

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.
  - All existing & proposed levels are to be reviewed onsite by Contractor & notify the consultant team with any discrepancies prior to construction.
  - All civil stormwater pits, grades & conduits refer to Civil Engineer's documentation.
  - All service pits, 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 pits & conduits refer to Civil Engineer's documentation, confirm 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.

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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

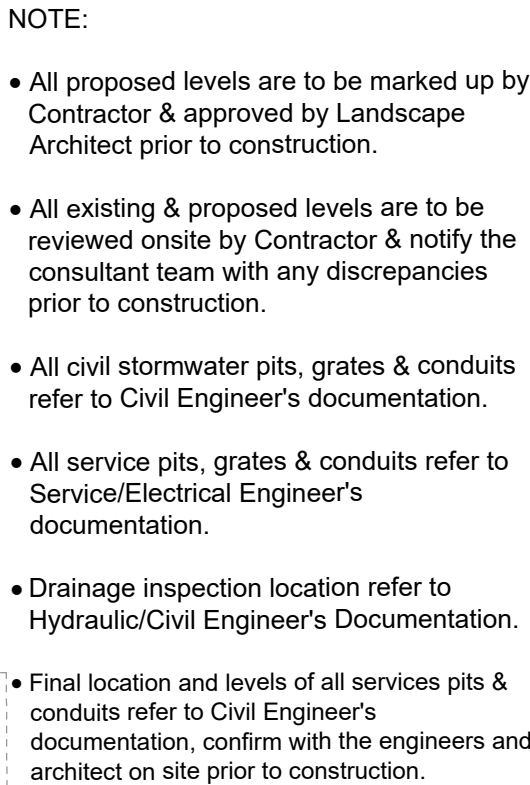
**Grading Plan 02  
Northern Courtyard**

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:	





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<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> D1
<b>Drawing Number:</b>  K33-TCL-LAS-DRG-00202	<b>North:</b> 









