SCALE 1:200

0 1 2 3 4 5 10 20m

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
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| 3 | 10.05.24 | ISSUE FOR PRE-DA | JS | CM |
| 4 | 05.08.24 | DRAFT ISSUE FOR QS | JS | VG |
| 5 | 07.08.24 | ISSUE FOR CONSULTANTS | JS | VG |
| 6 | 30.09.24 | DRAFT ISSUE FOR DEVELOPMENT APPLICATION | JS | CM |
| 7 | 04.10.24 | DRAFT DA ISSUE UPDATE | JS | AW |
| 8 | 01.11.24 | DRAFT FINAL DA ISSUE | JS | AW |
| 9 | 08.11.24 | ISSUE FOR DA | JS | CM |
| 10 | 26.11.24 | DA ISSUE | JS | CM |
| 11 | 29.09.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 12 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

- PROPOSED WORKS
- EXISTING BUILDINGS RETAINED ON SITE
- EXISTING BUILDINGS OUTSIDE SITE
- EXISTING SITE ACCESS
- EXISTING TREES / VEGETATION RETAINED
- PROPOSED TREES
- EXISTING SITE BOUNDARY
- LOT BOUNDARY
- EXISTING MAJOR CONTOURS (10.00)

NORTH

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
CLIENT

# PROPOSED SITE PLAN

DRAWING TITLE

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Nominated architect: Daniel Smith, NSW 7776 | VIC 19862 | ACT 2708 | QLD 5631
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SCI_DA006
DRAWING NUMBER

12
ISSUE

1 : 200
SCALES AT A1

24002
PROJECT NUMBER

Autodesk Docs://24001 & 24002 DANEBANK - Stage 3a&b/24002 DANEBANK - Science Wing Council RFDI.rvt
3/10/2025 11:25:08 AM

95
PARK RD

THE AVENUE

VEHICLE CROSSING

EXISTING VEICHULAR CROSSING TO BE REMOVED

EXISTING GARDEN & LANDSCAPING TO BE MODIFIED

EXISTING RAMP TO BE DEMOLISHED

EXISTING GATE AND FENCE TO BE REMOVED

EXISTING TEMPORARY BUILDING TO BE REMOVED

EXISTING HEATER TO BE REMOVED

EXISTING WATER TANKS & AC UNITS TO BE REMOVED

EXISTING AC UNITS TO BE REMOVED

EXISTING TREES TO BE REMOVED

EXISTING BUILDING OVER

EXISTING RAMP TO BE DEMOLISHED

RL 67.80

GARDEN

UNDERCROFT

UNDERCROFT CARPARK

WALKWAY

SYNTHETIC GRASS

PAVED

CONCRETE DRIVEWAY

85 THE AVENUE

81 THE AVENUE

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 3 | 10.05.24 | ISSUE FOR PRE-DA | JS | CM |
| 4 | 05.08.24 | DRAFT ISSUE FOR QS | JS | VG |
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| 10 | 26.11.24 | DA ISSUE | JS | CM |
| 11 | 29.05.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 12 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

- TO BE DEMOLISHED
- SURROUNDING BUILDINGS
- EXISTING SITE BOUNDARY
- LOT BOUNDARY
- EXISTING FENCE TO BE RETAINED
- TREE TO BE RETAINED
- TREE TO BE DEMOLISHED

**DISCLAIMER:**
THE DEMOLITION DRAWINGS PROVIDE AN INDICATION OF THE SCOPE REQUIRED TO CARRY OUT THE ADDITIONS AS THE CONTRACTOR IS DEEMED TO HAVE INSPECTED THE SITE DURING THE TENDER PERIOD. IT IS THEREFORE ASSUMED THAT AN ALLOWANCE HAS BEEN MADE FOR ALL DEMOLITION WORKS INCLUDING SUNDRY WORKS NOT INDICATED ON THIS DRAWING THAT ARE REQUIRED IN ORDER TO CONSTRUCT THE WORKS.

