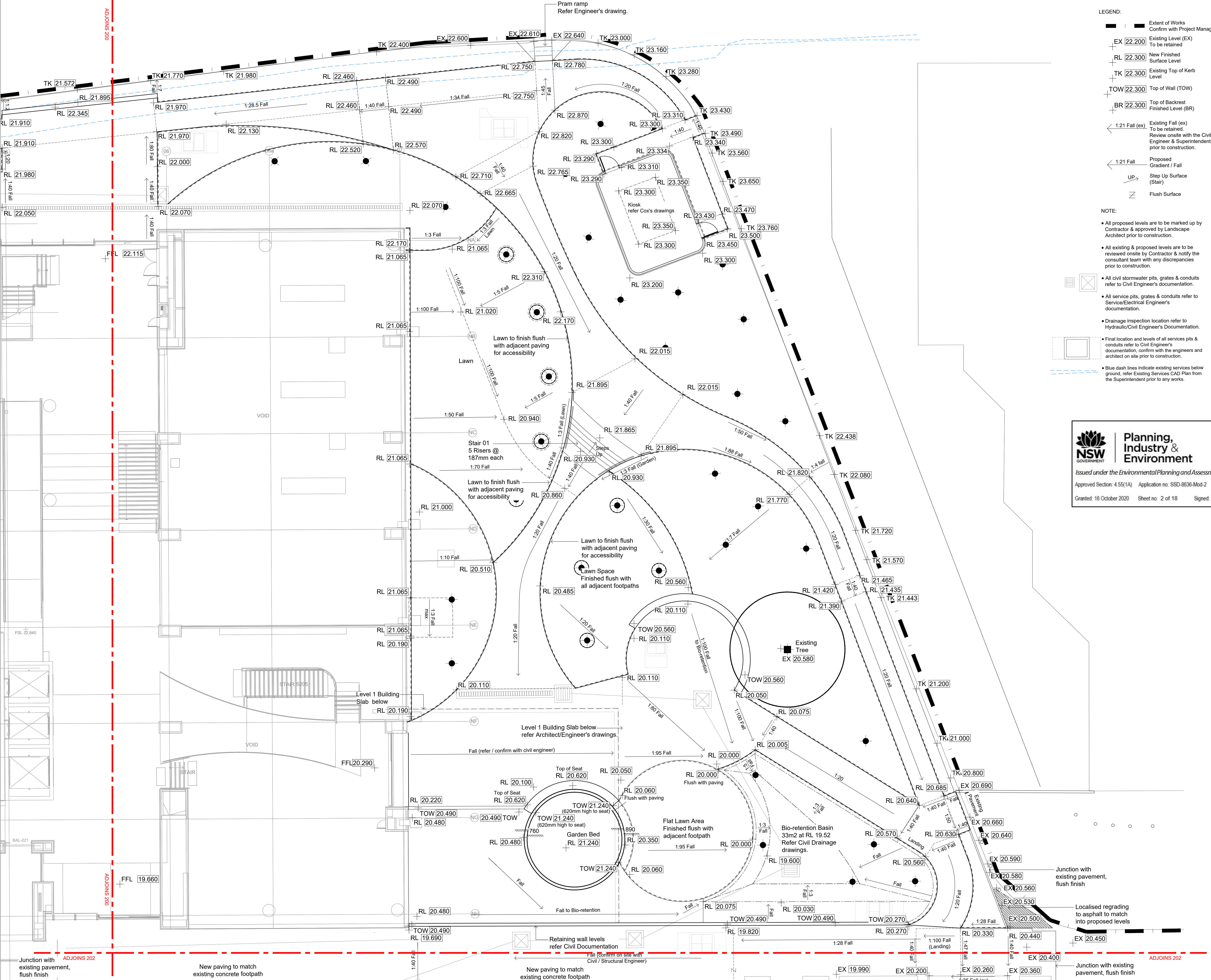
Grading Plan 01  
Southern Courtyard

Document Control Status:

FOR APPROVAL

<b>Project Number:</b>	215132.00	<b>Drawn:</b>	DH / SK
<b>Co-ordinated:</b>	SB	<b>Scale:</b>	1: 100 @ B1
<b>Project Architect:</b>	TCL	<b>Date:</b>	17/09/2020
<b>Project Director:</b>	DS	<b>Revision:</b>	D
<b>Drawing Number:</b>	K33-TCL-DRG-00200	<b>North:</b>	





LEGEND:

- Extent of Works
- Confirm with Project Manager
- Existing Level (EX)
- To be retained
- New Finished Surface Level
- Existing Top of Kerb Level
- Top of Wall (TOW)
- Top of Backrest Finished Level (BR)
- Existing Fall (ex)
- To be retained. Review onsite with the Civil Engineer & Superintendent prior to construction.
- Proposed Gradient / Fall
- Step Up Surface (Stair)
- Flush Surface

- NOTE:
- All proposed levels are to be marked up by Contractor & approved by Landscape Architect prior to construction.
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**NSW** GOVERNMENT  
**Planning, Industry & Environment**  
Issued under the Environmental Planning and Assessment Act 1979  
Approved Section 4.55(1A) Application no: SSD-8636-Mod-2  
Granted: 16 October 2020 Sheet no: 2 of 18 Signed: [Signature]

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Rev	Description	By	Date
C1	FOR CONSTRUCTION	SS	30/10/2019
C2	UPDATED LEVELS TO MATCH CIVIL DWG	SK	13/12/2019
C3	ONE MINOR GRADING CORRECTION	SK	08/01/2020
C4	ANNOTATION CLARITY	SK	23/01/2020
C5	UPDATED SERVICE KIOSK LEVELS	SK	06/03/2020
C6	FOR CONSTRUCTION	SK	11/07/2020
C7	FOR CONSTRUCTION	SK	25/08/2020
D1	FOR APPROVAL	SK	17/09/2020

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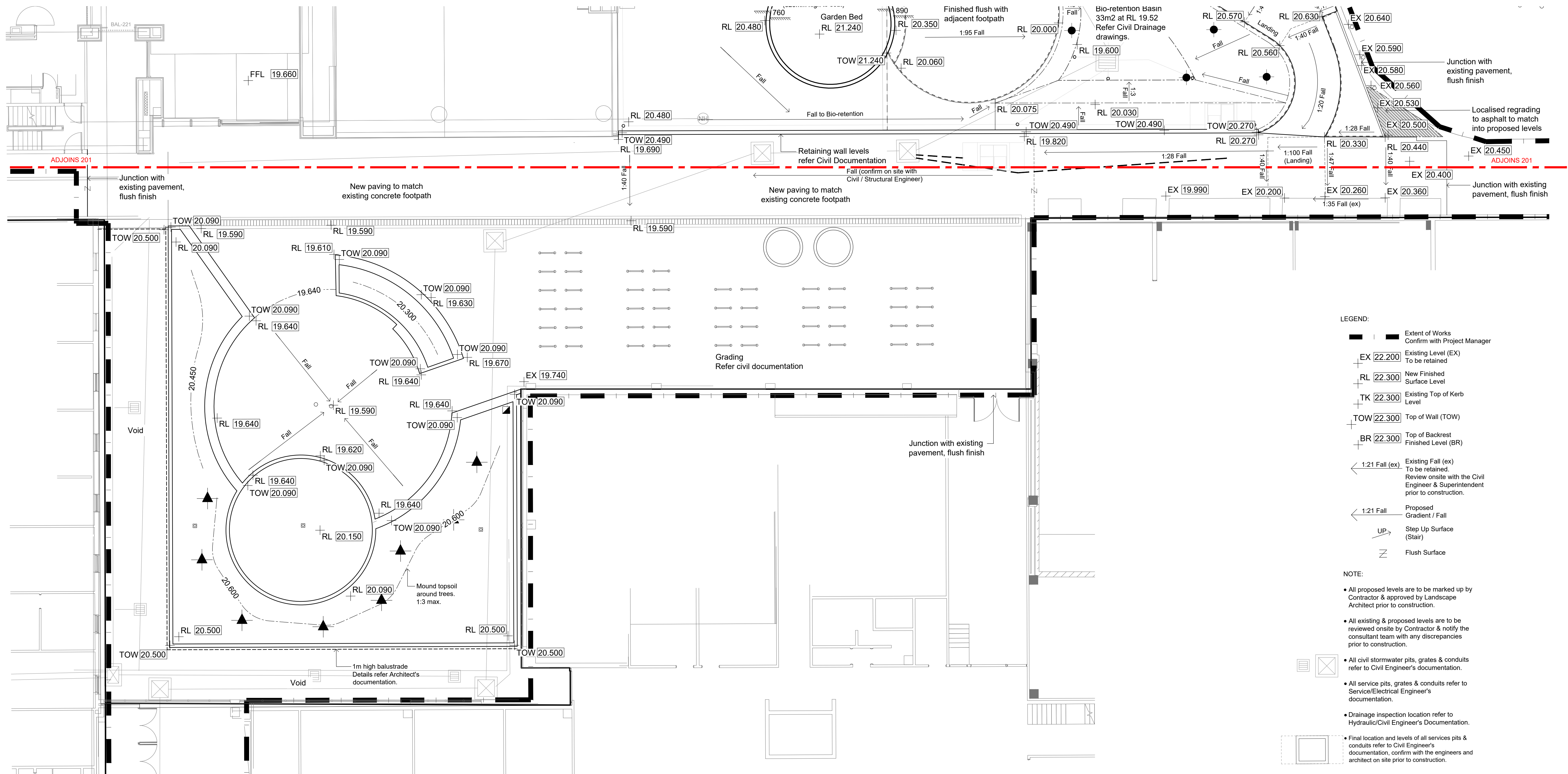
Project  
**THE UNIVERSITY OF SYDNEY ETP STAGE 1**  
Electrical Engineering Building  
University in Darlington, NSW 2008

Drawing Title  
**Grading Plan 02**  
**Northern Courtyard**

Document Control Status:  
**FOR APPROVAL**

Project Number:	21513200	Drawn:	DH / SK
Co-ordinated:	SB	Scale:	1 : 100 @ B1
Project Architect:	TCL	Date:	17/09/2020
Project Director:	DS	Revision:	D1
Drawing Number:	K33-TCL-DRG-00201	North:	





- LEGEND:
- Extent of Works Confirm with Project Manager
  - EX 22.200 Existing Level (EX) To be retained
  - RL 22.300 New Finished Surface Level
  - TK 22.300 Existing Top of Kerb Level
  - TOW 22.300 Top of Wall (TOW)
  - BR 22.300 Top of Backrest Finished Level (BR)
  - 1:21 Fall (ex) Existing Fall (ex) To be retained. Review onsite with the Civil Engineer & Superintendent prior to construction.
  - 1:21 Fall Proposed Gradient / Fall
  - UP Step Up Surface (Stair)
  - Flush Surface
- NOTE:
- All proposed levels are to be marked up by Contractor & approved by Landscape Architect prior to construction.
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  - Final location and levels of all services pits & conduits refer to Civil Engineer's documentation, confirm with the engineers and architect on site prior to construction.