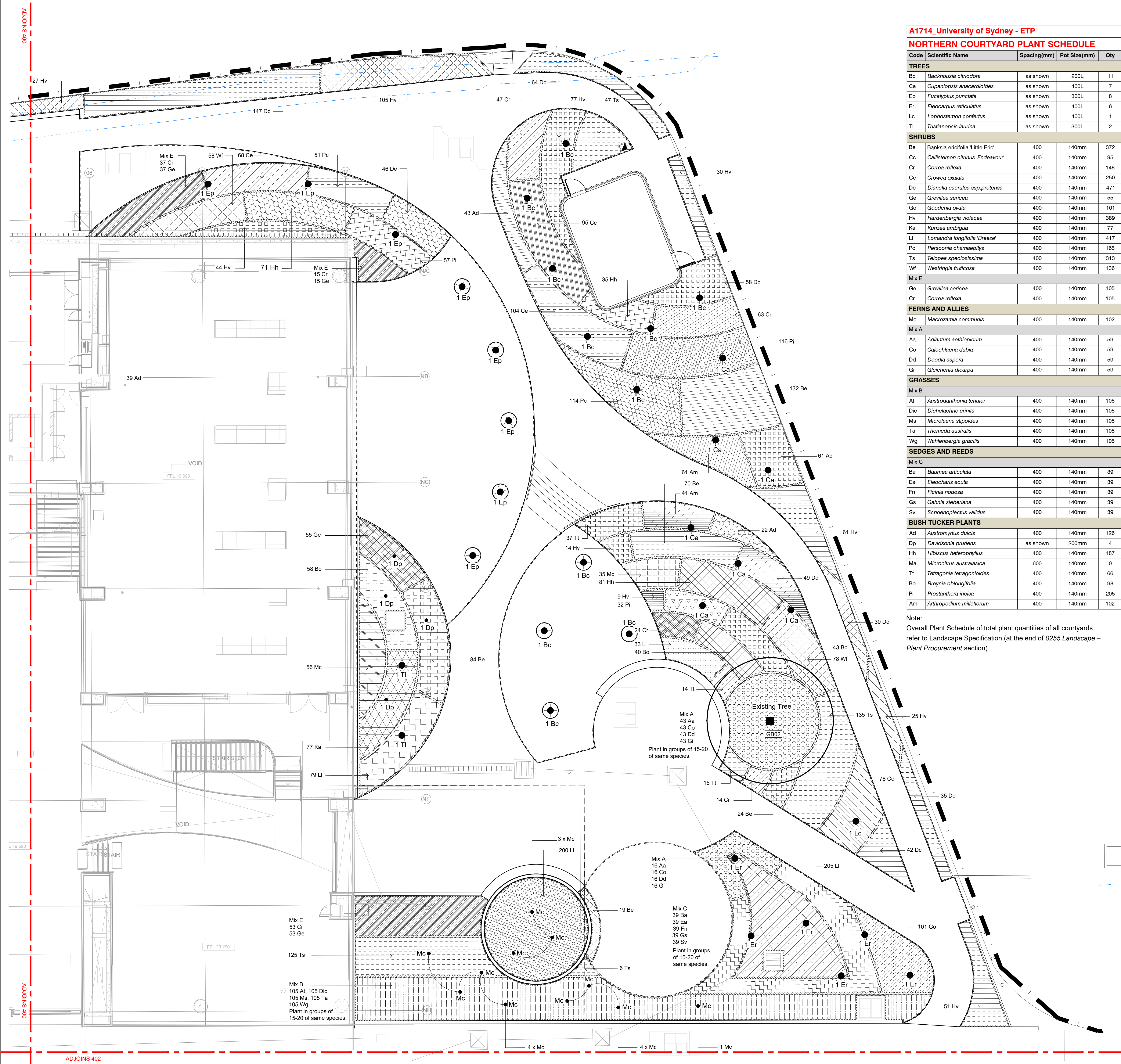






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A1714_University of Sydney - ETP				
NORTHERN COURTYARD PLANT SCHEDULE				
Code	Scientific Name	Spacing(mm)	Pot Size(mm)	Qty
TREES				
Bc	<i>Backhousia citrifodora</i>	as shown	200L	11
Ca	<i>Cupaniopsis anacardioides</i>	as shown	400L	7
Ep	<i>Eucalyptus punctata</i>	as shown	300L	8
Er	<i>Eleocharpus reticulatus</i>	as shown	400L	6
Lc	<i>Lophostemon confertus</i>	as shown	400L	1
Ti	<i>Tristanopsis laurina</i>	as shown	300L	2
SHRUBS				
Be	<i>Banksia ericifolia</i> 'Little Eric'	400	140mm	372
Cc	<i>Callistemon citrinus</i> 'Endeavour'	400	140mm	95
Cr	<i>Correa reflexa</i>	400	140mm	148
Ce	<i>Crowea exaltata</i>	400	140mm	250
Dc	<i>Dianella caerulea ssp. protensa</i>	400	140mm	471
Ge	<i>Grevillea sericea</i>	400	140mm	55
Go	<i>Goodenia ovata</i>	400	140mm	101
Hv	<i>Hardenbergia violacea</i>	400	140mm	389
Ka	<i>Kunzea ambigua</i>	400	140mm	77
Li	<i>Lomandra longifolia</i> 'Breeze'	400	140mm	417
Pc	<i>Persoonia chamaepeplus</i>	400	140mm	165
Ts	<i>Telopea speciosissima</i>	400	140mm	313
Wf	<i>Westringia fruticosa</i>	400	140mm	136
Mix E				
Ge	<i>Grevillea sericea</i>	400	140mm	105
Cr	<i>Correa reflexa</i>	400	140mm	105
FERNS AND ALLIES				
Mc	<i>Macrozamia communis</i>	400	140mm	102
Mix A				
Aa	<i>Adiantum aethiopicum</i>	400	140mm	59
Co	<i>Calochlaena dubia</i>	400	140mm	59
Dd	<i>Doodia aspera</i>	400	140mm	59
Gl	<i>Gleichenia dicarpa</i>	400	140mm	59
GRASSES				
Mix B				
At	<i>Austrodranthonia tenuior</i>	400	140mm	105
Dic	<i>Dichelachne crinita</i>	400	140mm	105
Ms	<i>Microlaena stipoides</i>	400	140mm	105
Ta	<i>Themeda australis</i>	400	140mm	105
Wg	<i>Wahlenbergia gracilis</i>	400	140mm	105
SEDGES AND REEDS				
Mix C				
Ba	<i>Baumea articulata</i>	400	140mm	39
Ea	<i>Eleocharis acuta</i>	400	140mm	39
Fn	<i>Ficinia nodosa</i>	400	140mm	39
Gs	<i>Gahnia sieberiana</i>	400	140mm	39
Sv	<i>Schoenoplectus validus</i>	400	140mm	39
BUSH TUCKER PLANTS				
Ad	<i>Austromyrtus dulcis</i>	400	140mm	126
Dp	<i>Davidsonia pruriens</i>	as shown	200mm	4
Hh	<i>Hibiscus heterophyllus</i>	400	140mm	187
Ma	<i>Microcitrus australasica</i>	600	140mm	0
Ti	<i>Tetragonia tetragonioides</i>	400	140mm	66
Bo	<i>Breynia oblongifolia</i>	400	140mm	98
Pi	<i>Prostanthera incisa</i>	400	140mm	205
Am	<i>Arthropodium milleflorum</i>	400	140mm	102

Note:  
Overall Plant Schedule of total plant quantities of all courtyards refer to Landscape Specification (at the end of 0255 Landscape – Plant Procurement section).

- Legend**
- Extent of Works
  - Confirm with Project Manager
  - New Advanced Tree:  
Tree in Garden Bed refer 07/601  
Tree in Gravel (PV02) refer 08/601  
Tree in Lawn (SL01) refer 09/601
  - New Tree T1  
Tree in Eastern Courtyard Rooftop Garden Bed refer 02/500
  - Existing Tree  
To be retained & protected  
Refer Arborists Report
  - Planting under Existing Tree (GB02)  
Refer detail 03/601

Planting Mix Types:	
Mix A	Aa <i>Adiantum aethiopicum</i> Cd <i>Calochlaena dubia</i> Da <i>Doodia aspera</i> Gd <i>Gleichenia dicarpa</i> Mc <i>Macrozamia communis</i>
Mix B	At <i>Austrodracopis tenuior</i> Dic <i>Dichelachne crinita</i> Ms <i>Microlaena stipoides</i> Ta <i>Themeda australis</i> Wg <i>Wahlenbergia gracilis</i>
Mix C	Ba <i>Baumea articulata</i> Ea <i>Eleocharis acuta</i> Fn <i>Ficinia nodosa</i> Gs <i>Gahnia sieberiana</i> Sv <i>Schoenoplectus validus</i>
Mix D	Dc <i>Dianella caerulea</i> Go <i>Goodenia ovata</i>
Mix E	Gs <i>Grevillea sericea</i> Cr <i>Correa reflexa</i>

All planting mix types: plant in groups of 15-20 of same species, unless otherwise noted.

- NOTE:**
- Digital CAD will be provided for setout purpose.
  - All setbacks to be marked up by Contractor & approved by Landscape Architect prior to plant installation.
  - Final tree layout to be supervised & approved on-site by the University's arborist
  - For drainage system including location, size & connection refer to Civil & Hydraulic Engineer's documentation.
  - Contractor is to notify the Superintendent with any discrepancies between TCL's drawings, existing site conditions & other consultant's drawings.
  - Make-good of all adjacent existing grading & surface treatments affected by the new construction works.
  - 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.
  - New tree planting - contractor to check & ensure min. 600mm cover to all existing underground service conduits & pits. Contractor to confirm the depth onsite with the Superintendent prior to any excavation work.
  - Ensure new trees have min. 1m clearance from any new underground service pits & conduits. Provide root control barriers to tree where required.
  - For existing services & new proposed services (above & under ground) refer Engineering drawings. Confirm with Superintendent with any works adjacent to services.

- Tree & garden bed planting arrangement to be approved onsite by the Project Arborist (with TCL) prior to planting.
- Planting Plans to be read in conjunction with Arborists Report.
- Any service / civil pit in garden bed to be covered with the garden bed mulch where possible.
- Blue dash lines indicate existing services below ground, refer Existing Services CAD Plan from the Superintendent prior to any works.

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C1	FOR CONSTRUCTION	SS	30/10/2019
C2	ANNOUATION CLARITY	SK	23/01/2020
C3	FOR CONSTRUCTION	SK	31/07/2020
C4	UPDATED PLANT QUANTITIES	SK	13/08/2020
C5	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

**Planting 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-00401

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B1 DRAWING SHEET







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## 02 | PALM TREE PLANTING ON SLAB & GB04 GARDEN BED

### Section - Eastern Courtyard

[illegible]

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Project

THE UNIVERSITY OF  
SYDNEY ETP STAGE 1

Electrical Engineering Building  
University in Darlington, NSW 2008

Drawing Title

## Sections 01

### Eastern Courtyard Details

Document Control Status:

FOR APPROVAL

Project Number: 215132.00	Drawn: DH/LSK
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Co-ordinated:	SP	Scale:	1 (none) @ 5 (a lot)
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<b>Project Architect:</b> TCI	<b>Date:</b> 15/09/2020
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Project Director: DS	Revision: D1
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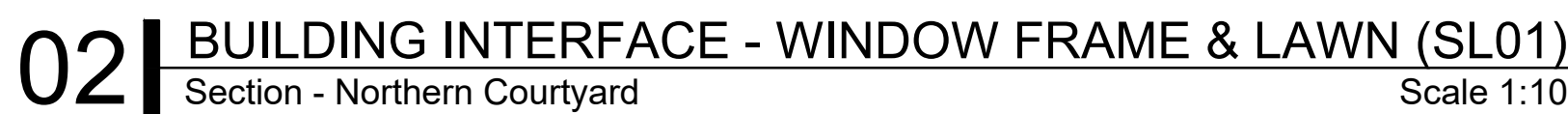
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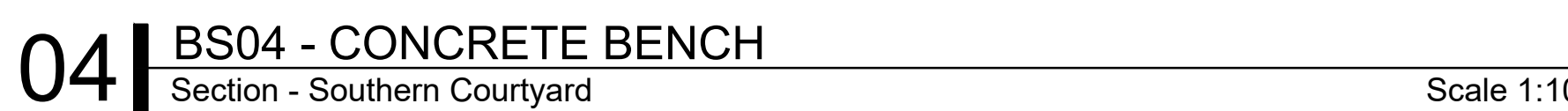
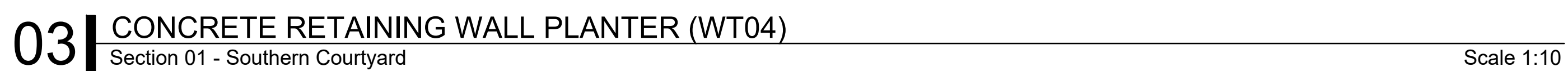
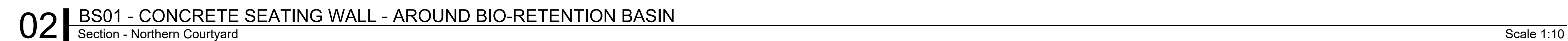
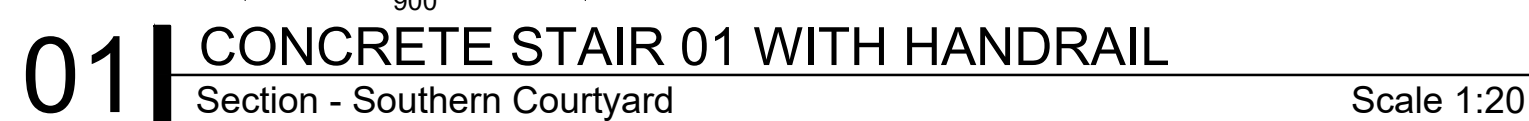
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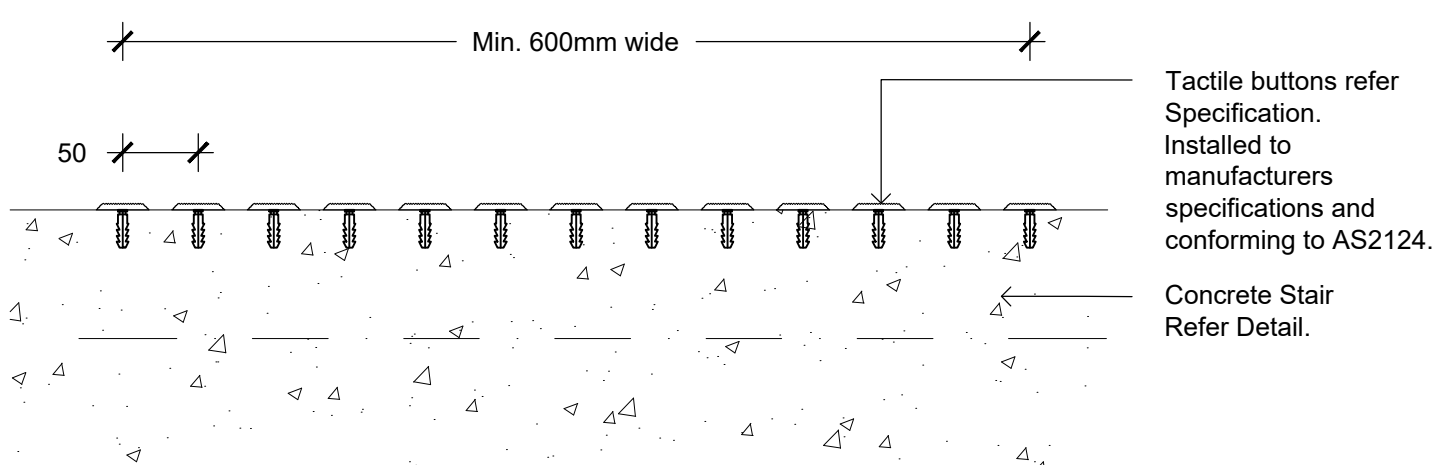
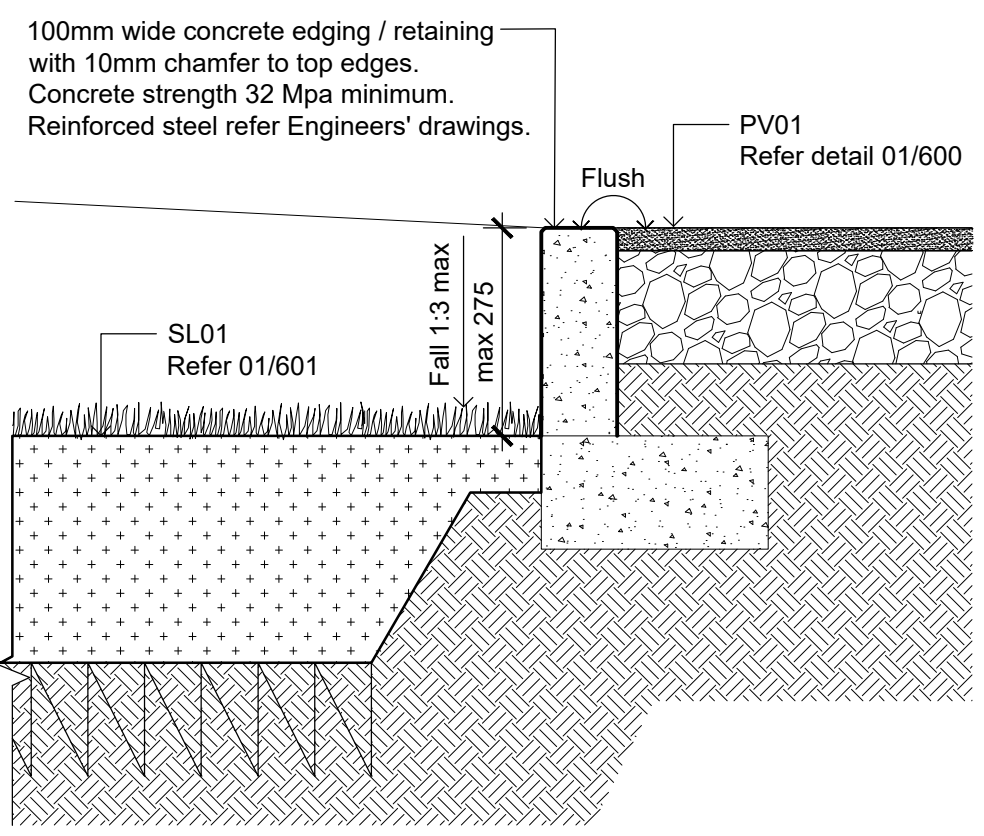