NORTH

SCALE 1:100
0 1 2 3 4 5 10m

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
CLIENT

# DEMOLITION - GROUND LEVEL PLAN

DRAWING TITLE

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SCI_DA080
DRAWING NUMBER
12
ISSUE
1 : 100
SCALES AT A1
24002
PROJECT NUMBER

Autodesk Docs://24001 & 24002 DANEBANK - Stage 3a&b/24002 DANEBANK - Science Wing Council REFZ.rvt
3/10/2025 11:26:49 AM

**NOTE:**
**REFER TO LANDSCAPE ARCHITECTS DRAWINGS FOR DETAIL OF LANDSCAPE**

95 PARK RD

EXISTING LANDSCAPING

existing planter

STEP OR STEP RAMP

LANDING RL 67.100

LANDSCAPE SUBJECT TO SEPARATE PLANNING PATHWAY

Demolish existing driveway and regrade to 1:33

Existing Planter

GARDEN

UNDERCROFT

UNDERCROFT CARPARK

EXISTING CARPARK

EXISTING BUILDING OVER

EXISTING PORCH AND LANDSCAPING

85 THE AVENUE

B SCI_DA290

SCI_DA200

DN

UP

CLN 281

BIN

BIN

DASHED LINE DENOTES LEVEL ABOVE

RL 66.41

RL 66.73

OSD TANK 40m³

PROPOSED GARDEN

CIRCULATION 283

ROLLER DOOR

HWU

AMENITIES 272

ACC.WC 274

LIFT 269

COMMS 276

CHEM. STORE 280

EDB 284

PREP ROOM 255

BENCH SPACE/STORE UNDER

FUME CUPB

7 LOCKERS TO CORRIDOR

32 LOCKERS TO CORRIDOR

4 LOCKERS TO CORRIDOR

BENCH

SCIENCE LAB 01 258 24 SEATS TEACHERS BENCH

SCIENCE LAB 02 259 24 SEATS TEACHERS BENCH

SCIENCE LAB 03 260 24 SEATS TEACHERS BENCH

DP.3

WB

DASHED LINE DENOTES ROOF ABOVE

GATE

FORMAL GARDEN

SPRINKLER

DASHED LINE DENOTES ROOF ABOVE

BOTANIC GARDEN

SEAT

WATER METRE

GARDEN

VEHICLE CROSSING

THE AVENUE

3333 SETBACK

1025 SETBACK

5300 GF FRONT SETBACK

10425

DASHED LINE DENOTES ROOF ABOVE

SCI_DA999

SCI_DA200

SCI_DA270

SCI_DA250

SCI_DA101

1524 CLEAR

RAMP 1:14

WALKWAY

LANDING RL 67.56

1985 CLEAR

RAISED RL 67.56

RL 68.25

RL 68.22

1:40

EXISTING OSD TANK

TIMBER DECK

3840

1190

9000

2700

153.0°

27.0°

SYNTHETIC GRASS

PAVED

39900

9625

9900

9750

81 THE AVENUE

CONCRETE DRIVEWAY

SCALE 1:100

0 1 2 3 4 5 10m

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 6 | 07.08.24 | ISSUE FOR CONSULTANTS | JS | VG |
| 7 | 30.09.24 | DRAFT ISSUE FOR DEVELOPMENT APPLICATION | JS | CM |
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| 11 | 26.11.24 | DA ISSUE | JS | CM |
| 12 | 22.09.25 | FOR CLIENT REVIEW | JS | VG |
| 13 | 23.09.25 | ISSUE FOR CONSULTANTS | JS | VG |
| 14 | 29.09.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 15 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

- PROPOSED WORKS
- EXISTING BUILDINGS RETAINED ON SITE
- EXISTING BUILDINGS OUTSIDE SITE
- EXISTING SITE ACCESS
- EXISTING TREES / VEGETATION RETAINED
- PROPOSED TREES
- EXISTING SITE BOUNDARY
- LOT BOUNDARY
- EXISTING MAJOR CONTOURS (10.00)