**NSW GOVERNMENT** | **Planning, Industry & Environment**  
Issued under the Environmental Planning and Assessment Act 1979  
Approved Section: 4.55(1A) Application no: SSD-8636-Mod-2  
Granted: 16 October 2020 Sheet no: 3 of 18 Signed: *[Signature]*

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Rev	Description	By	Date
C1	FOR CONSTRUCTION	SS	30/10/2019
C2	ANNOUATION CLARITY	SK	23/01/2020
C3	FOR CONSTRUCTION	SK	31/07/2020
C4	FOR CONSTRUCTION	SK	25/08/2020
D1	FOR APPROVAL	SK	17/09/2020

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Project

**THE UNIVERSITY OF SYDNEY ETP STAGE 1**

Electrical Engineering Building  
University in Darlingtown, NSW 2008

Drawing Title

**Grading Plan 03  
Eastern Courtyard**

Document Control Status:

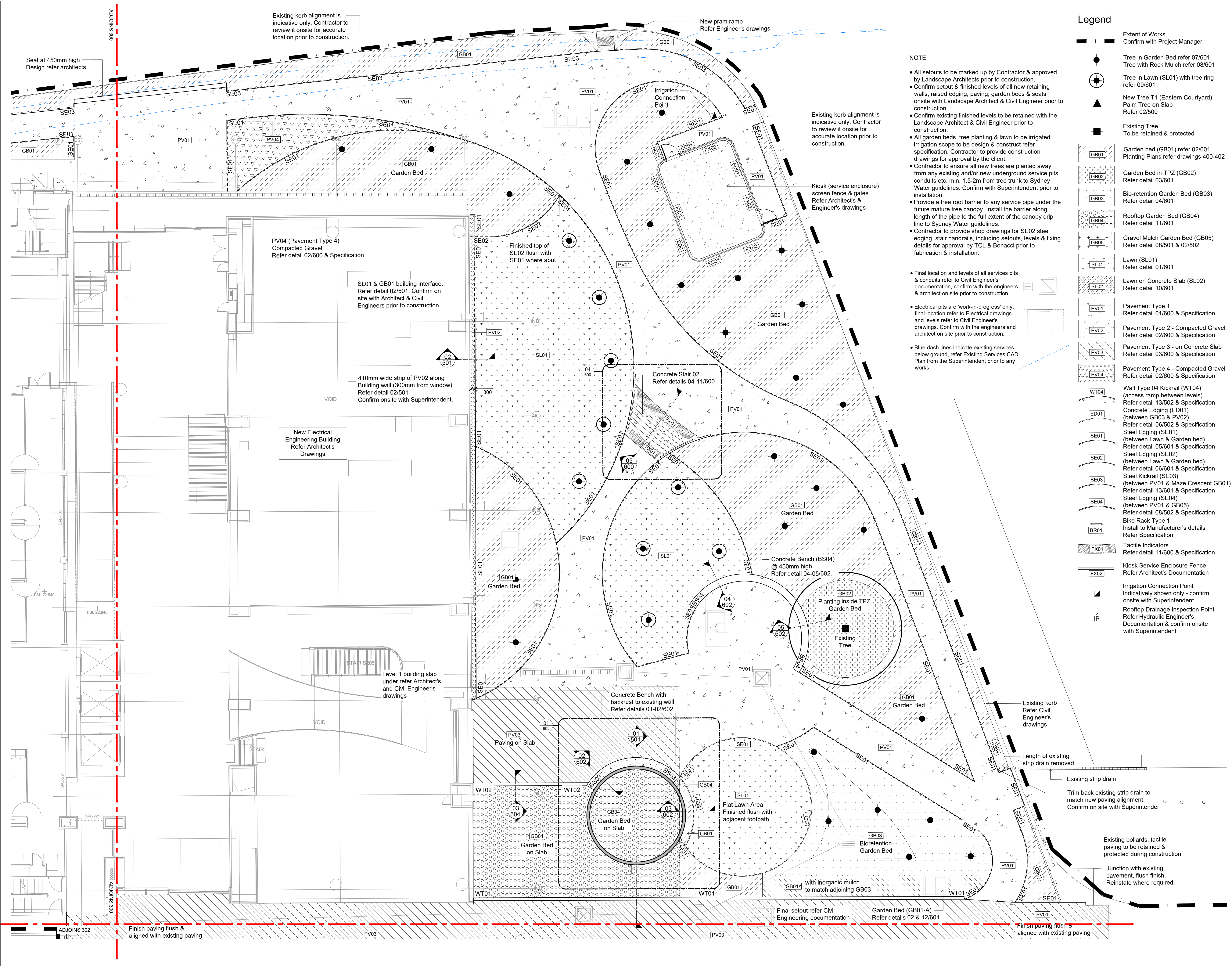
**FOR APPROVAL**

Project Number:	21513200	Drawn:	DH / SK
Co-ordinated:	SB	Scale:	1 : 100 @ B1
Project Architect:	TCL	Date:	17/09/2020
Project Director:	DS	Revision:	D1
Drawing Number:		North:	
K33-TCL-LAS-DRG-00202			









Legend

- Extent of Works  
Confirm with Project Manager
- Tree in Garden Bed refer 07/601  
Tree with Rock Mulch refer 08/601
- Tree in Lawn (SL01) with tree ring refer 09/601
- New Tree T1 (Eastern Courtyard)  
Palm Tree on Slab  
Refer 02/500
- Existing Tree  
To be retained & protected
- Garden bed (GB01) refer 02/601  
Planting Plans refer drawings 400-402
- Garden Bed in TPZ (GB02)  
Refer detail 03/601
- Bio-retention Garden Bed (GB03)  
Refer detail 04/601
- Rooftop Garden Bed (GB04)  
Refer detail 11/601
- Gravel Mulch Garden Bed (GB05)  
Refer detail 08/501 & 02/502
- Lawn (SL01)  
Refer detail 01/601
- Lawn on Concrete Slab (SL02)  
Refer detail 10/601
- Pavement Type 1  
Refer detail 01/600 & Specification
- Pavement Type 2 - Compacted Gravel  
Refer detail 02/600 & Specification
- Pavement Type 3 - on Concrete Slab  
Refer detail 03/600 & Specification
- Pavement Type 4 - Compacted Gravel  
Refer detail 02/600 & Specification
- Wall Type 04 Kickrail (WT04)  
(access ramp between levels)  
Refer detail 13/502 & Specification
- Concrete Edging (ED01)  
(between GB03 & PV02)  
Refer detail 06/502 & Specification
- Steel Edging (SE01)  
(between Lawn & Garden bed)  
Refer detail 05/601 & Specification
- Steel Edging (SE02)  
(between Lawn & Garden bed)  
Refer detail 06/601 & Specification
- Steel Kickrail (SE03)  
(between PV01 & Maze Crescent GB01)  
Refer detail 13/601 & Specification
- Steel Edging (SE04)  
(between PV01 & GB05)  
Refer detail 08/502 & Specification
- Bike Rack Type 1  
Install to Manufacturer's details  
Refer Specification
- Tactile Indicators  
Refer detail 11/600 & Specification
- Kiosk Service Enclosure Fence  
Refer Architect's Documentation
- Irrigation Connection Point  
Indicatively shown only - confirm  
onsite with Superintendent.
- Rooftop Drainage Inspection Point  
Refer Hydraulic Engineer's  
Documentation & confirm onsite  
with Superintendent

- NOTE:
- All setbacks to be marked up by Contractor & approved by Landscape Architects prior to construction.
  - Confirm setback & finished levels of all new retaining walls, raised edging, paving, garden beds & seats onsite with Landscape Architect & Civil Engineer prior to construction.
  - Confirm existing finished levels to be retained with the Landscape Architect & Civil Engineer prior to construction.
  - All garden beds, tree planting & lawn to be irrigated. Irrigation scope to be design & construct refer specification. Contractor to provide construction drawings for approval by the client.
  - Contractor to ensure all new trees are planted away from any existing and/or new underground service pits, conduits etc. min. 1.5-2m from tree trunk to Sydney Water guidelines. Confirm with Superintendent prior to installation.
  - Provide a tree root barrier to any service pipe under the future mature tree canopy. Install the barrier along length of the pipe to the full extent of the canopy drip line to Sydney Water guidelines.
  - Contractor to provide shop drawings for SE02 steel edging, stair handrails, including setbacks, levels & fixing details for approval by TCL & Bonacci prior to fabrication & installation.
  - Final location and levels of all services pits & conduits refer to Civil Engineer's documentation, confirm with the engineers & architect on site prior to construction.
  - Electrical pits are 'work-in-progress' only, final location refer to Electrical drawings and levels refer to Civil Engineer's drawings. Confirm with the engineers and architect on site prior to construction.
  - Blue dashed lines indicate existing services below ground, refer Existing Services CAD Plan from the Superintendent prior to any works.

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Rev	Description	By	Date
C1	FOR CONSTRUCTION	SS	30/10/2019
C2	FOR CONSTRUCTION	SK	23/01/2020
C3	AMEND ED02 TO WT01/WT02	SK	31/01/2020
C4	FOR CONSTRUCTION	SK	31/07/2020
C5	FOR CONSTRUCTION	SK	25/08/2020
D1	FOR APPROVAL	SK	17/09/2020

**Planning, Industry & Environment**

Issued under the Environmental Planning and Assessment Act 1979

Approved Section: 4.55(1A) Application no: SSD-8636-Mod-2

Granted: 16 October 2020 Sheet no: 5 of 18 Signed: [Signature]

Landscape Architect

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Project:

**THE UNIVERSITY OF SYDNEY ETP STAGE 1**

Electrical Engineering Building  
University in Darlington, NSW 2008

Drawing Title

**Surfaces Plan 02  
Northern Courtyard**

Document Control Status:

**FOR APPROVAL**

Project Number: 21513200 Drawn: DH / SK

Co-ordinated: SB Scale: 1:100 @ B1

Project Architect: TCL Date: 17/09/2020

Project Director: DS Revision: D1

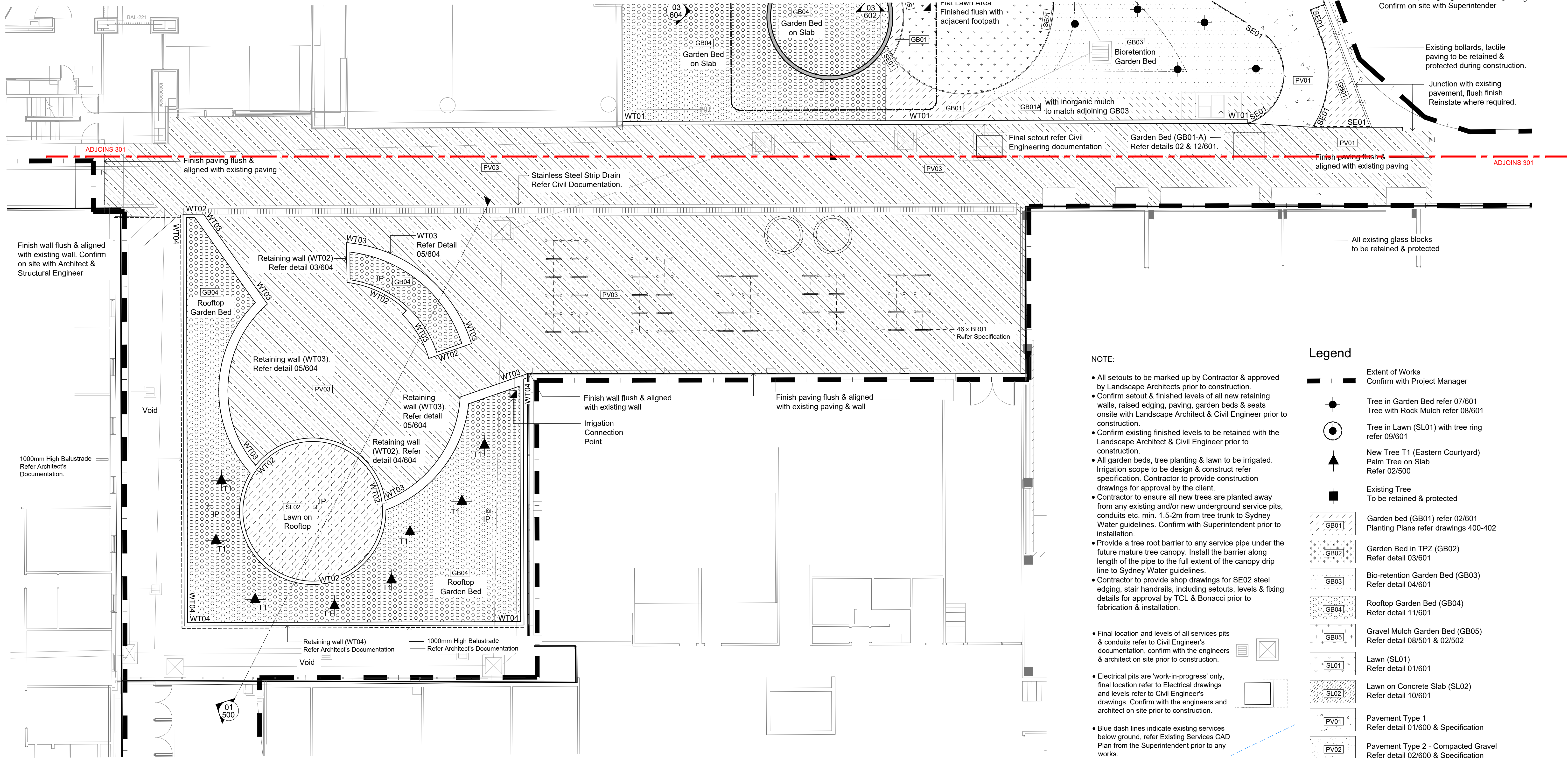
Drawing Number: North:

K33-TCL-LAS-DRG-00301

Cox Architecture Pty Ltd ACN 002 535 891

B1 DRAWING SHEET





NOTE:

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Tree with Rock Mulch refer 08/601
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Palm Tree on Slab  
Refer 02/500
- Existing Tree  
To be retained & protected
- Garden bed (GB01) refer 02/601  
Planting Plans refer drawings 400-402
- Garden Bed in TPZ (GB02)  
Refer detail 03/601
- Bio-retention Garden Bed (GB03)  
Refer detail 04/601
- Rooftop Garden Bed (GB04)  
Refer detail 11/601
- Gravel Mulch Garden Bed (GB05)  
Refer detail 08/501 & 02/502
- Lawn (SL01)  
Refer detail 01/601
- Lawn on Concrete Slab (SL02)  
Refer detail 10/601
- Pavement Type 1  
Refer detail 01/600 & Specification
- Pavement Type 2 - Compacted Gravel  
Refer detail 02/600 & Specification
- Pavement Type 3 - on Concrete Slab  
Refer detail 03/600 & Specification
- Pavement Type 4 - Compacted Gravel  
Refer detail 02/600 & Specification
- Wall Type 04 Kickrail (WT04)  
(access ramp between levels)  
Refer detail 13/502 & Specification  
Concrete Edging (ED01)  
(between GB03 & PV02)  
Refer detail 06/502 & Specification  
Steel Edging (SE01)  
(between Lawn & Garden bed)  
Refer detail 05/601 & Specification  
Steel Edging (SE02)  
(between Lawn & Garden bed)  
Refer detail 06/601 & Specification  
Steel Kickrail (SE03)  
(between PV01 & Maze Crescent GB01)  
Refer detail 13/601 & Specification  
Steel Edging (SE04)  
(between PV01 & GB05)  
Refer detail 08/502 & Specification  
Bike Rack Type 1  
Install to Manufacturer's details  
Refer Specification
- Tactile Indicators  
Refer detail 11/600 & Specification
- Kiosk Service Enclosure Fence  
Refer Architect's Documentation
- Irrigation Connection Point  
Indicatively shown only - confirm onsite with Superintendent.
- Rooftop Drainage Inspection Point  
Refer Hydraulic Engineer's Documentation & confirm onsite with Superintendent

**Planning, Industry & Environment**  
Issued under the Environmental Planning and Assessment Act 1979  
Approved Section: 4.55(1A) Application no: SSD-8636-Mod-2  
Granted: 16 October 2020 Sheet no: 6 of 18 Signed: [Signature]

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Rev	Description	By	Date
C1	FOR CONSTRUCTION	SS	30/10/2019
C2	FOR CLARITY	SK	23/01/2020
C3	FOR CONSTRUCTION	SK	31/07/2020
C4	FOR CONSTRUCTION	SK	25/08/2020
D1	FOR APPROVAL	SK	17/09/2020

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Project

**THE UNIVERSITY OF SYDNEY ETP STAGE 1**

Electrical Engineering Building  
University in Darlington, NSW 2008

Drawing Title

**Surfaces Plan 03  
Eastern Courtyard**

Document Control Status:

**FOR APPROVAL**

Project Number: 215132.00 Drawn: DH / SK

Co-ordinated: SB Scale: 1:100 @ B1

Project Architect: TCL Date: 17/09/2020

Project Director: DS Revision: D1

Drawing Number: K33-TCL-LAS-DRG-00302 North:

Cox Architecture Pty Ltd ACN 022 535 891 B1 DRAWING SHEET









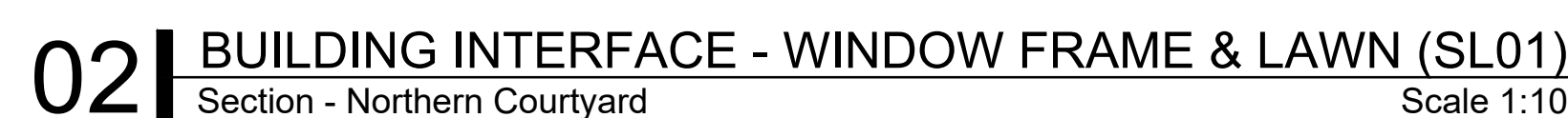
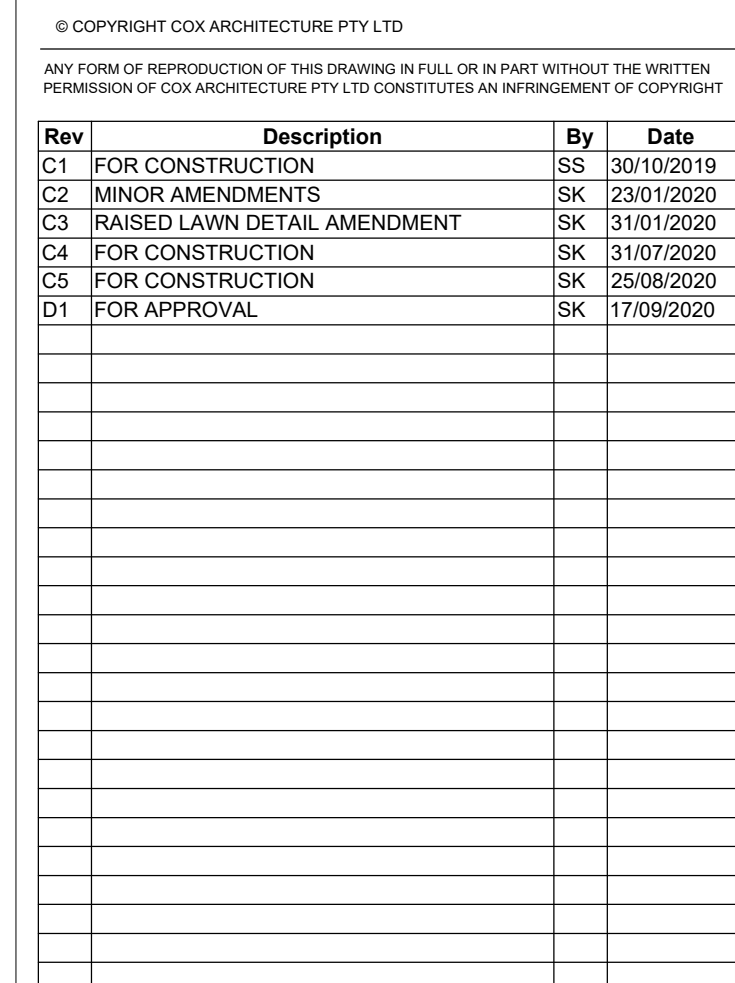












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<p>Consultants</p>	<p></p>
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<p>RCA CONSULTANTS</p>	<p><b>Stowe Watson &amp; Partners</b> Level 17, 456 Kent Street, Sydney NSW 2000 T +61 2 9283 6555    <a href="http://www.swpartners.com">www.swpartners.com</a></p>
<p>ACCESS CONSULTANTS</p>	<p><b>Code Performance</b> Suite 10, 185 Military Road Neutral Bay NSW 2089 T +61 2 9380 8738    <a href="http://www.codeperformance.com.au">www.codeperformance.com.au</a></p>
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<p>TRAFFIC ENGINEERS</p>	<p><b>GTA Consultants</b> Levels 5, 15 Havelock Street, Chatswood NSW 2067 T +61 2 8448 1800    <a href="http://www.gta.com.au/home">www.gta.com.au/home</a></p>
<p>HOSTALITY PL SYSTEMS ENGINEERS</p>	<p><b>Hositol Pty Limited</b> Unit 8/35 Highbrook, Gladstone NSW 2111 T +61 2 9816 3555    <a href="http://www.hositol.com">www.hositol.com</a></p>
<p>LABORATORY ANALYSTS</p>	<p><b>Jeff Freeman Associates</b> PO Box 643 Bundanoon NSW 2578 T +61 474 170 791</p>
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Project

**THE UNIVERSITY OF  
SYDNEY ETP STAGE 1**

Electrical Engineering Building  
University in Darlington, NSW 2008

Drawing Title

Sections 02  
Northern Courtyard Details

Document Control Status:

FOR APPROVAL

<b>Project Number:</b>	215132.00	<b>Drawn:</b>	SK
<b>Co-ordinated:</b>	SB / SK	<b>Scale:</b>	Varies @ B1
<b>Project Architect:</b>	TCL	<b>Date:</b>	17/09/2020
<b>Project Director:</b>	DS	<b>Revision:</b>	D1
<b>Drawing Number:</b>			
K33-TCL-LAS-DRG-00501			





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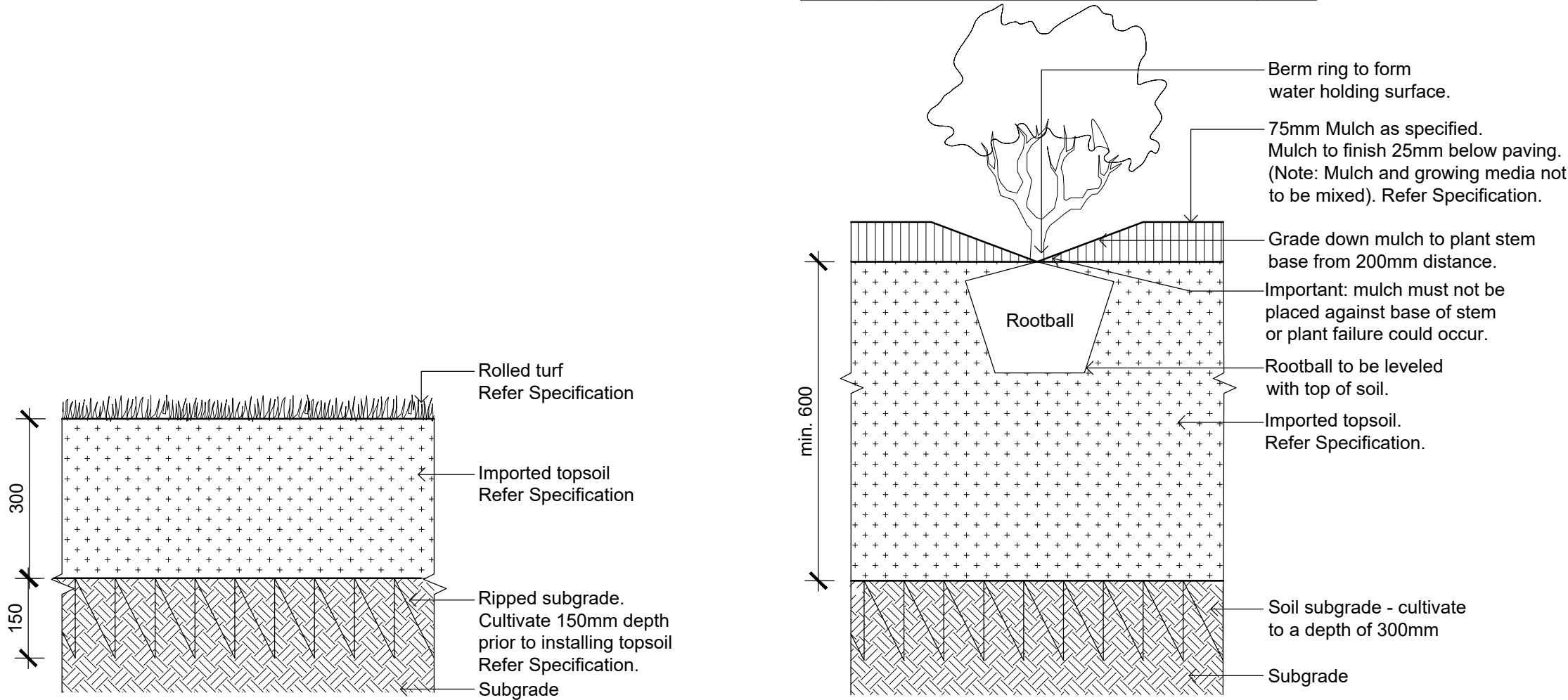
Project	
<p>THE UNIVERSITY OF SYDNEY ETP STAGE 1</p> <p>Electrical Engineering Building University in Darlingtong, NSW 2008</p>	
Drawing Title	
<p>Sections 03</p> <p>Southern Courtyard Details</p>	
Document Control Status:	
FOR APPROVAL	
Project Number:	215132.00
Co-ordinated:	SB / SK
Project Architect:	TCL
Project Director:	DS
Drawing Number:	
	K33-TCL-LAS-DRG-00502
Drawn:	SK
Scale:	Varies @ B1
Date:	17/09/2020
Revision:	D1