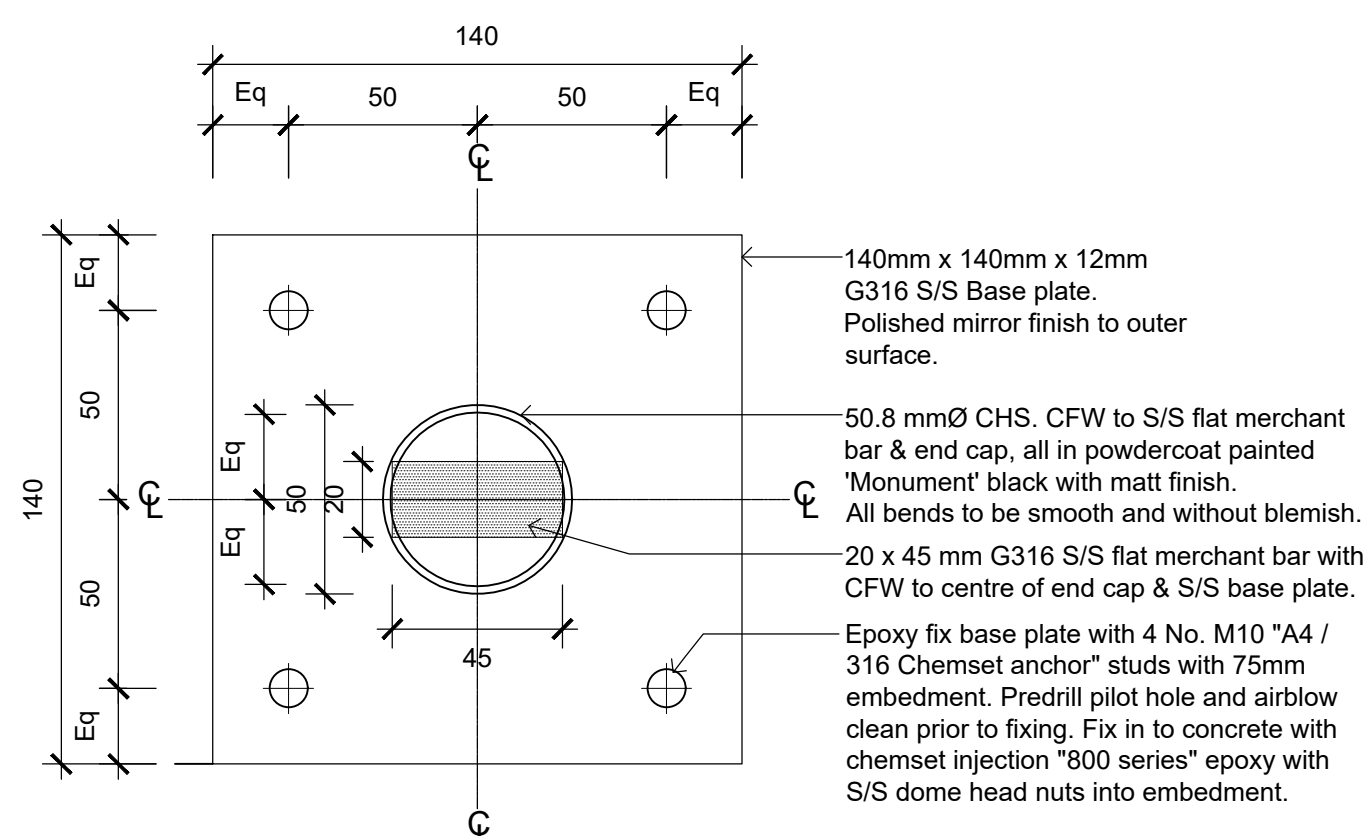
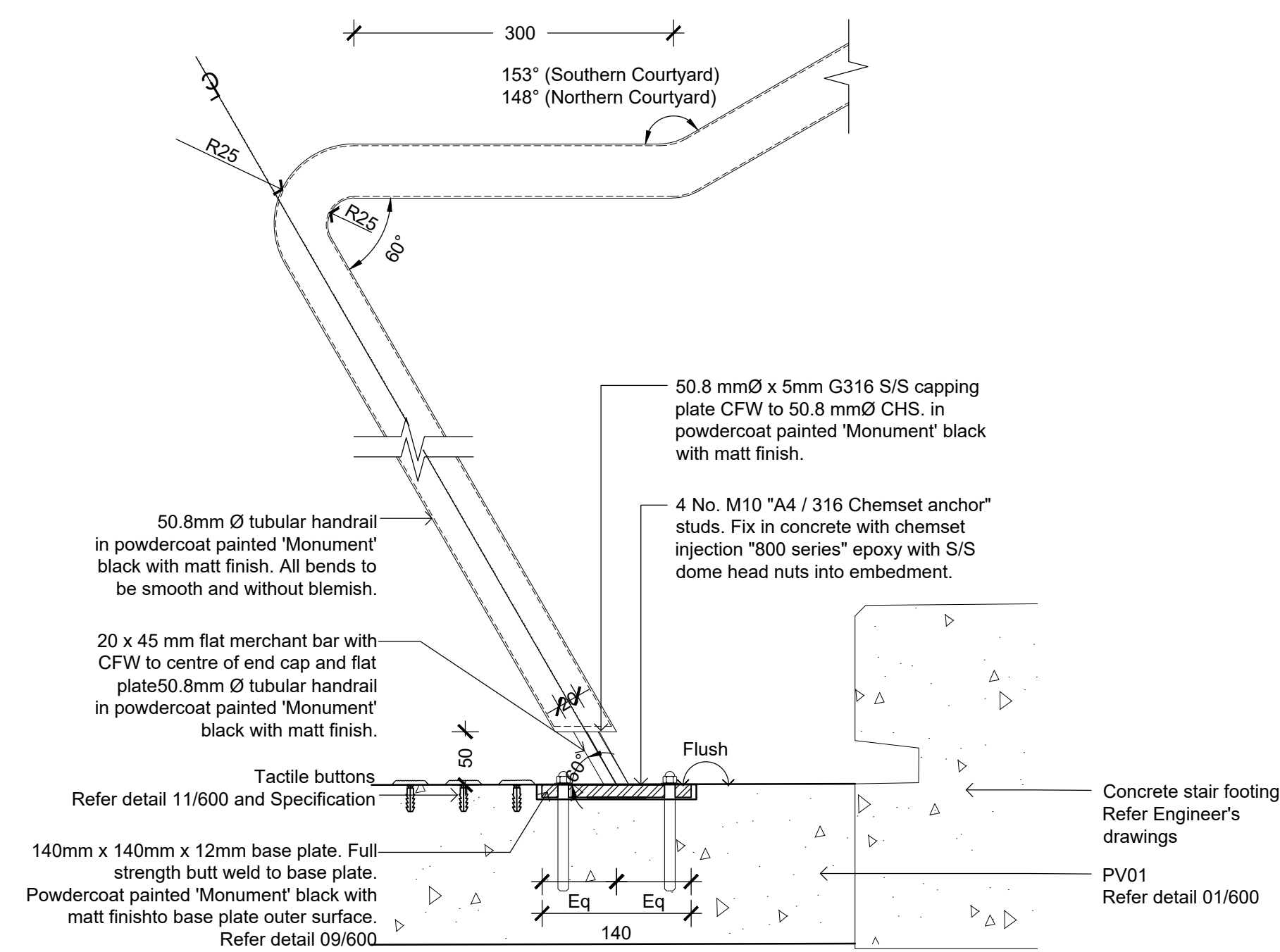
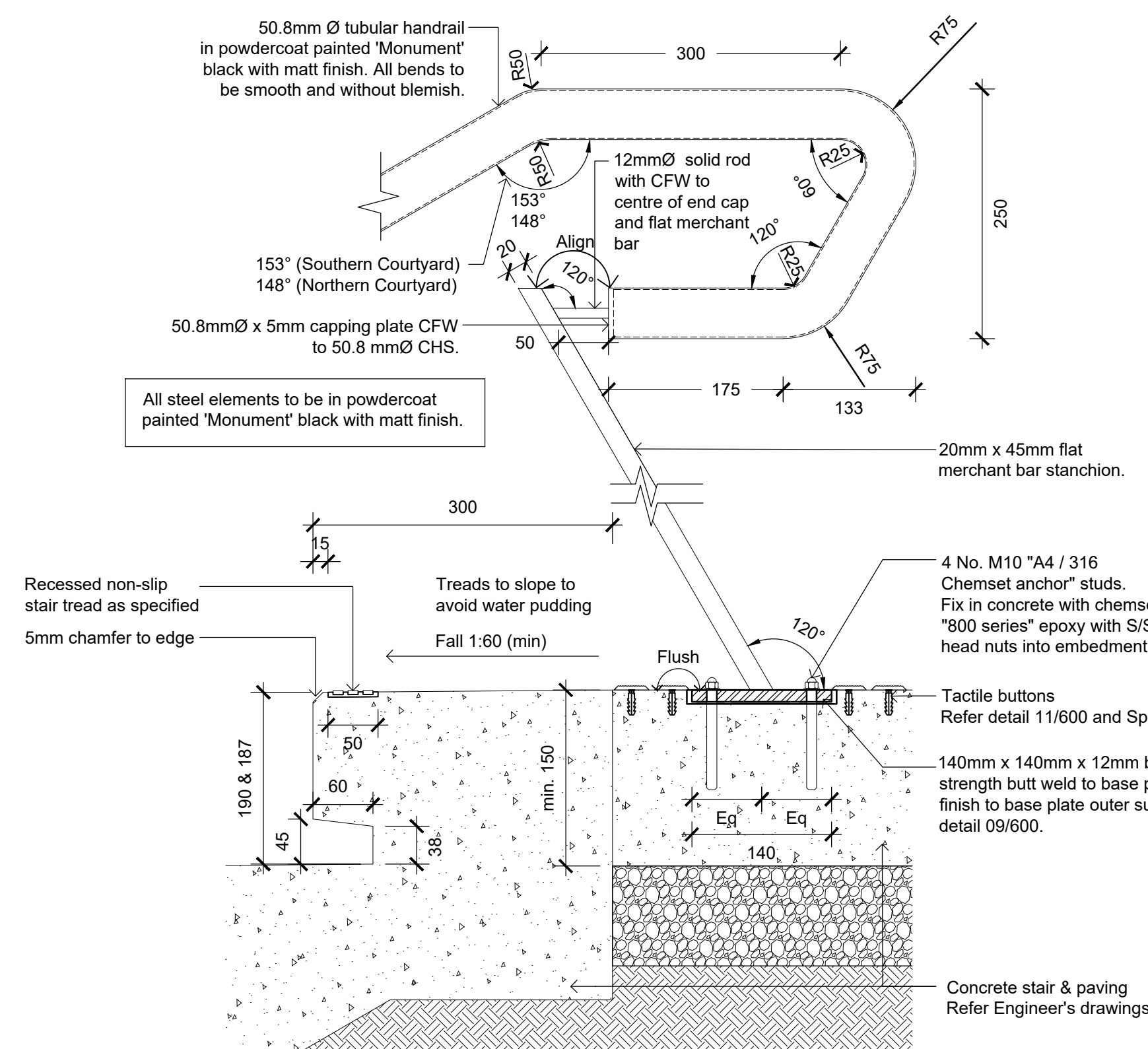
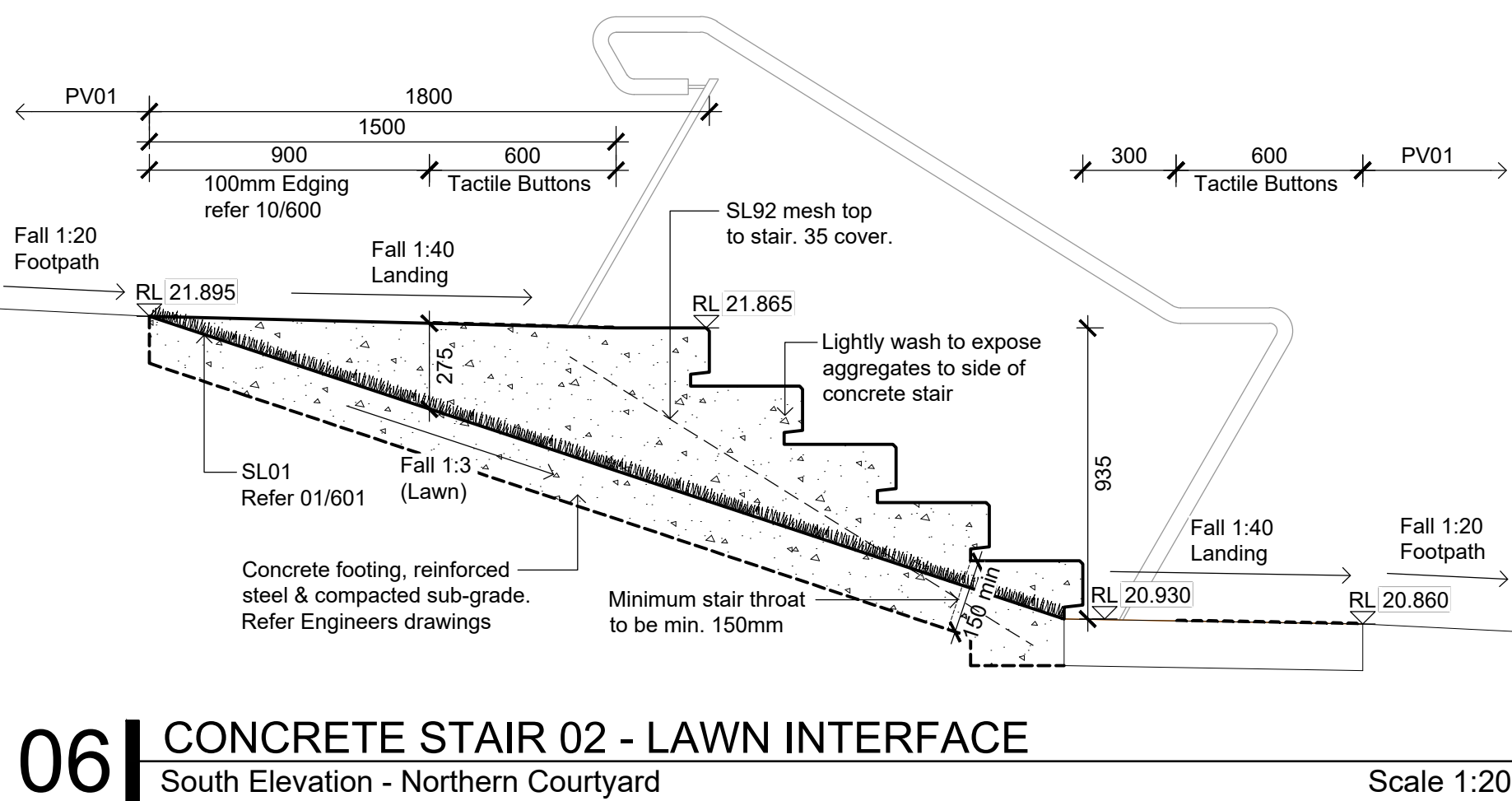
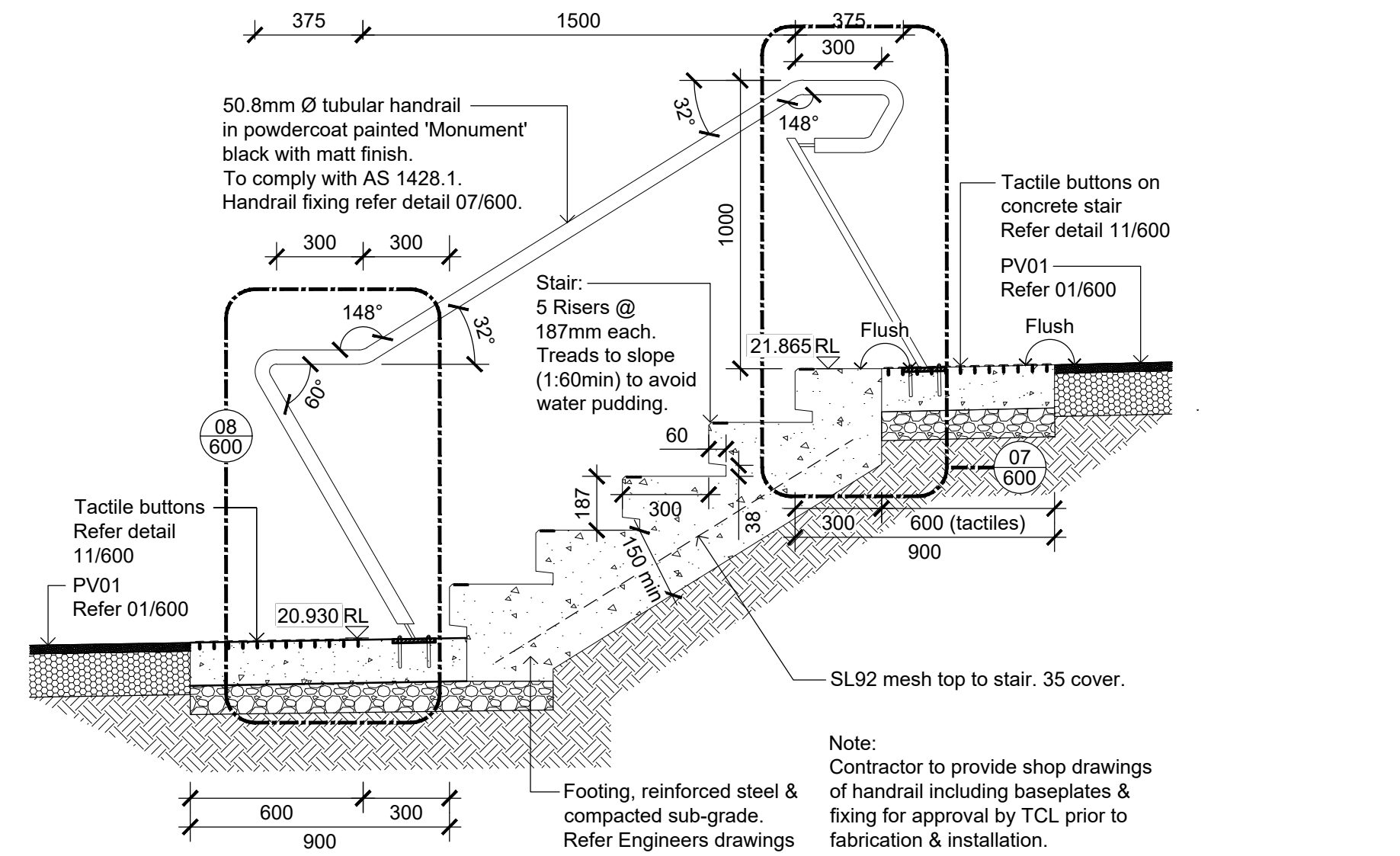
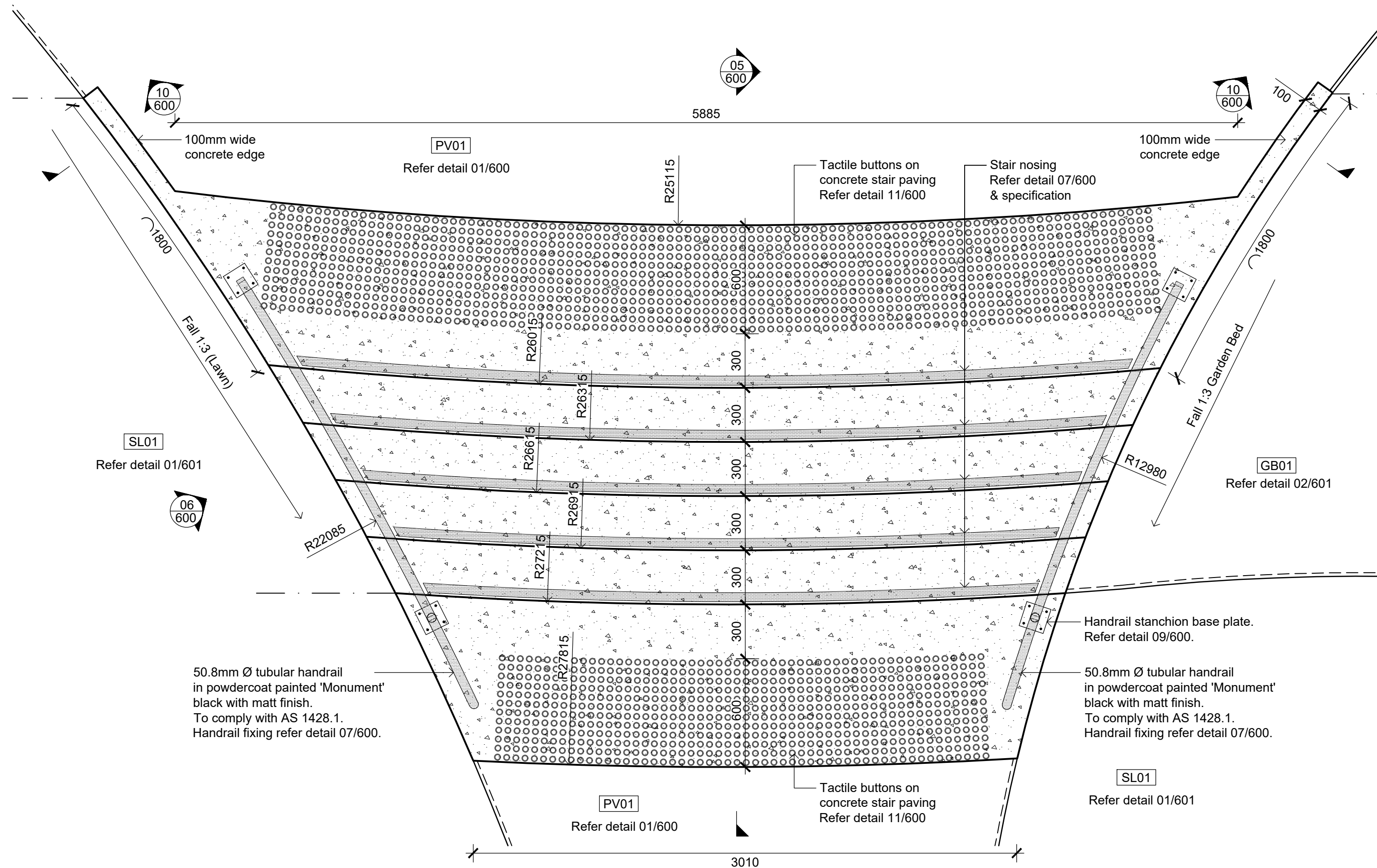
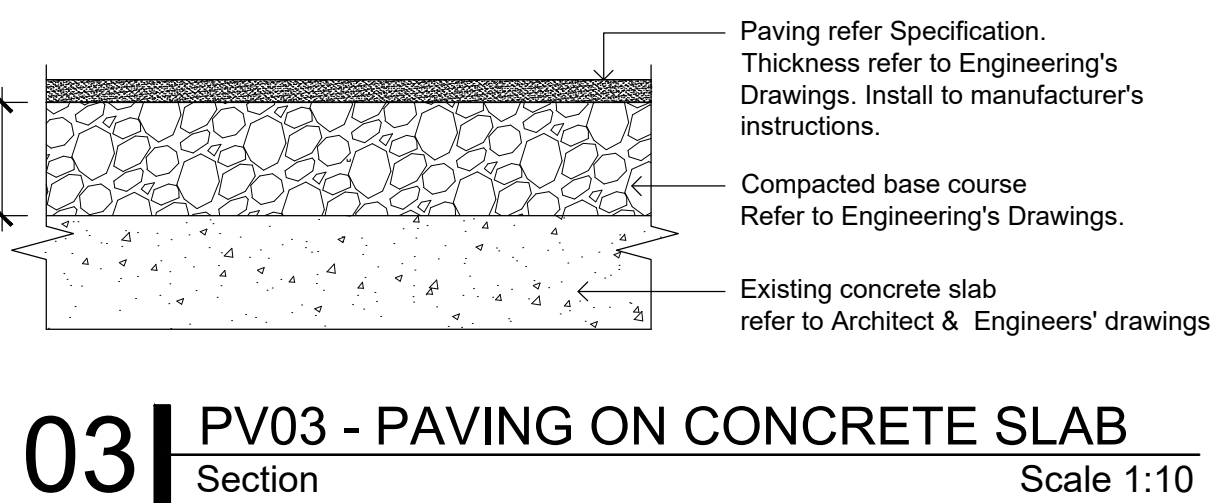
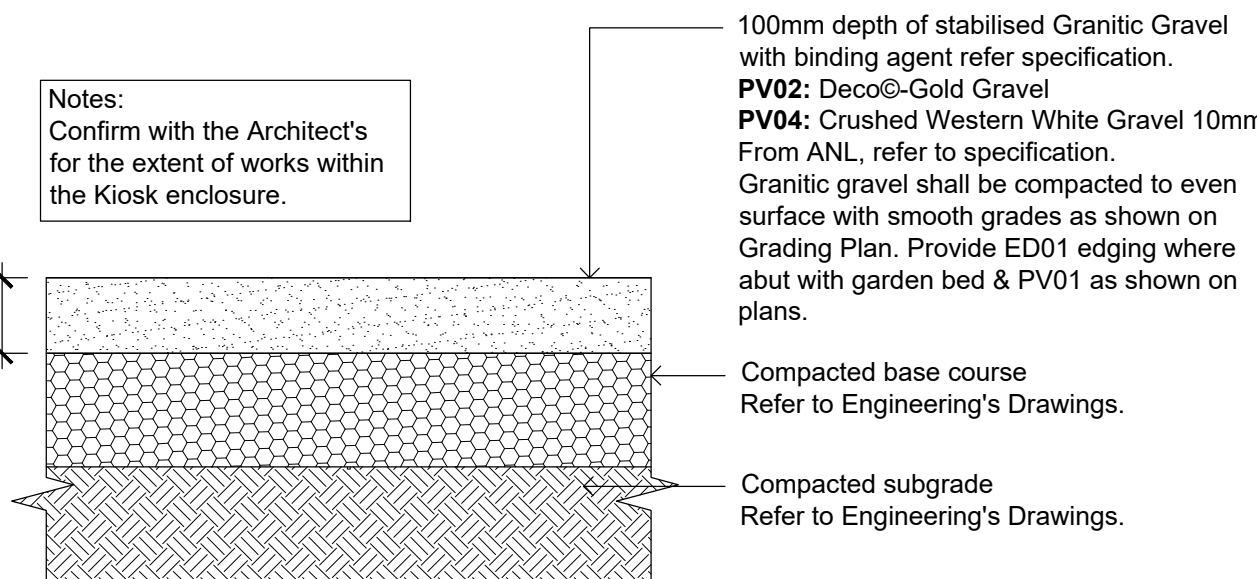
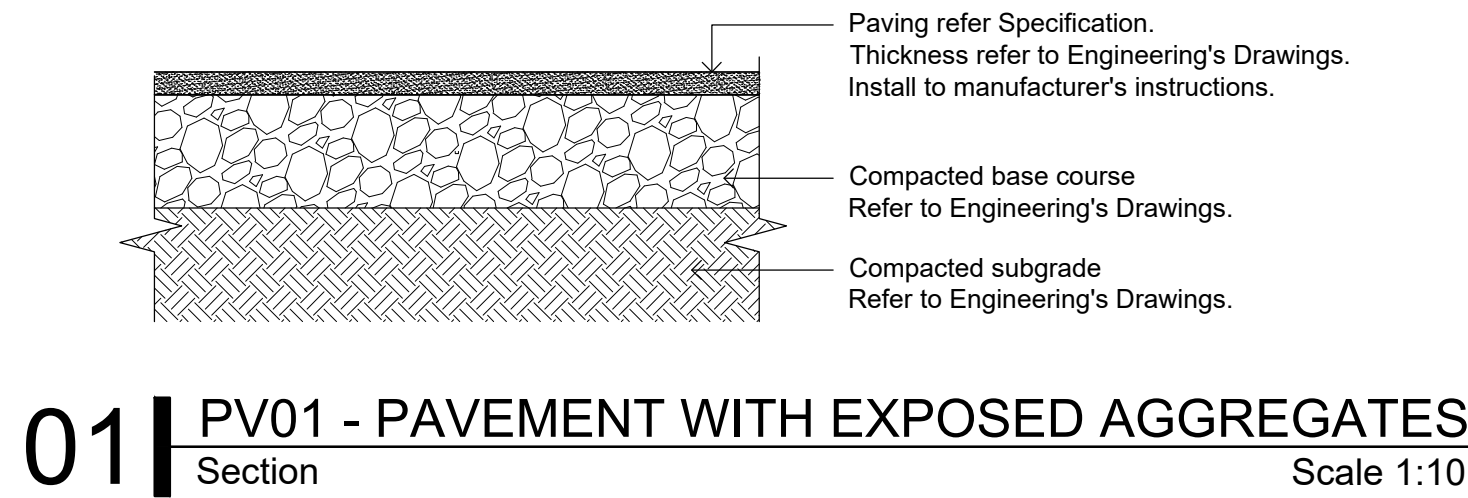
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Project	
THE UNIVERSITY OF SYDNEY ETP STAGE 1	
Electrical Engineering Building University in Darlingtown, NSW 2008	
Drawing Title	
Sections 03 Southern Courtyard Details	
Document Control Status:	
FOR APPROVAL	
Project Number:	215132.00
Co-ordinated:	SB / SK
Project Architect:	TCL
Project Director:	DS
Drawing Number:	
Drawn:	SH
Scale:	Varies @ B
Date:	17/09/2020
Revision:	D
K33-TCL-LAS-DRG-00502	