NORTH

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
CLIENT

# PROPOSED - GROUND LEVEL PLAN

DRAWING TITLE

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SCI_DA101
DRAWING NUMBER

15
ISSUE

As indicated
SCALES AT A1

24002
PROJECT NUMBER

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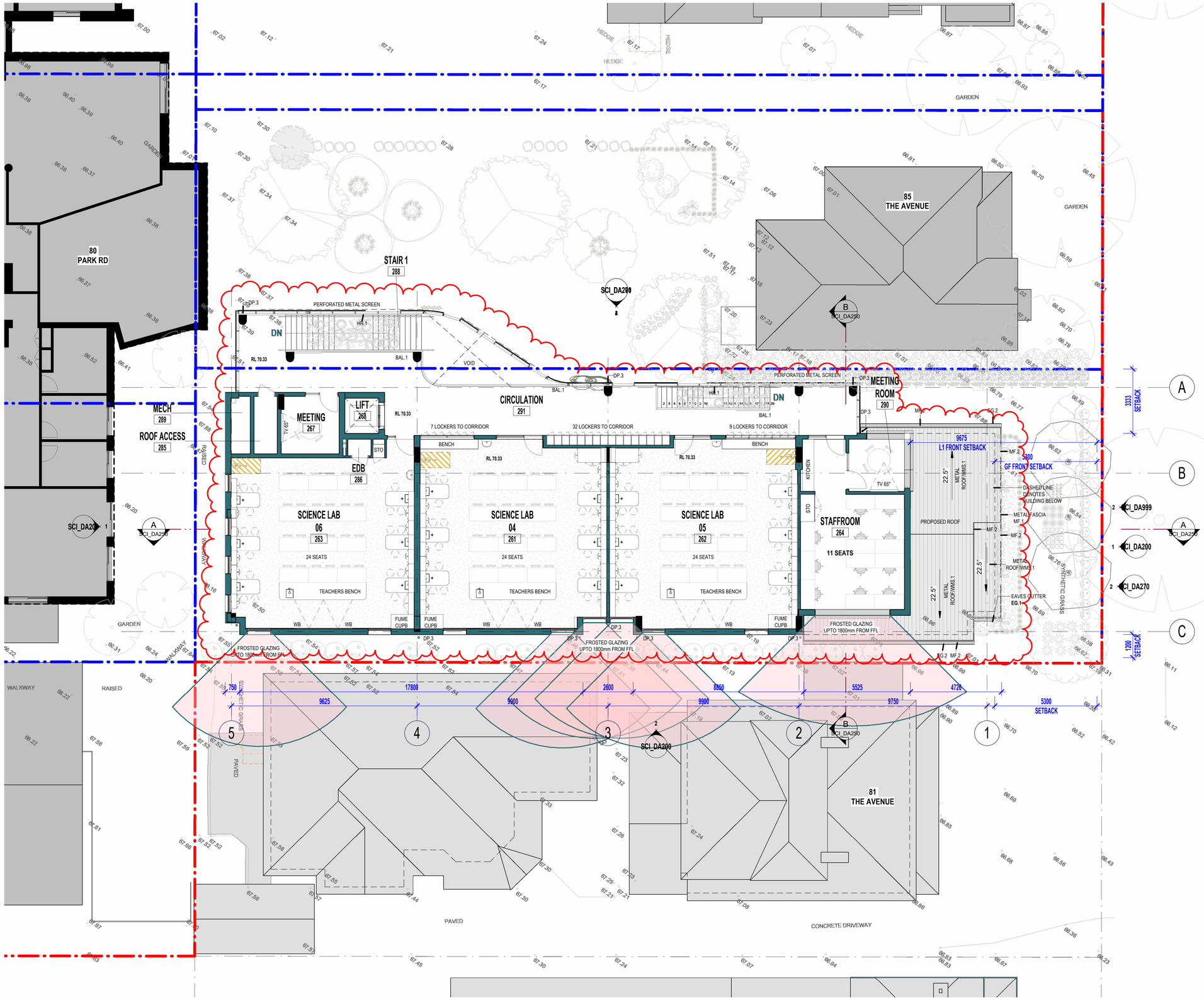