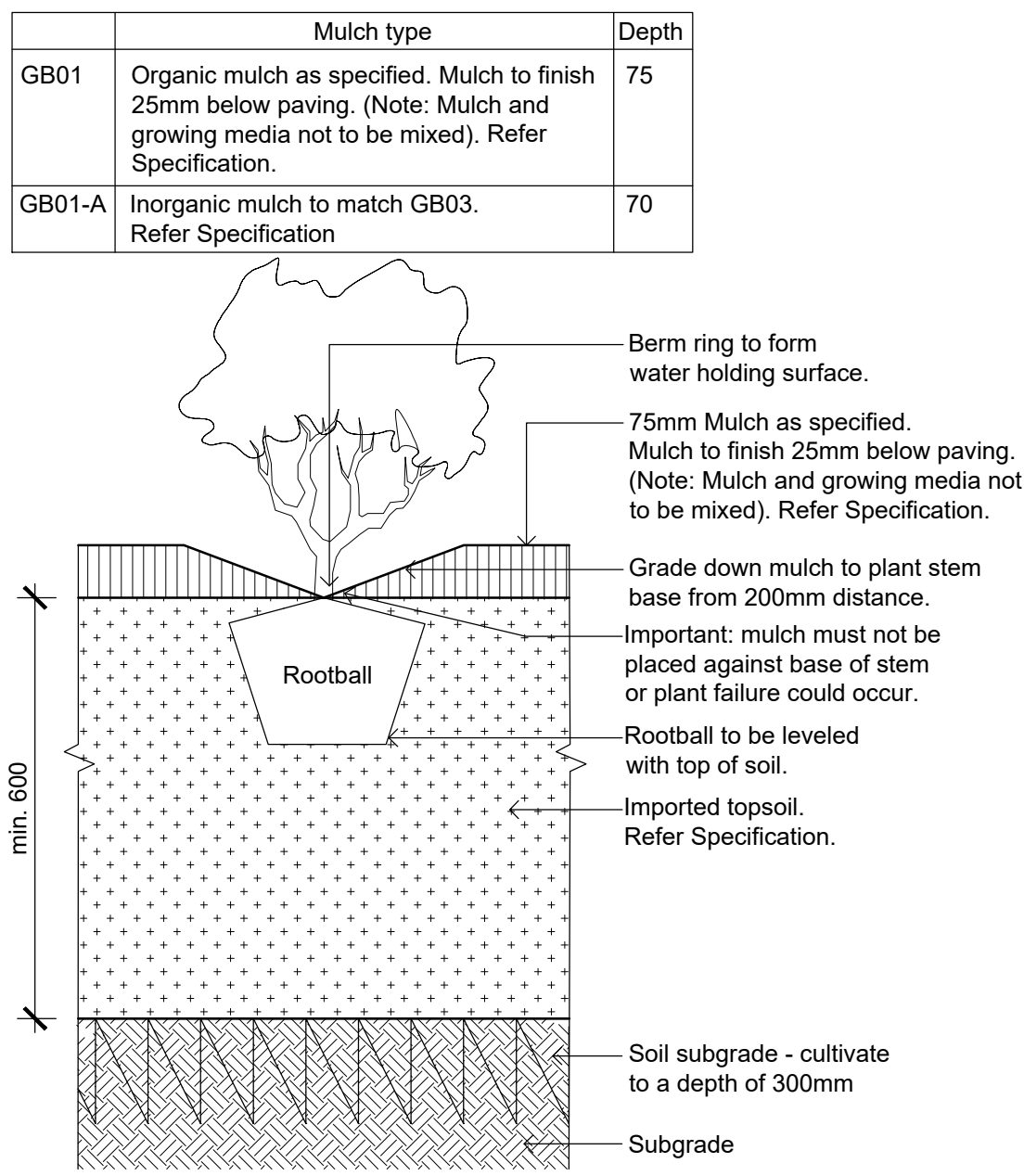




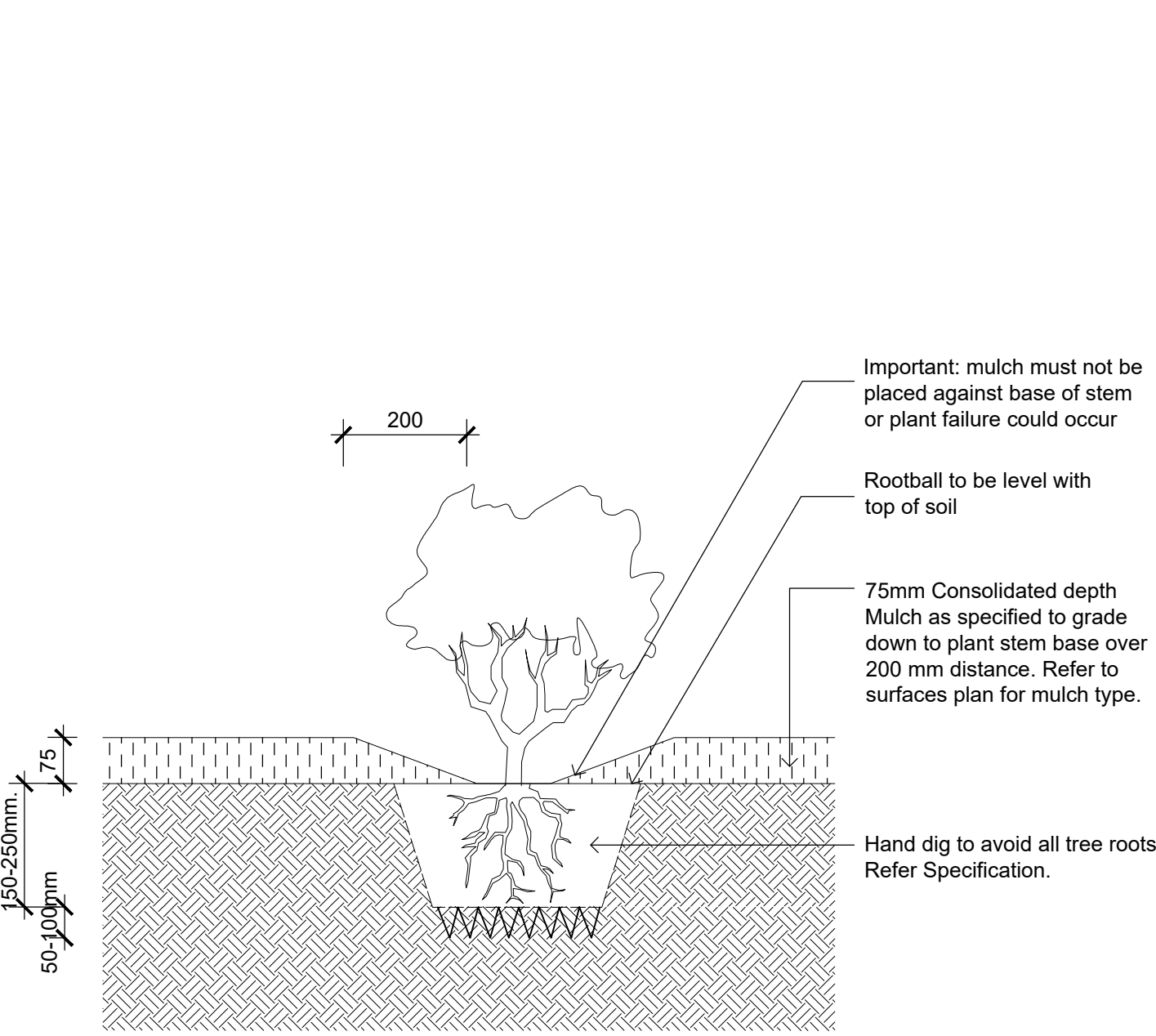
	Mulch type	Depth
GB01	Organic mulch as specified. Mulch to finish 25mm below paving. (Note: Mulch and growing media not to be mixed). Refer Specification.	75
GB01-A	Inorganic mulch to match GB03. Refer Specification	70



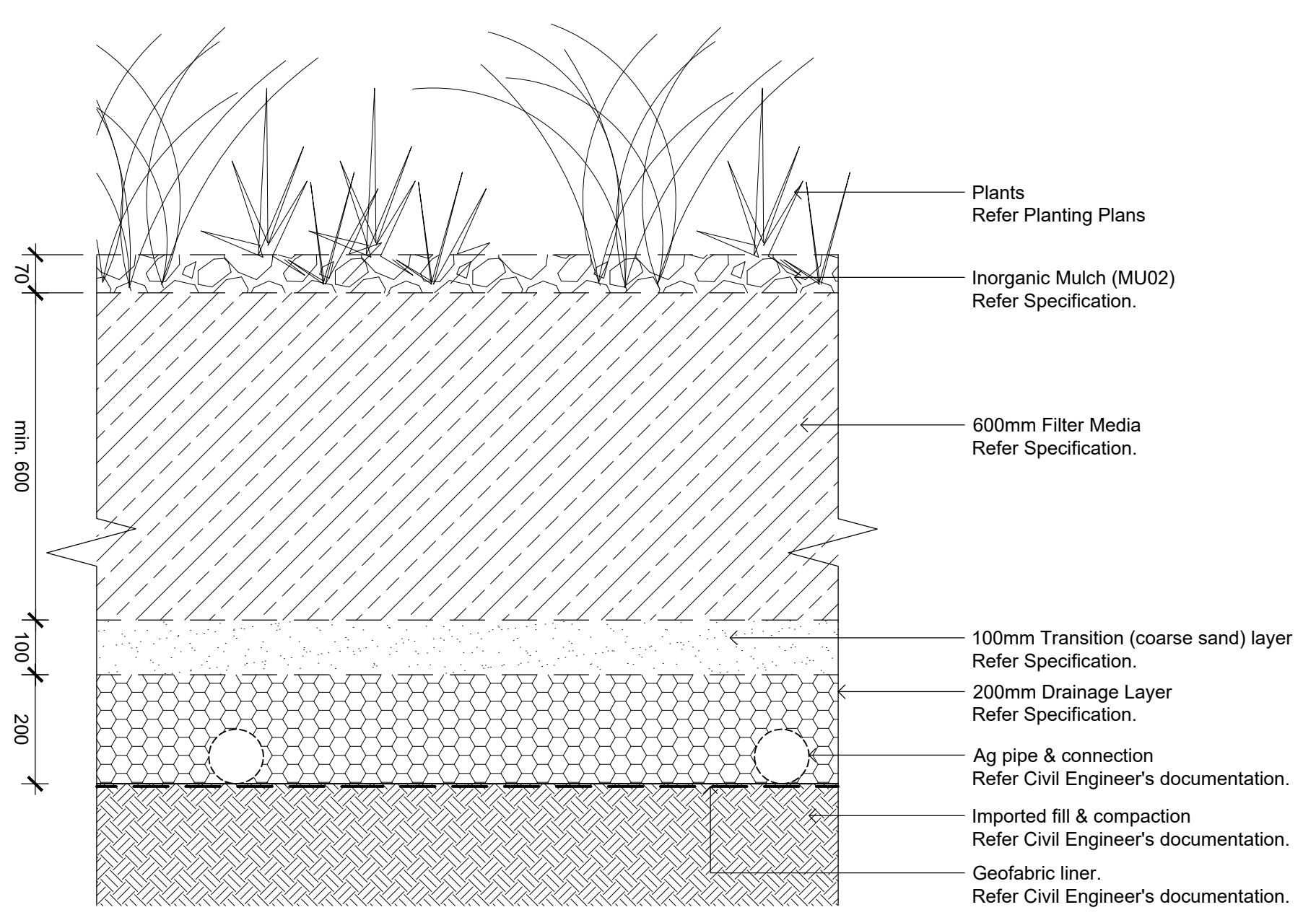
01 | SL01 - LAWN (ROLLED TURF)  
Section Scale 1:10