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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 - REVISED SCOPE	SK	31/07/2020
C4	FOR CONSTRUCTION	SK	25/08/2020
D1	FOR APPROVAL	SK	17/09/2020

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Principal

**THE UNIVERSITY OF SYDNEY ETP STAGE 1**

Electrical Engineering Building  
University in Darlington, NSW 2008

Drawing Title

**Hard Landscape Details**

Document Control Status:

**FOR APPROVAL**

Project Number: 21513200 Drawn: SS / SK

Co-ordinated: SB / SK Scale: Varies @ B1

Project Architect: TCL Date: 17/09/2020

Project Director: DS Revision: D1

Drawing Number:

K33-TCL-LAS-DRG-00600

Cox Architecture Pty Ltd ACN 022 535 891

B1 DRAWING SHEET



The diagram illustrates a cross-section of a tree pit. At the top, a tree is shown with a 'Berm ring to form water holding surface.' Below the tree, there is a layer of '75mm Mulch as specified. Mulch to finish 25mm below paving. (Note: Mulch and growing media not to be mixed). Refer Specification.' The main body of the pit is filled with 'Imported topsoil. Refer Specification.' and contains a 'Rootball' which is 'to be leveled with top of soil.' The pit is bordered by a 'Grade down mulch to plant stem base from 200mm distance.' Below the topsoil is a 'Soil subgrade - cultivate to a depth of 300mm' and at the very bottom is the 'Subgrade'. A vertical dimension line on the left indicates a height of 'min 600'.

min 600

Berm ring to form water holding surface.