SCALE 1:100

0 1 2 3 4 5 10m

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 6 | 07.08.24 | ISSUE FOR CONSULTANTS | JS | VG |
| 7 | 30.09.24 | DRAFT ISSUE FOR DEVELOPMENT APPLICATION | JS | CM |
| 8 | 04.10.24 | DRAFT DA ISSUE UPDATE | JS | AW |
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| 11 | 26.11.24 | DA ISSUE | JS | CM |
| 12 | 22.09.25 | FOR CLIENT REVIEW | JS | VG |
| 13 | 23.09.25 | ISSUE FOR CONSULTANTS | JS | VG |
| 14 | 29.09.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 15 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

- PROPOSED WORKS
- EXISTING BUILDINGS RETAINED ON SITE
- EXISTING BUILDINGS OUTSIDE SITE
- EXISTING SITE ACCESS
- EXISTING TREES / VEGETATION RETAINED
- PROPOSED TREES
- EXISTING SITE BOUNDARY
- LOT BOUNDARY
- 10.00 EXISTING MAJOR CONTOURS

NORTH

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
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# PROPOSED - LEVEL 1 PLAN

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SCI_DA111
DRAWING NUMBER

15
ISSUE

As indicated
SCALES AT A1

24002
PROJECT NUMBER

Autodesk Docs://24001 & 24002 DANEBANK - Stage 3&4/24002 DANEBANK - Science Wing Council.RVT
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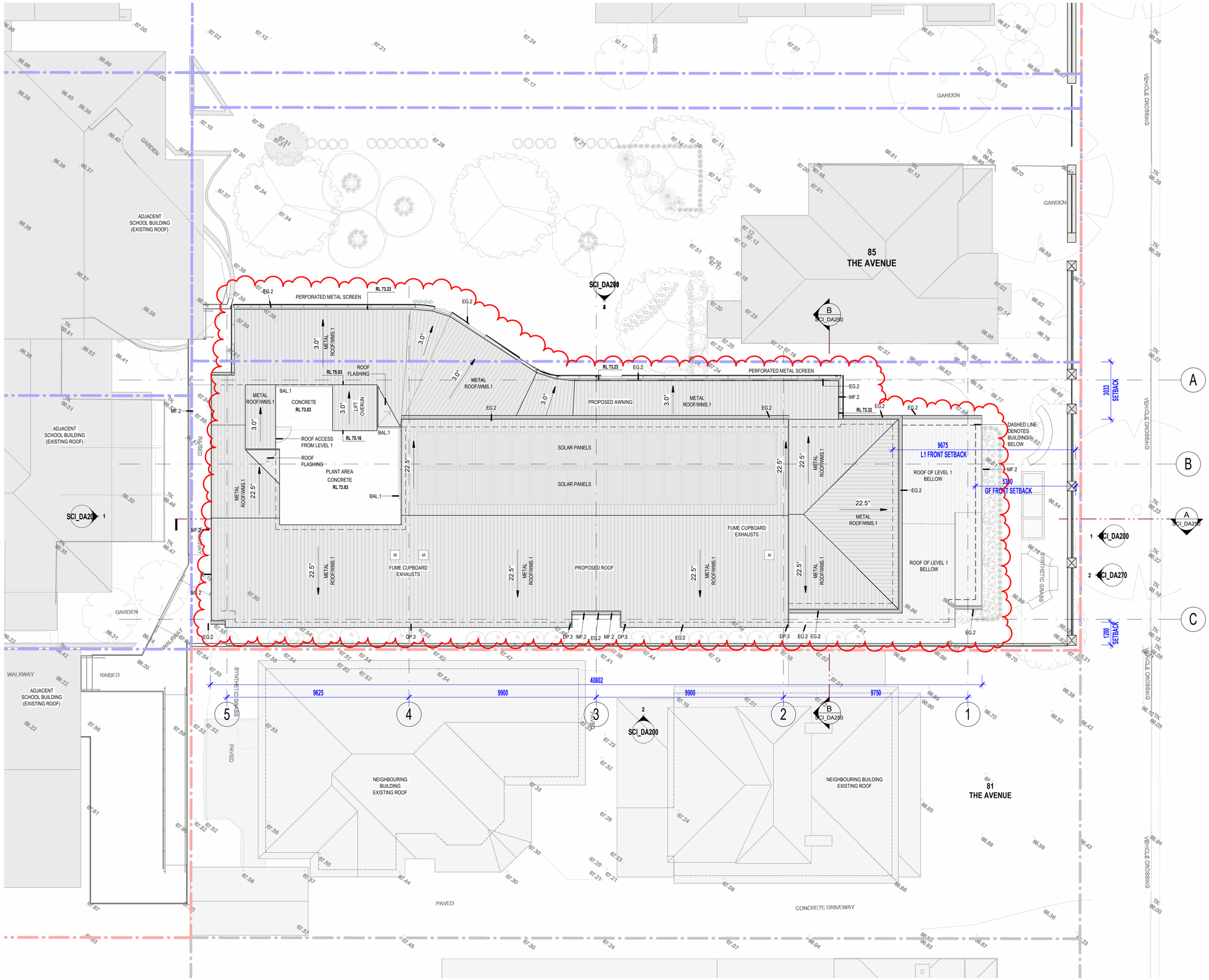