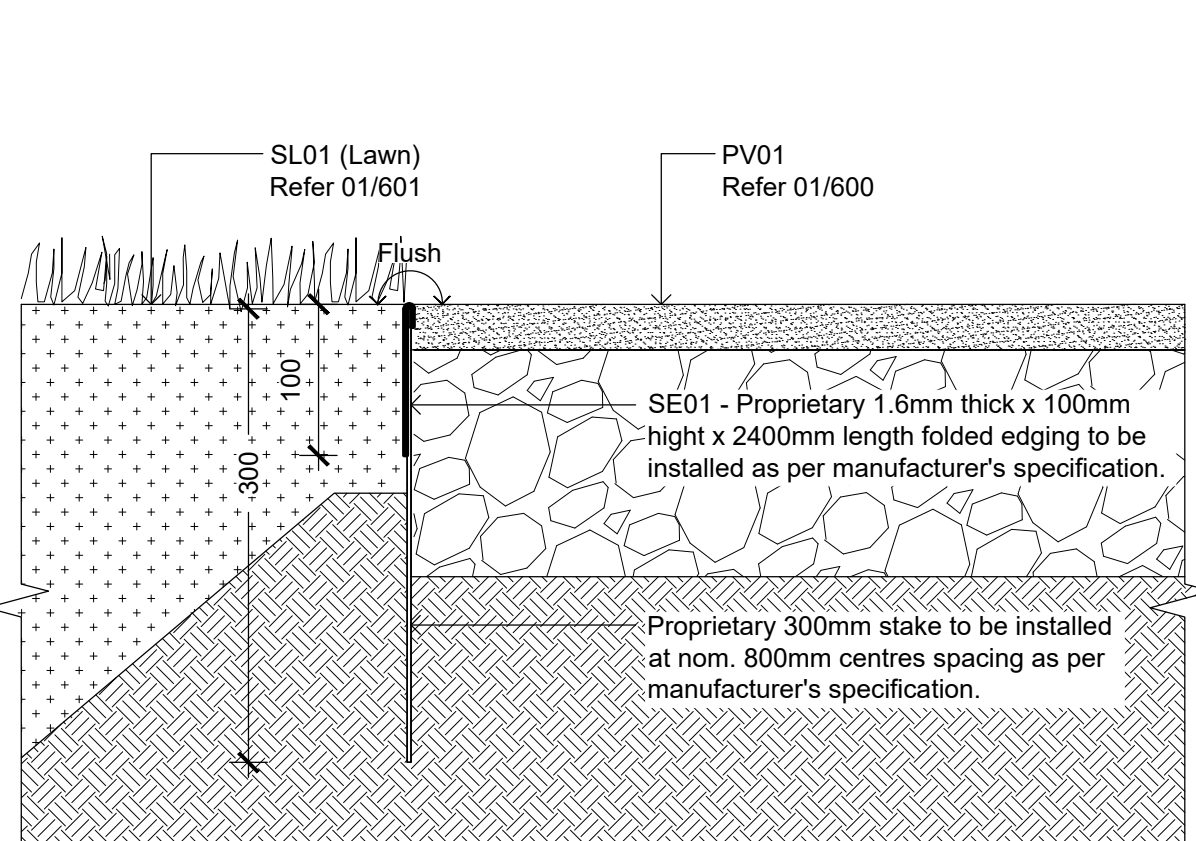
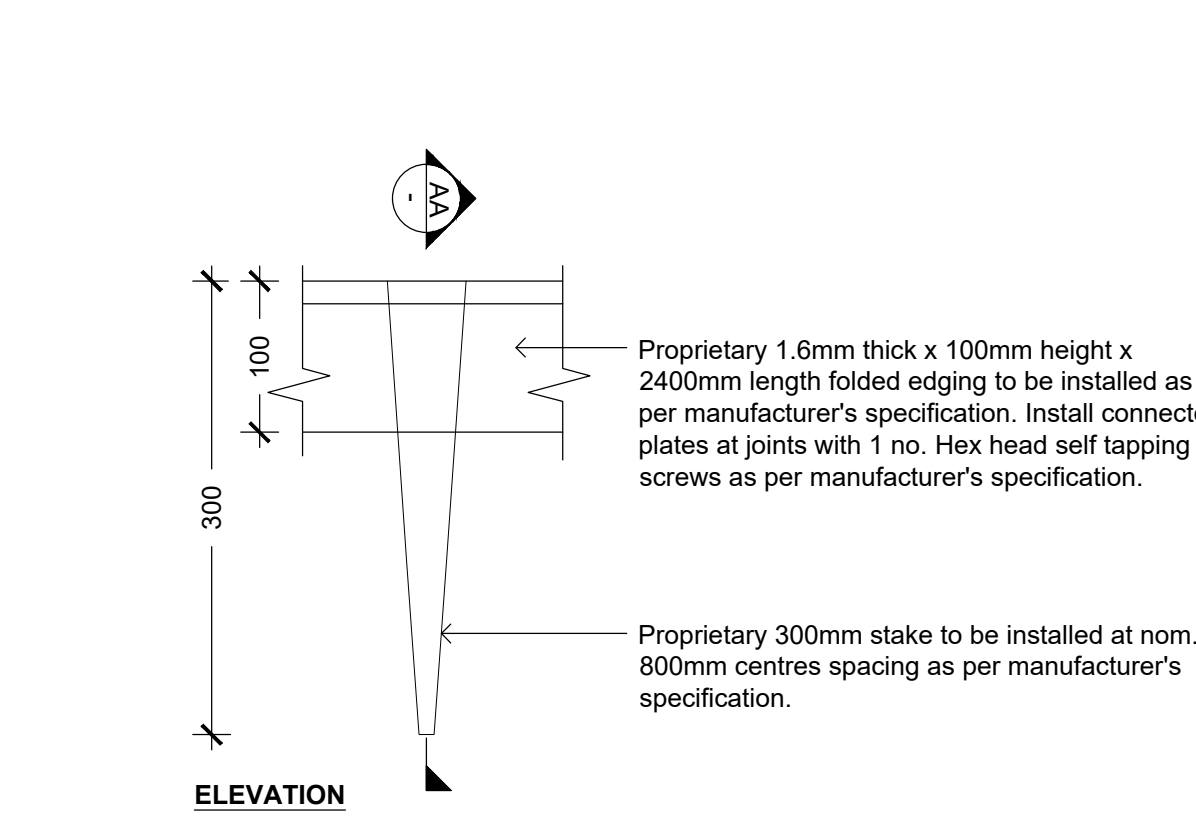
02 | GB01 / GB01-A - GARDEN BED  
Section Scale 1:10



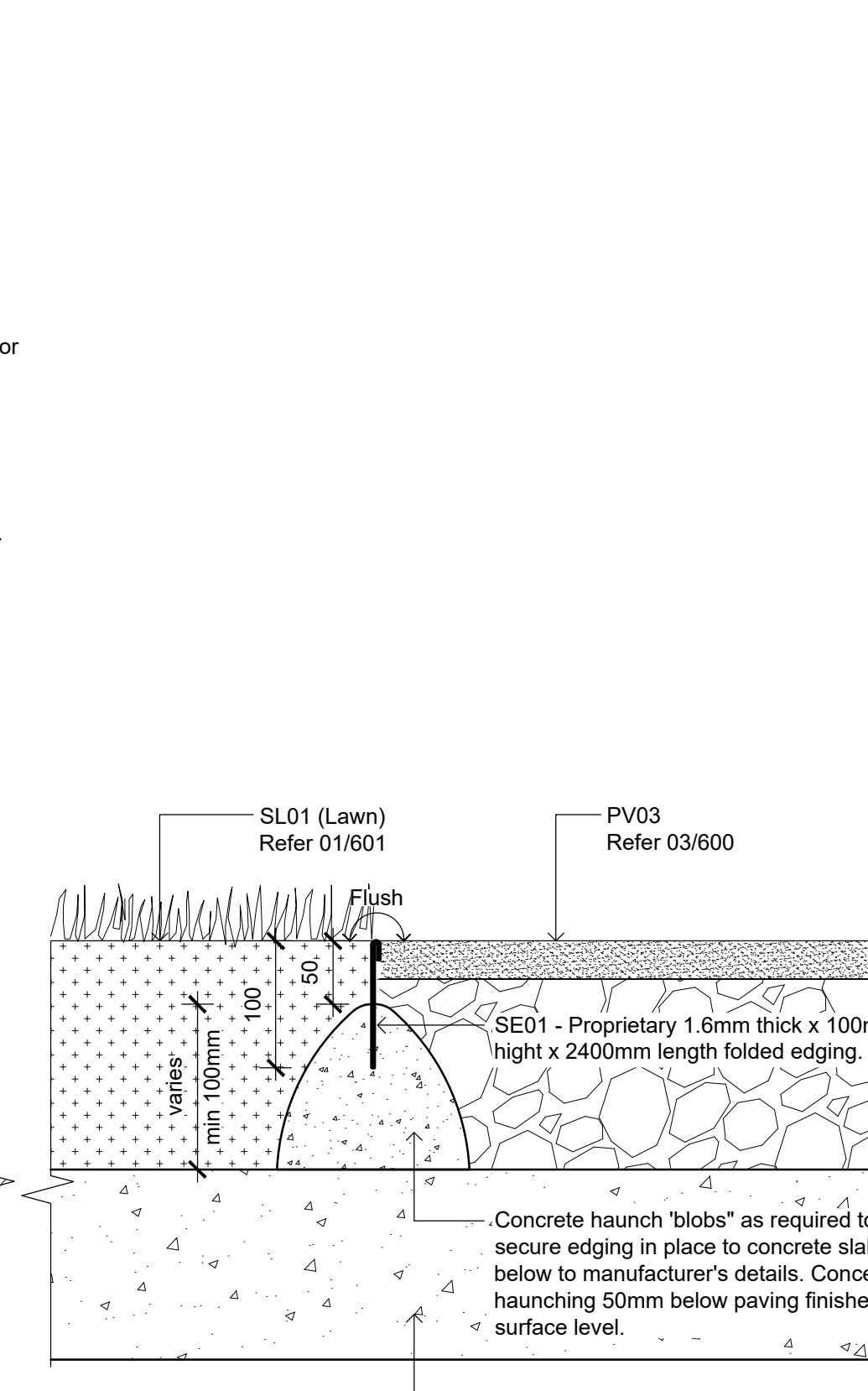
03 | GB02 - GARDEN BED IN TPZ  
Section Scale 1:10



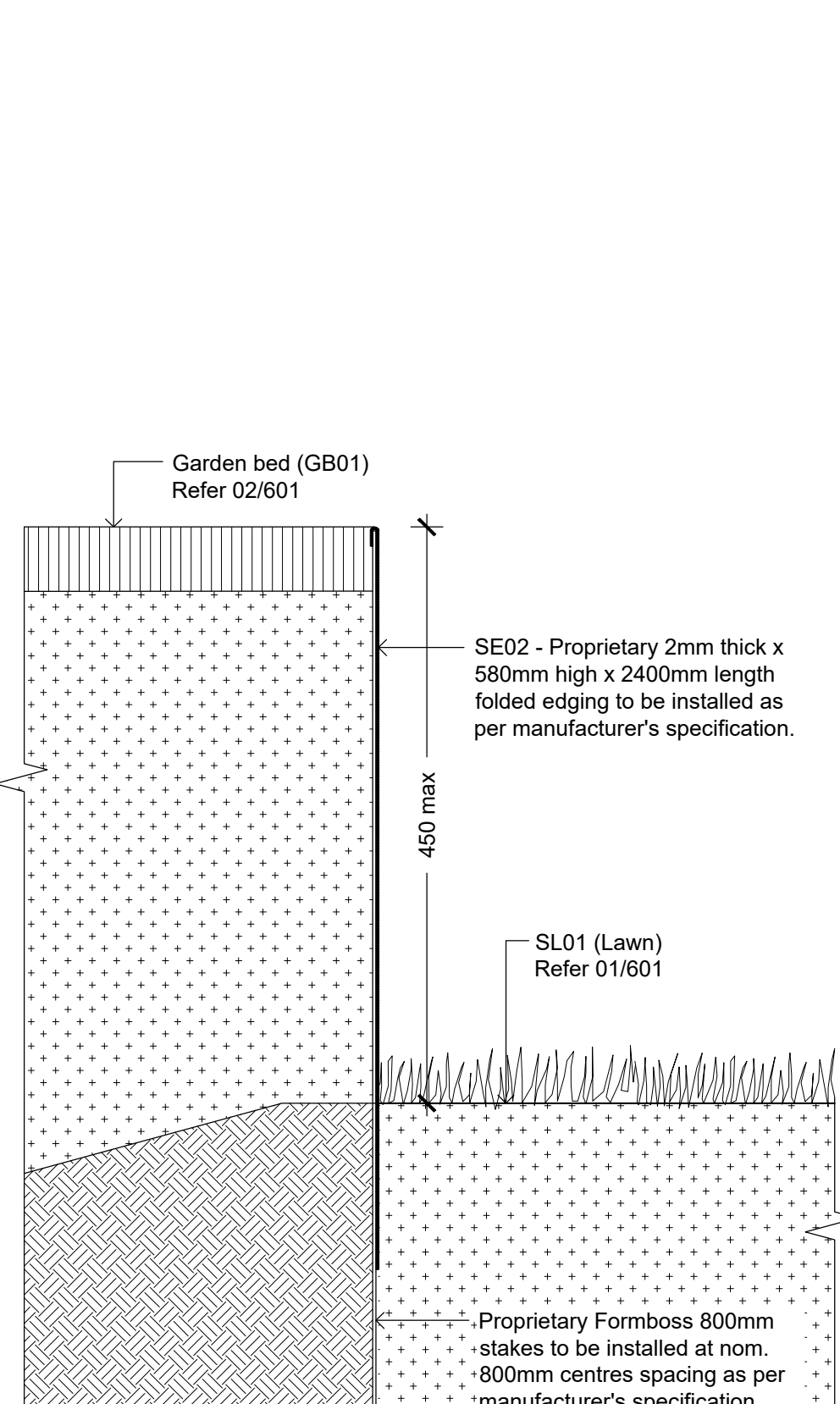
04 | GB03 - BIO-RETENTION GARDEN BED  
Section Scale 1:10