75mm Mulch as specified. Mulch to finish 25mm below paving. (Note: Mulch and growing media not to be mixed). Refer Specification.

Grade down mulch to plant stem base from 200mm distance.

Rootball

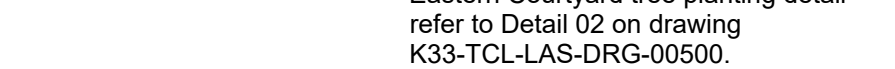
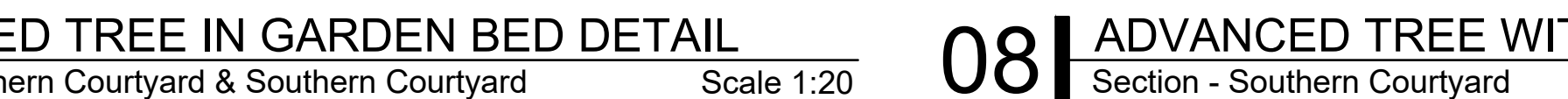
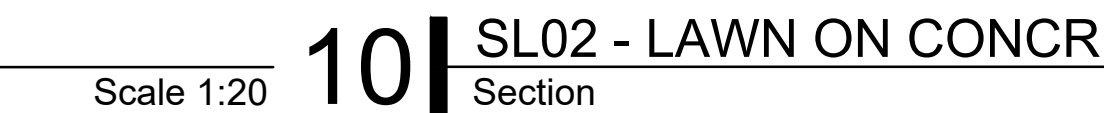
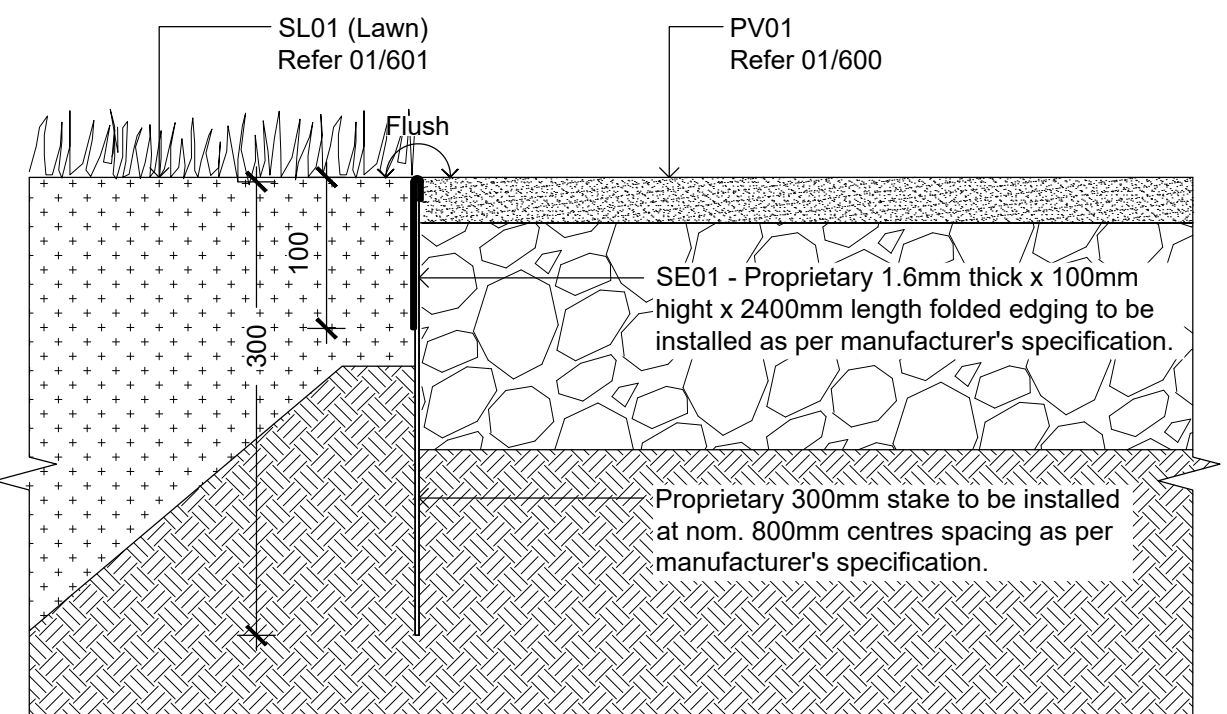
Rootball to be leveled with top of soil.

Important: mulch must not be placed against base of stem or plant failure could occur.

Imported topsoil. Refer Specification.

Soil subgrade - cultivate to a depth of 300mm

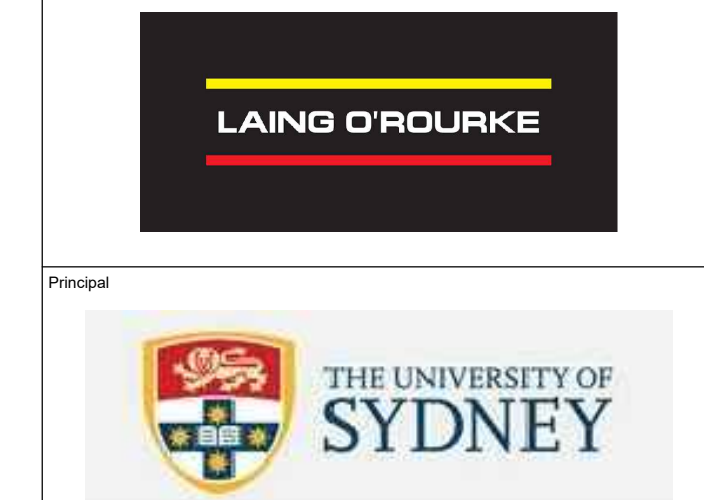
Subgrade



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Project

THE UNIVERSITY OF  
SYDNEY ETP STAGE 1

Electrical Engineering Building  
University in Darlington, NSW 2008

Drawing Title

Soft Landscape Details

Document Control Status:

FOR APPROVAL

<b>Project Number:</b>	215132.00	<b>Drawn:</b>	DH / SK
<b>Co-ordinated:</b>	SB / SK	<b>Scale:</b>	Varies @ B1
<b>Project Architect:</b>	TCL	<b>Date:</b>	15/09/2020
<b>Project Director:</b>	DS	<b>Revision:</b>	D1

K33-TCL-LAS-DRG-00601	
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K33-TCL-LAS-DRG-00602