SCALE 1:100

0 1 2 3 4 5 10m

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 5 | 07.08.24 | ISSUE FOR CONSULTANTS | JS | VG |
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| 10 | 26.11.24 | DA ISSUE | JS | CM |
| 11 | 22.09.25 | FOR CLIENT REVIEW | JS | VG |
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| 13 | 29.09.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 14 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

- PROPOSED WORKS
- EXISTING BUILDINGS RETAINED ON SITE
- EXISTING BUILDINGS OUTSIDE SITE
- PROPOSED BUILDERS COMPOUND
- EXISTING SITE BOUNDARY
- LOT BOUNDARY

NORTH

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
CLIENT

# PROPOSED - ROOF PLAN

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SCI_DA112
DRAWING NUMBER

14
ISSUE

As indicated
SCALES AT A1

24002
PROJECT NUMBER

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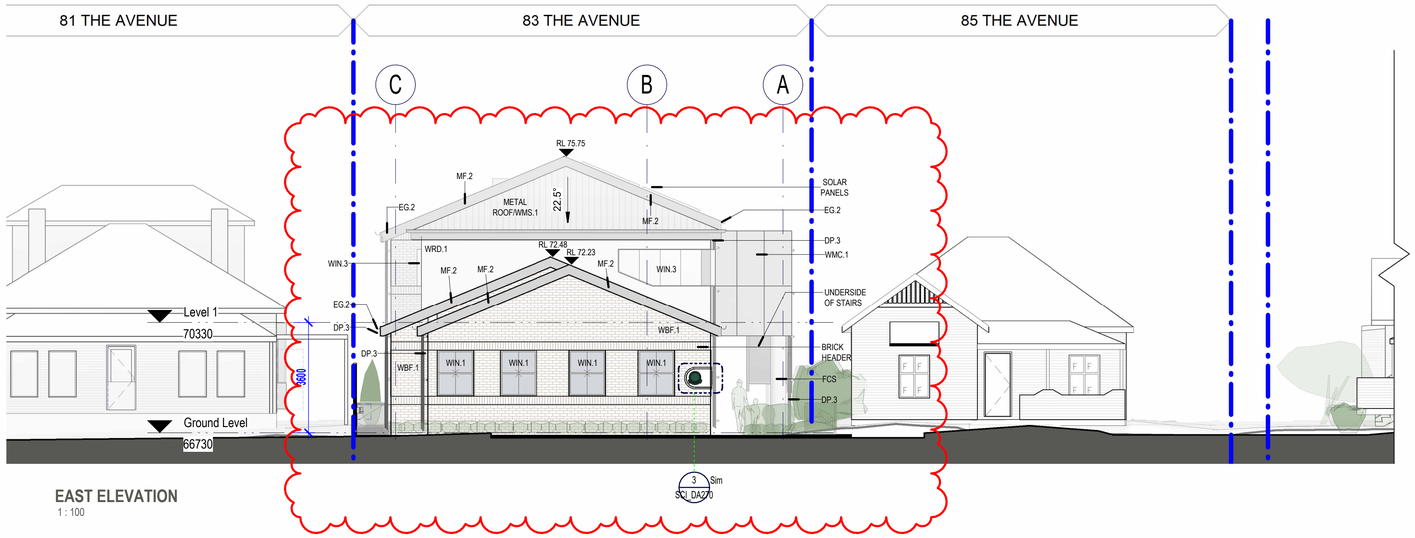
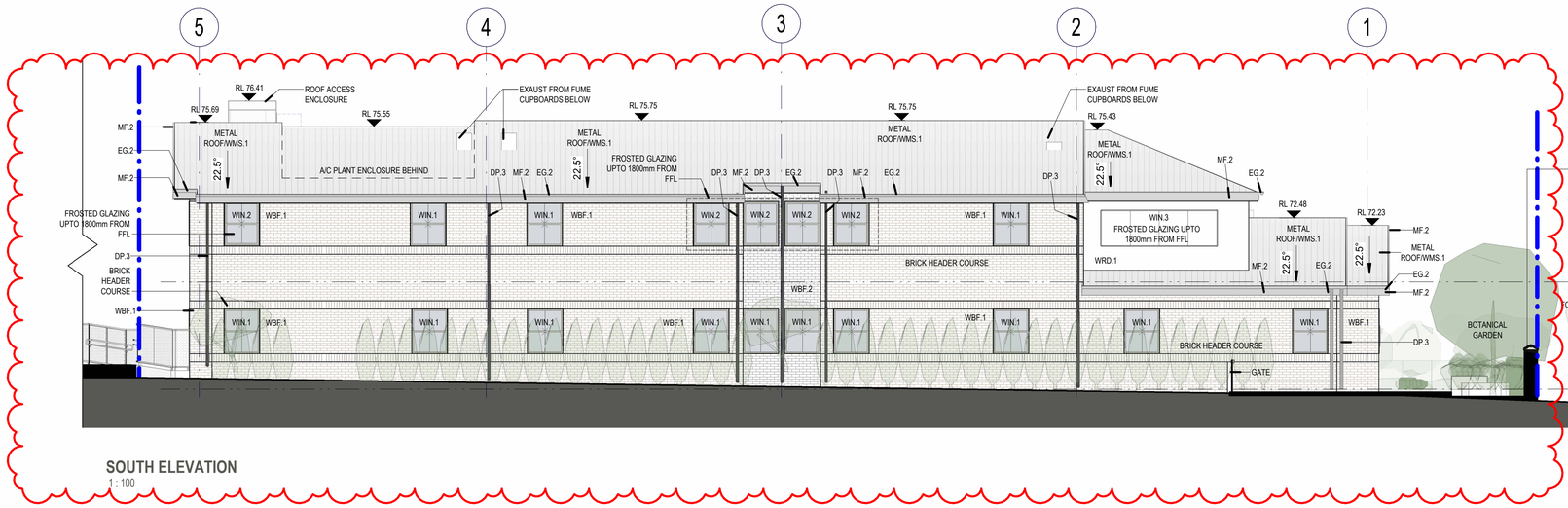
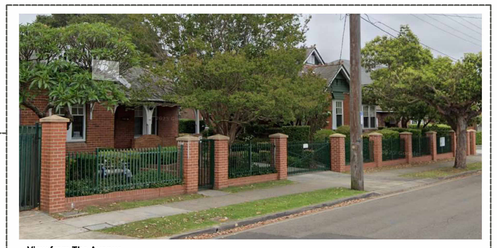