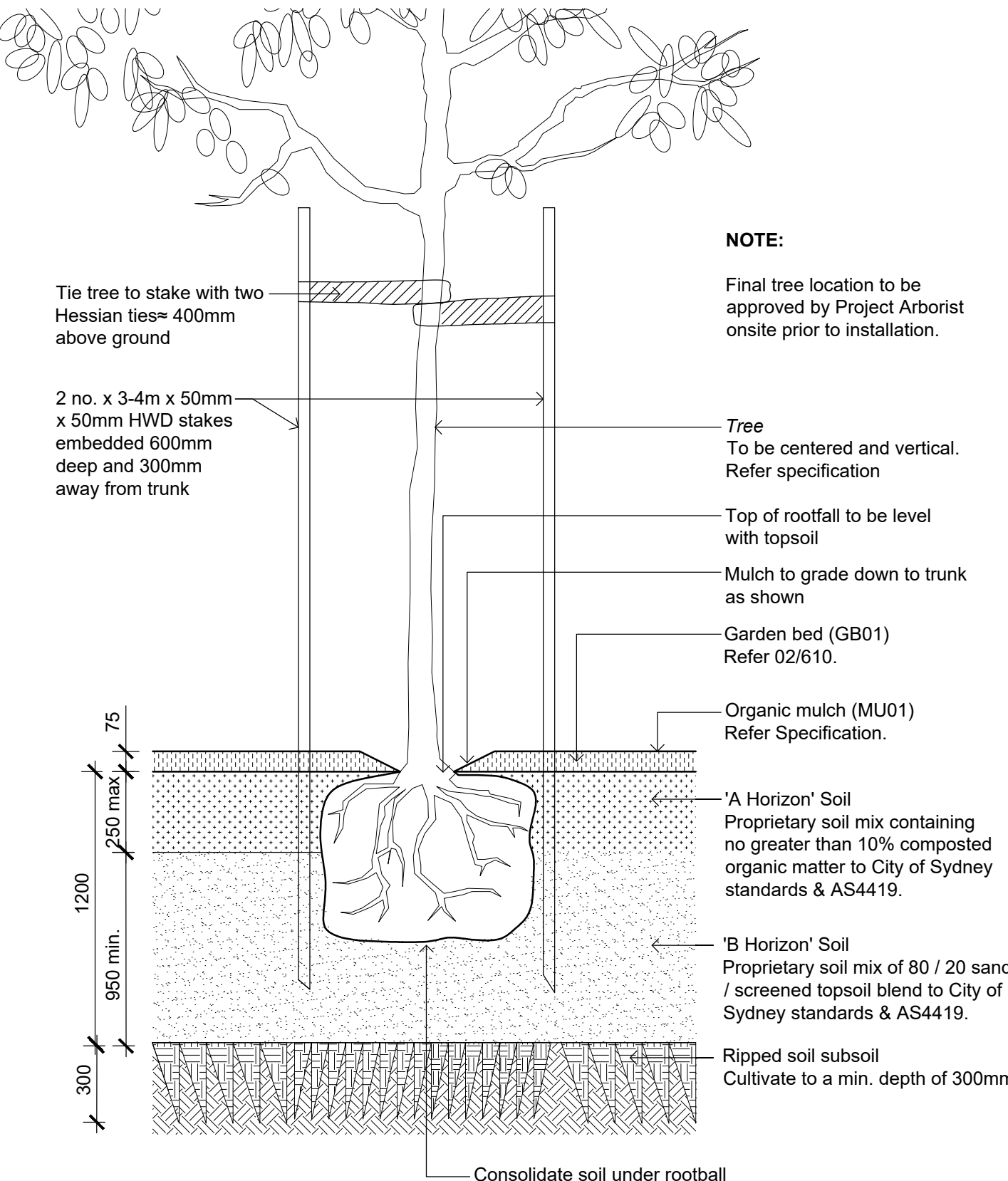
05 | SE01 - STEEL EDGING FOR PV01  
Elevation & Section Scale 1:5



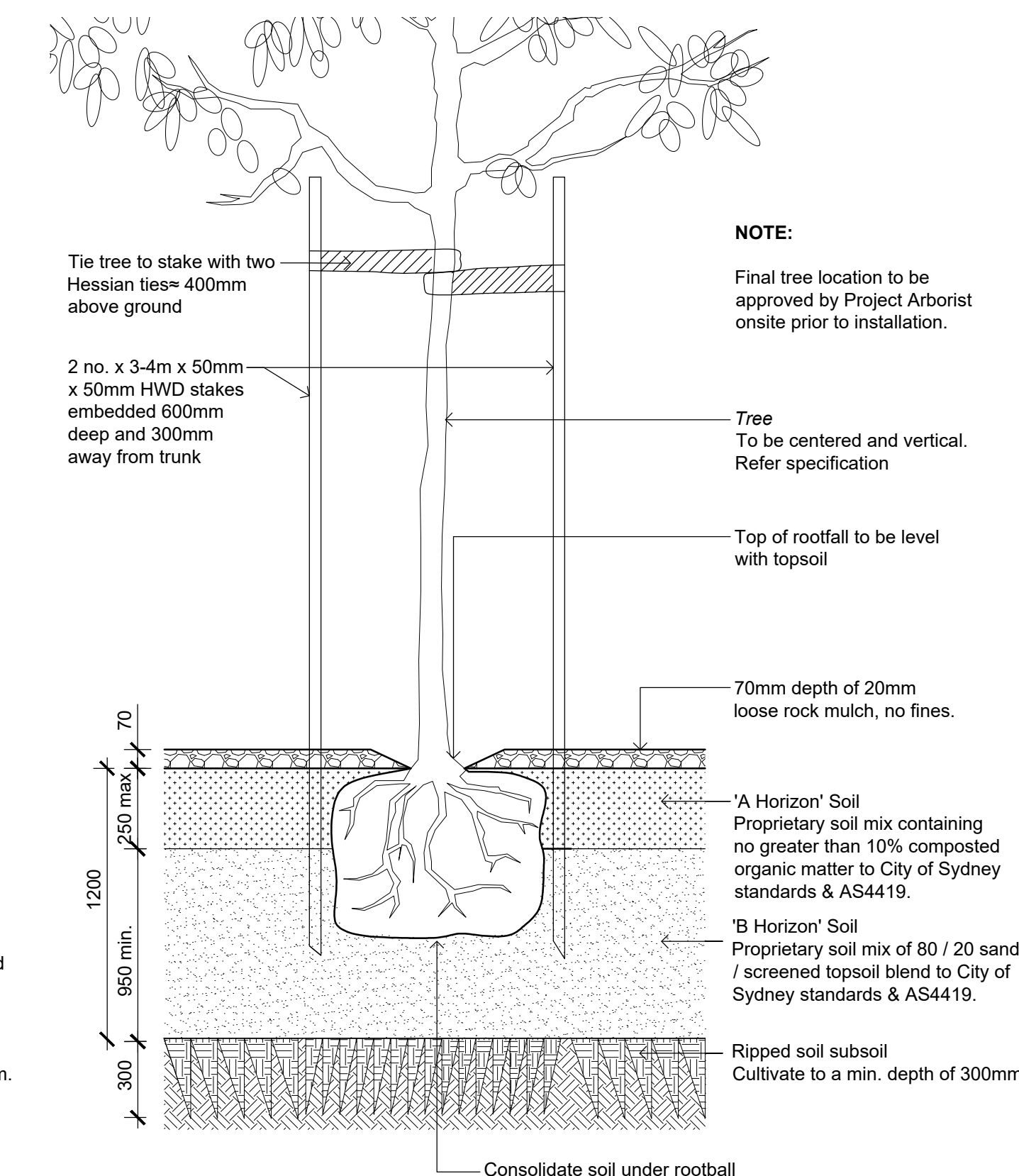
05 | SE01 - STEEL EDGING ON SLAB (PV03)  
Section Scale 1:5



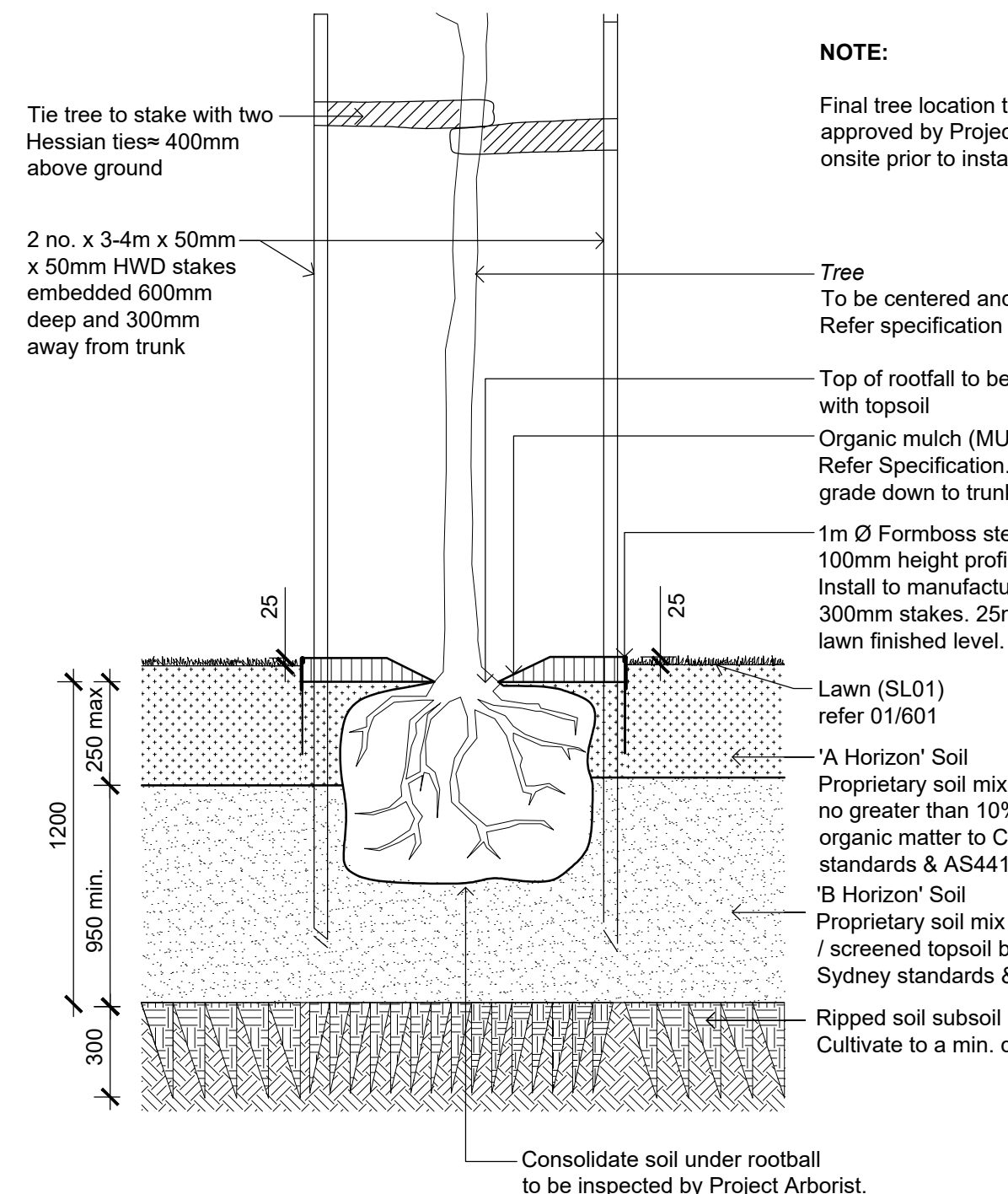
06 | SE02 - RAISED STEEL EDGING  
Section Scale 1:5



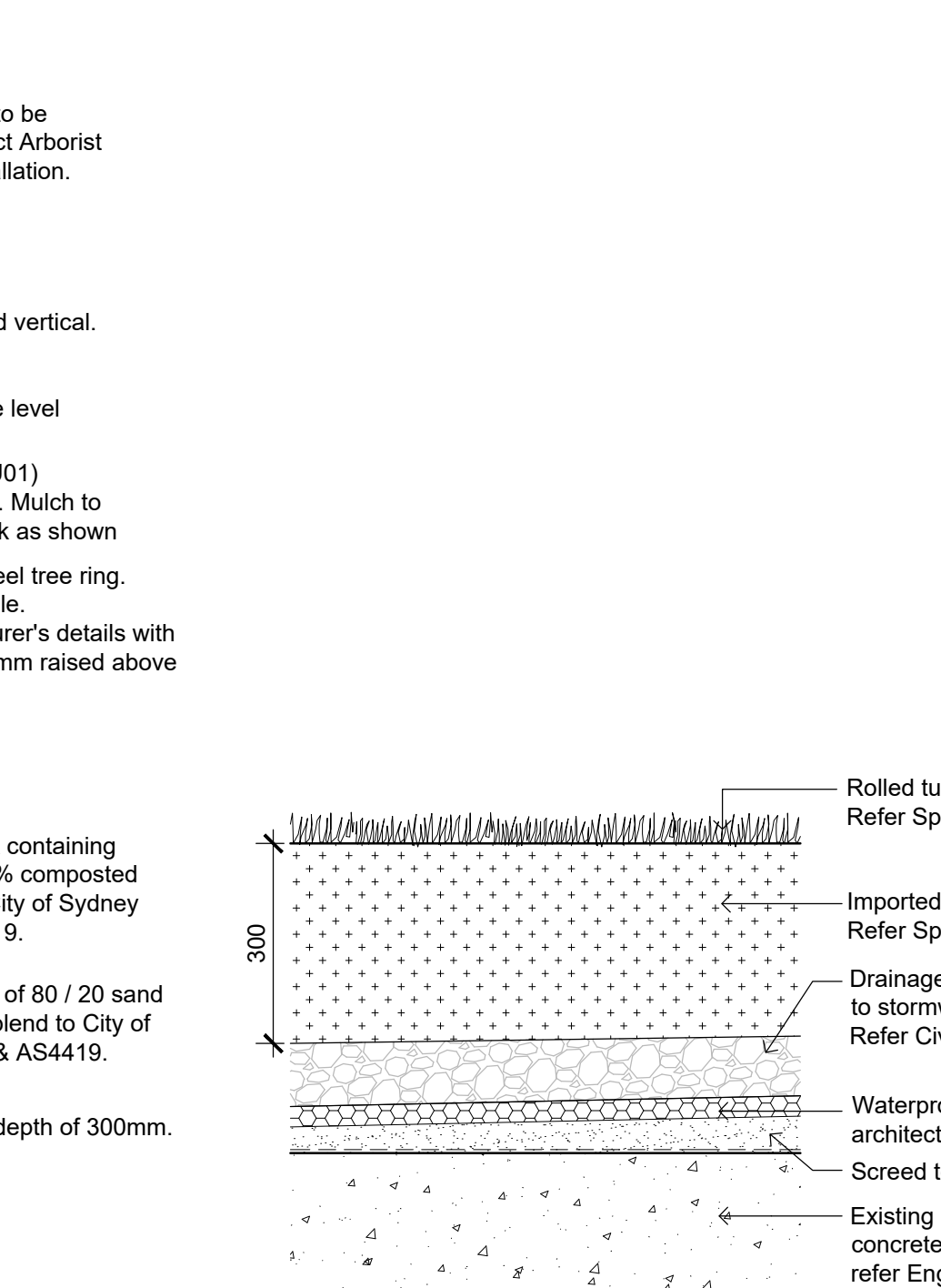
07 | ADVANCED TREE IN GARDEN BED DETAIL  
Section - Northern Courtyard & Southern Courtyard Scale 1:20