EAST ELEVATION
1 : 100

| LEGEND | |
|---|---|
| CODE | DESCRIPTION |
| DP.3 | DOWNPIPE - PCA.3 |
| EG.2 | GUTTER - PCA.2 |
| FCS | CONCRETE WITH STEEL TROWEL FINISH |
| METAL ROOF/WMS.1 | METAL ROOF - PCA.1 |
| MF.2 | METAL FASCIA - PCA.2 |
| SOLAR PANELS | SOLAR PANELS INSTALLED ON AN ANGLE |
| WBF.1 | BRICKWORK TYPE 01 |
| WBF.2 | BRICKWORK TYPE 02 |
| WIN.1 | WINDOW TYPE 01 - PCA.1 FRAME |
| WIN.2 | WINDOW TYPE 02 - PCA.1 FRAME |
| WIN.3 | WINDOW TYPE 03 - PCA.2 FRAME |
| WMC.1 | PERFORATED METAL SCREEN - PCA.2 |
| WRD.1 | WALL RENDER - PAINT FINISH TO MATCH PCA.2 |




SOUTH ELEVATION
1 : 100



View from The Avenue
Existing fence

## External Finishes
1 : 100

**WBF.1** **BRICK 01**

BOWRAL RENOVATION GERTRUDIS BROWN OR SIMILAR

**WBF.2** **BRICK 02**

BOWRAL BLUE OR SIMILAR

**WMC.1** **METAL SCREENS**

PERFORATED METAL PANELS

**WFC.1** **PREFINISHED FIBRE CEMENT**

WITH PAINT FINISH

**WRD.1** **WALL RENDER**

WITH PAINT FINISH

**WMS.1** **METAL ROOF SYSTEM**

COLORBOND SHALE GREY OR SIMILAR

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 4 | 05.08.24 | DRAFT ISSUE FOR QS | JS | VG |
| 5 | 07.08.24 | ISSUE FOR CONSULTANTS | JS | VG |
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| 13 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
CLIENT

# PROPOSED - ELEVATIONS 1

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SCI_DA200
DRAWING NUMBER

13
ISSUE

1 : 100
SCALES AT A1

24002
PROJECT NUMBER

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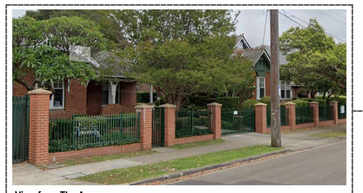
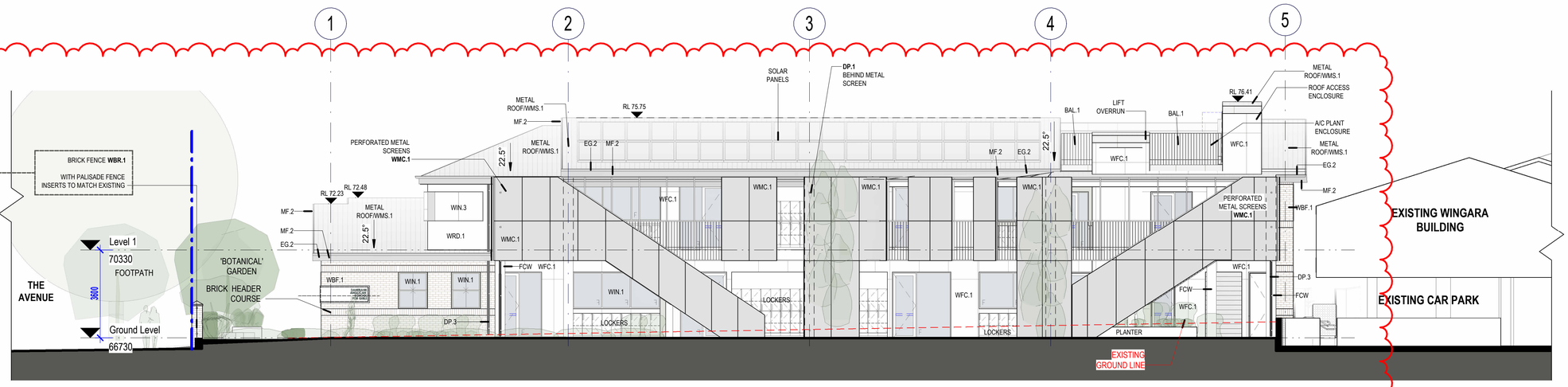
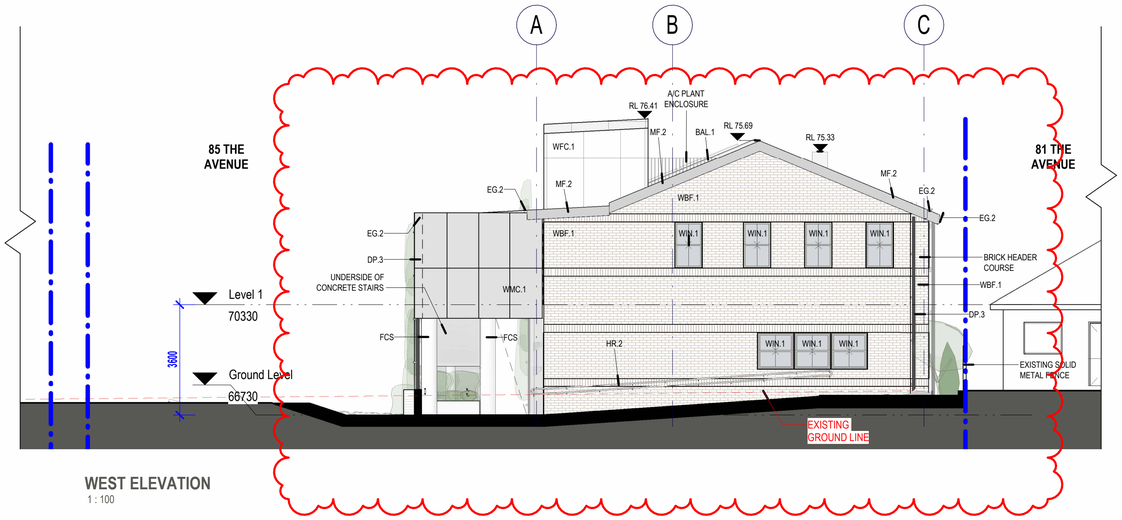