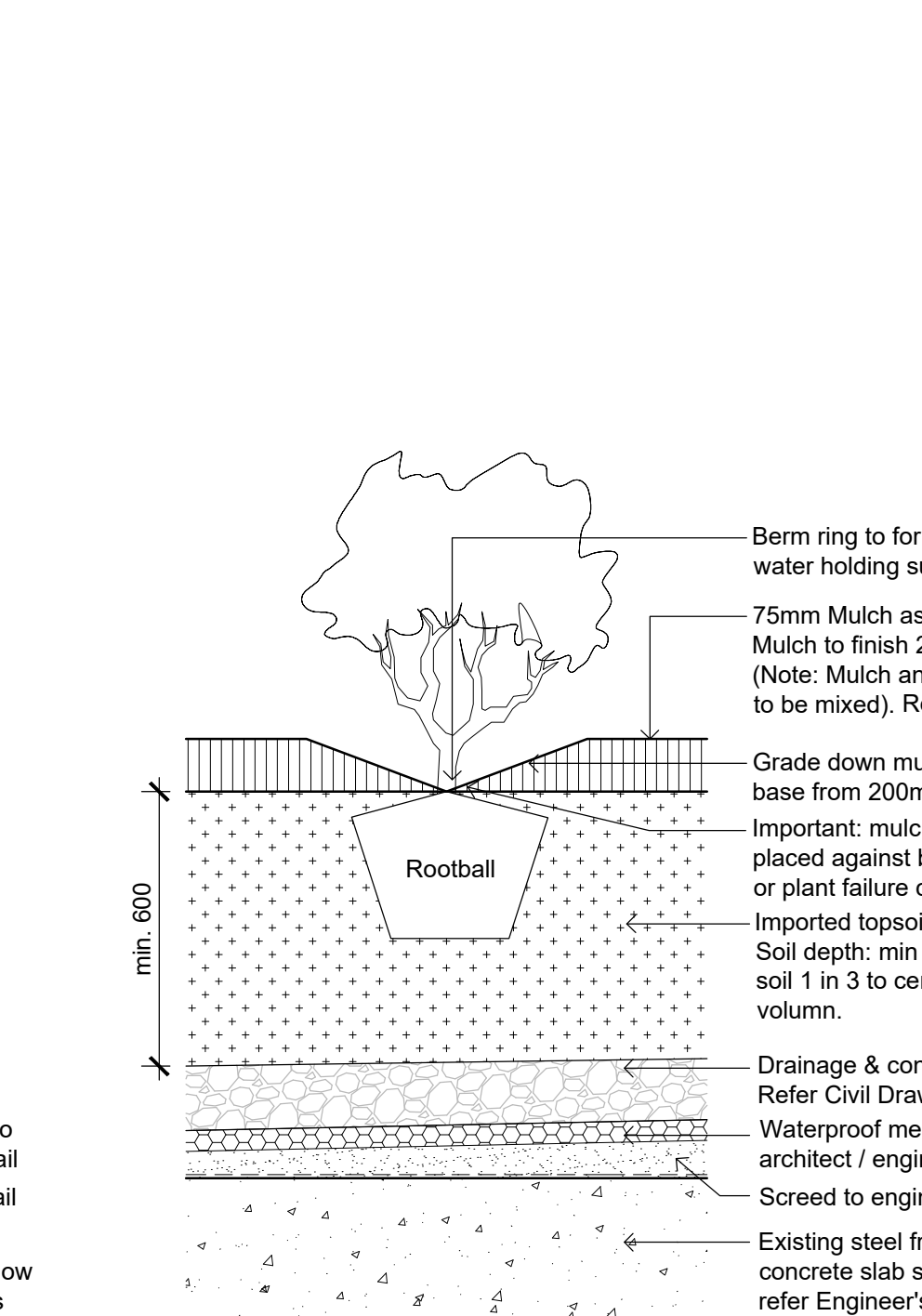
08 | ADVANCED TREE WITH ROCK MULCH DETAIL  
Section - Southern Courtyard Scale 1:20



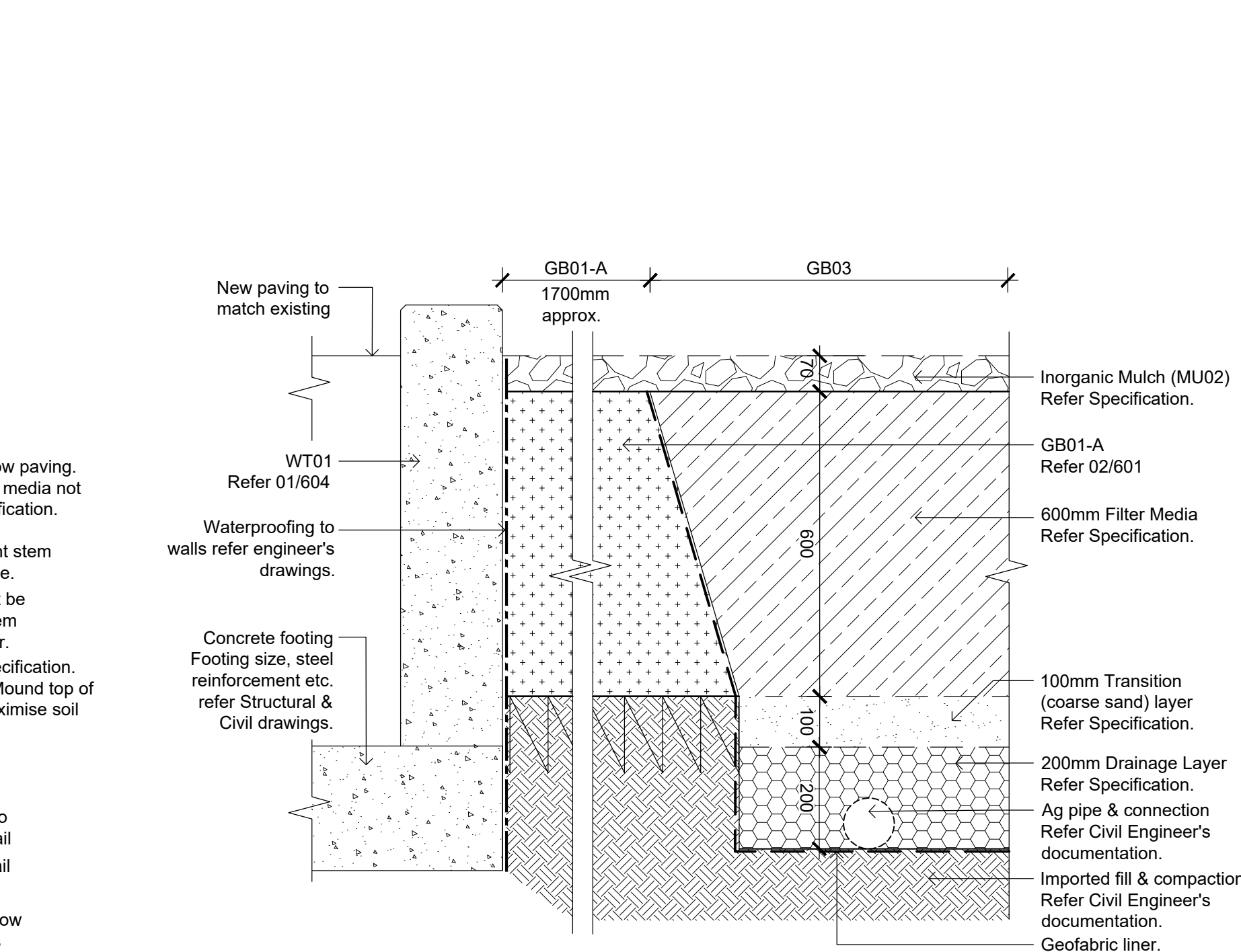
09 | ADVANCED TREE IN LAWN DETAIL  
Section - Northern Courtyard Scale 1:20



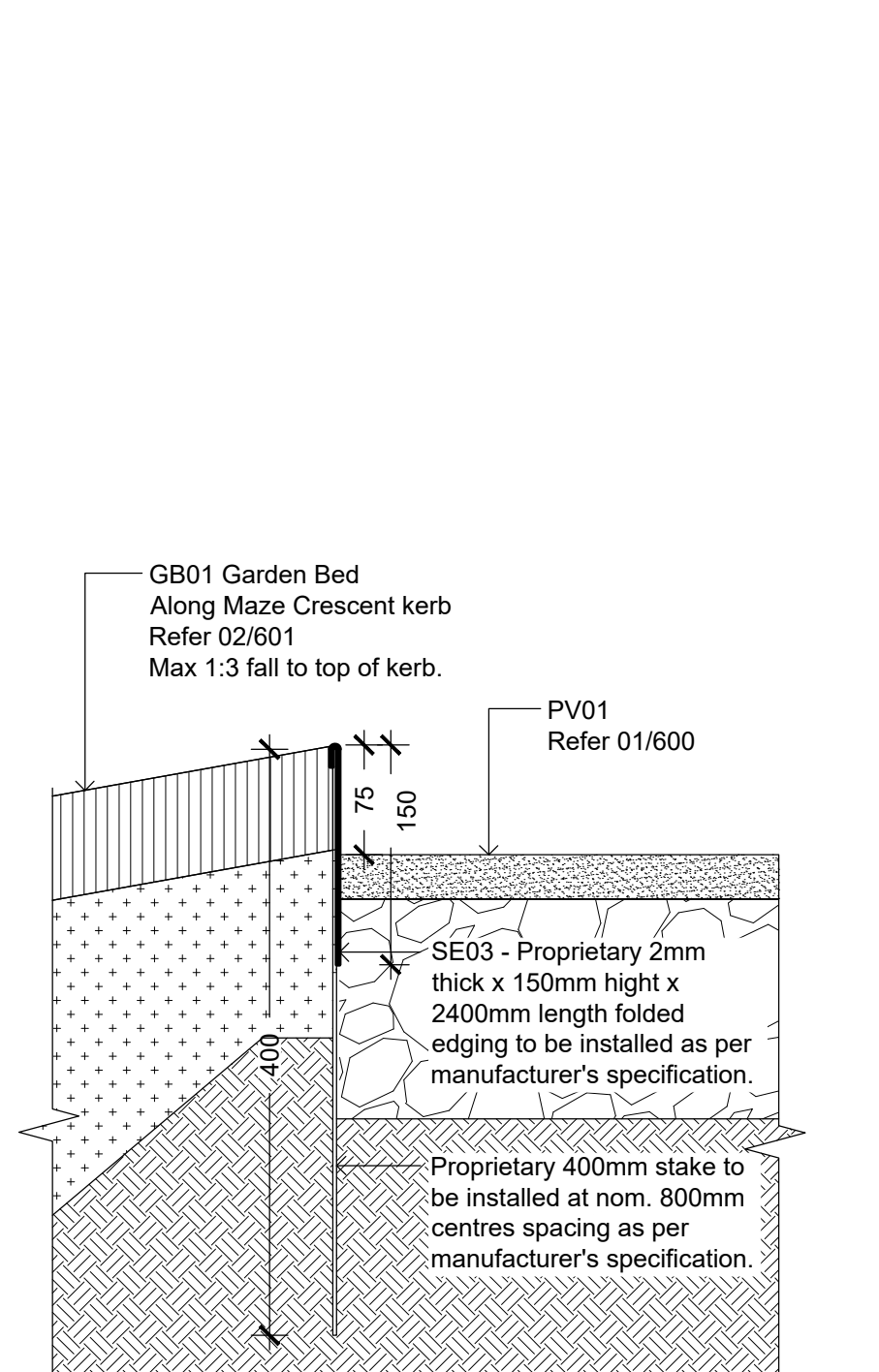
10 | SL02 - LAWN ON CONCRETE SLAB  
Section Scale 1:10



11 | GB04 - ROOFTOP GARDEN BED  
Section Scale 1:10



12 | GB01-A & GB03 GARDEN BED INTERFACE  
Section - Northern Courtyard Scale 1:10



13 | SE03 - STEEL KICKRAIL  
Section Scale 1:5

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C1	FOR CONSTRUCTION	SS	30/10/2019
C2	FOR CLARITY	SK	23/01/2020
C3	DELETION OF ED02 / REPLACE WITH WT01	SK	31/01/2020
C4	FOR CONSTRUCTION - REVISED SCOPE	SK	31/07/2020
C5	FOR CONSTRUCTION	SK	25/08/2020
D1	FOR APPROVAL	SK	15/09/2020

**Planning, Industry & Environment**

Issued under the *Environmental Planning and Assessment Act 1979*

Approved Section: 4.55(1A) Application no: SSD-8636-Mod-2

Granted: 16 October 2020 Sheet no: 14 of 18 Signed: *[Signature]*

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Project

**THE UNIVERSITY OF SYDNEY ETP STAGE 1**

Electrical Engineering Building  
University in Darlingtown, NSW 2008

Drawing Title

**Soft Landscape Details**

Document Control Status:

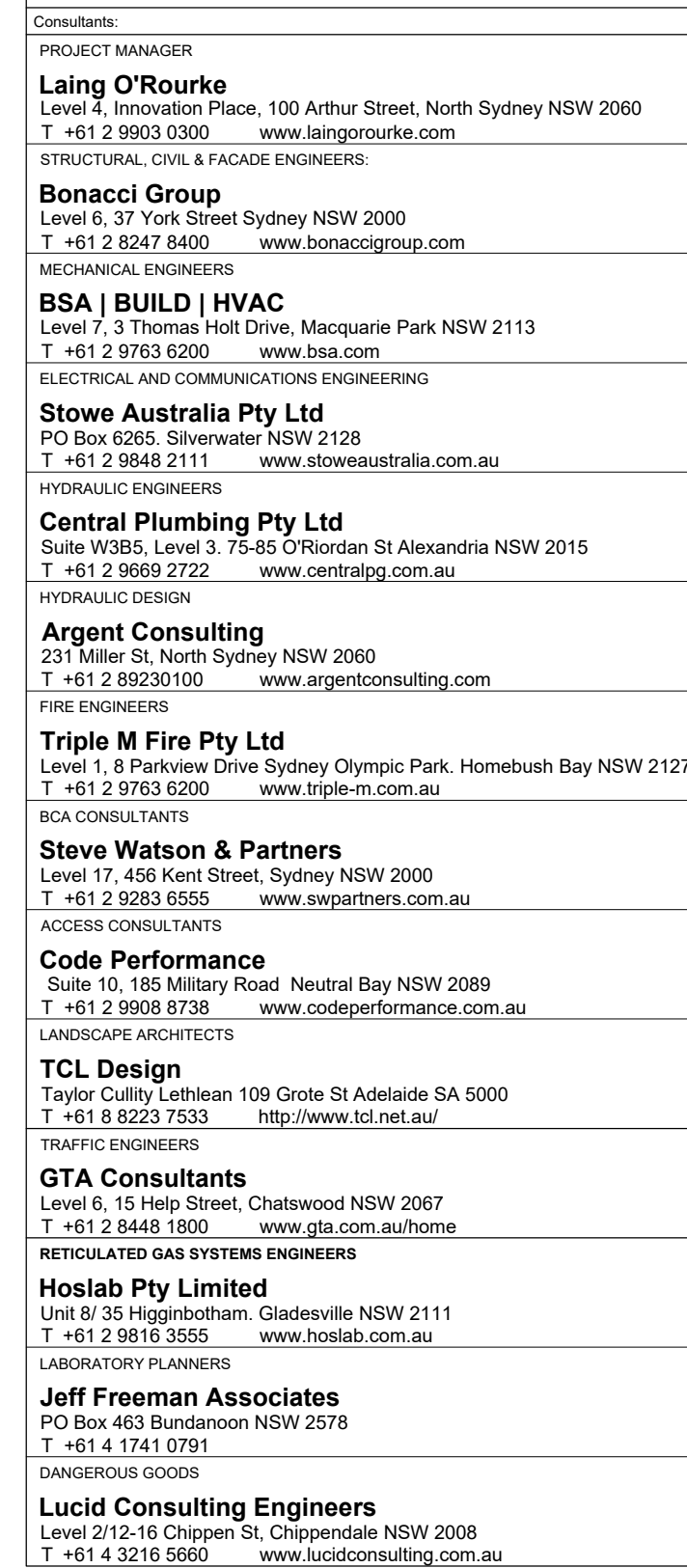
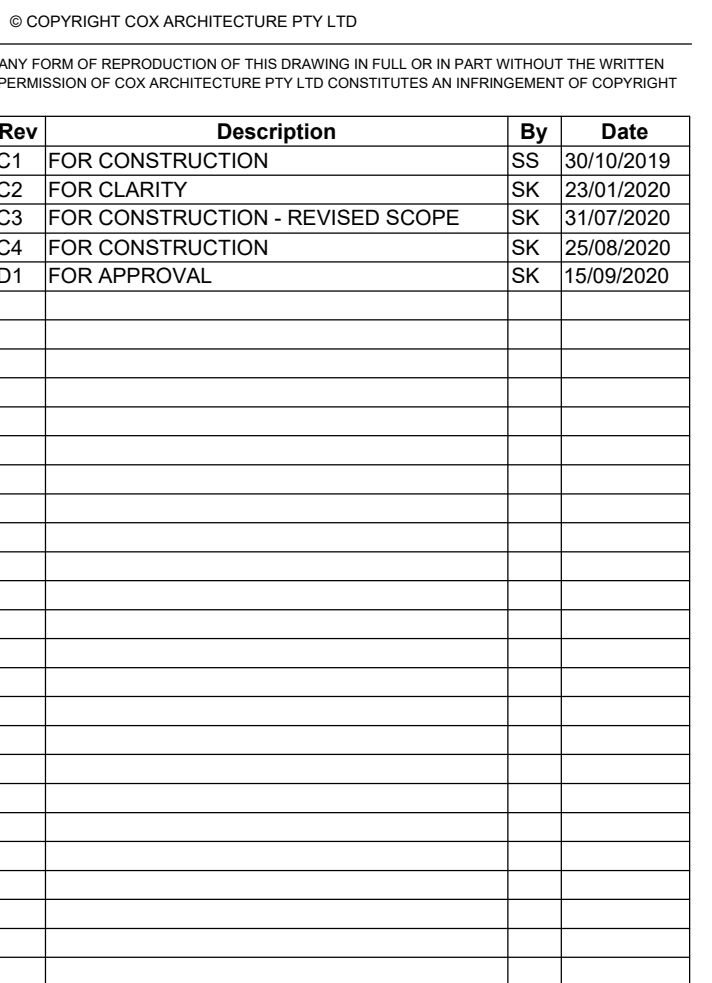
**FOR APPROVAL**

Project Number:	21513200	Drawn:	DH / SK
Co-ordinated:	GB / SK	Scale:	Varies @ B1
Project Architect:	TCL	Date:	15/09/2020
Project Director:	DS	Revision:	D1
Drawing Number:	K33-TCL-LAS-DRG-00601		

Cox Architecture Pty Ltd ACN 022 535 891

B1 DRAWING SHEET











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Russell Lee no. 6367

**LAING O'ROURKE**

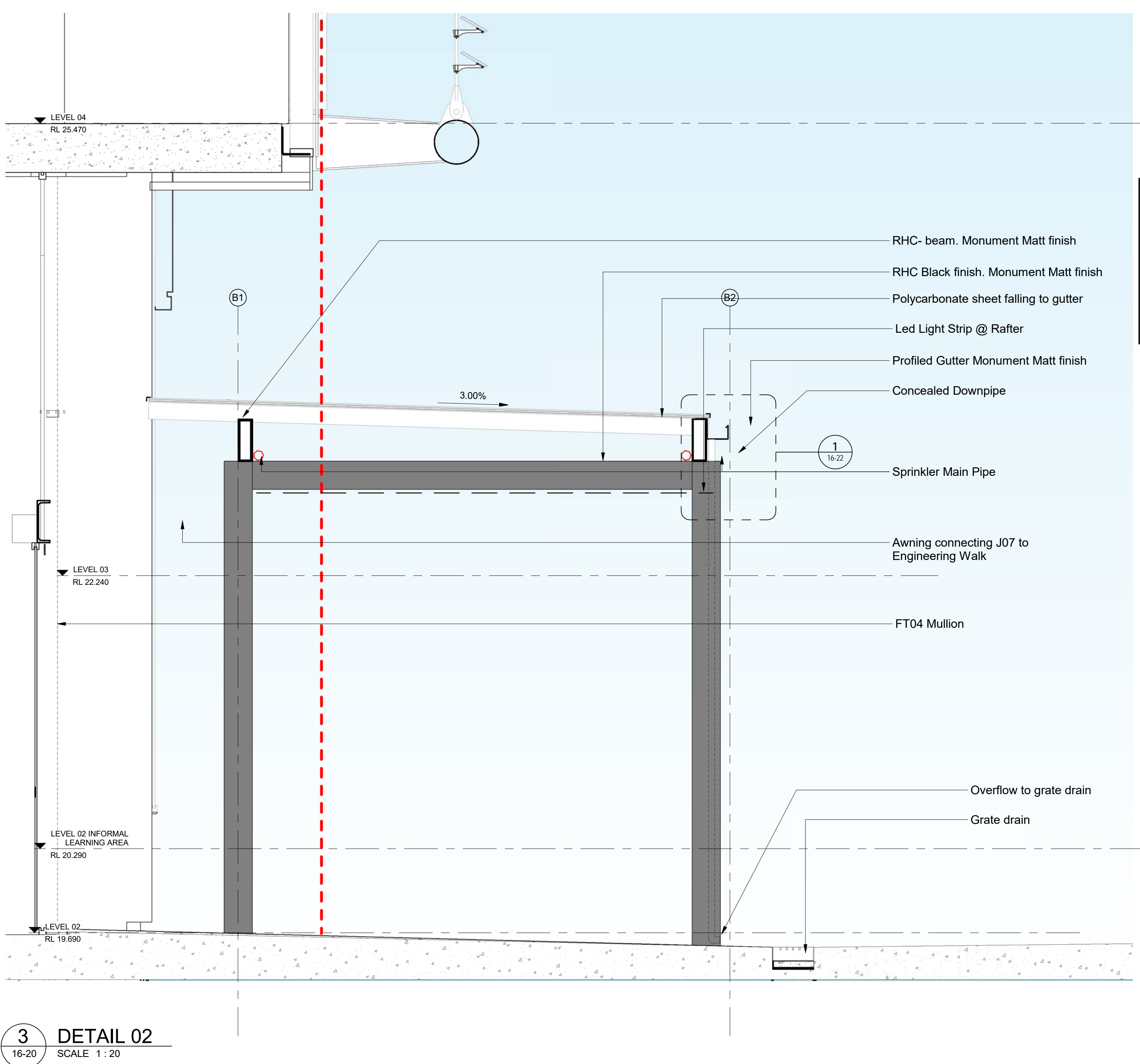


THE UNIVERSITY OF  
SYDNEY

K33-COX-ARC-DRG-16-20

B1 DRAWING SHEET



[illegible]

 **Planning,  
Industry &  
Environment**

*Issued under the Environmental Planning and Assessment Act 1979*

Approved Section: 4.55(1A)      Application no: SSD-9636-Mod 2

Granted: 16 October 2020      Sheet no: 18 of 18      Signed: 

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**LAING O'ROURKE**



THE UNIVERSITY OF SYDNEY

**Consultants:**

**Laing O'Rourke**  
Level 6, Innovation Place, 100 Angus Street, North Sydney NSW 2060  
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**DANGEROUS GOODS**

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Level 02-16 Chippen St, Chippendale NSW 2008  
T +61 2 4216 1616 <http://www.lucid.com.au>

Project

**THE UNIVERSITY OF  
SYDNEY ETP STAGE 1**

Electrical Engineering Building  
University in Darlington, NSW 2008

Drawing Title

EXTERNAL WORKS -  
ENGINEERING WALK AWNING  
- SHEET 2

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<b>Project Architect:</b> Michael Bradburn	<b>Date:</b> 16/09/2020
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B1 DRAWING SHEET