View from The Avenue
Existing fence




NORTH ELEVATION
1 : 100




WEST ELEVATION
1 : 100

| LEGEND | |
|---|---|
| CODE | DESCRIPTION |
| BAL.1 | BALUSTRADE - TYPE 1 |
| DP.3 | DOWNPIPE - PCA.3 |
| EG.2 | GUTTER - PCA.2 |
| FCS | CONCRETE WITH STEEL TROWEL FINISH |
| FCW | CONCRETE WITH WOOD FLOAT FINISH |
| HR.2 | HANDRAIL - TYPE 2 |
| METAL ROOF/WMS.1 | METAL ROOF - PCA.2 |
| MF.2 | METAL FASCIA - PCA.2 |
| SOLAR PANELS | SOLAR PANELS INSTALLED ON AN ANGLE |
| WBF.1 | FIBRE CEMENT TYPE 01 |
| WFC.1 | BRICKWORK TYPE 01 |
| WIN.1 | WINDOW TYPE 01 - PCA.1 FRAME |
| WIN.3 | WINDOW TYPE 03 - PCA.2 FRAME |
| WMC.1 | PERFORATED METAL SCREEN - PCA.2 |
| WRD.1 | WALL RENDER - PAINT FINISH TO MATCH PCA.1 |

## External Finishes
1 : 100

**BRICK 01**

BOWRAL RENOVATION
GERTRUDIS BROWN
OR SIMILAR

**BRICK 02**

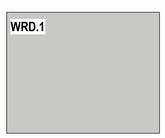
BOWRAL BLUE
OR SIMILAR

**METAL SCREENS**

PERFORATED METAL
PANELS

**PREFINISHED FIBRE CEMENT**

WITH PAINT FINISH




**WALL RENDER**

WITH PAINT FINISH

**METAL ROOF SYSTEM**

COLORBOND SHALE GREY OR
SIMILAR

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 4 | 05.08.24 | DRAFT ISSUE FOR QS | JS | VG |
| 5 | 07.08.24 | ISSUE FOR CONSULTANTS | JS | VG |
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| 12 | 29.09.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 13 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

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# PROPOSED - ELEVATIONS 2

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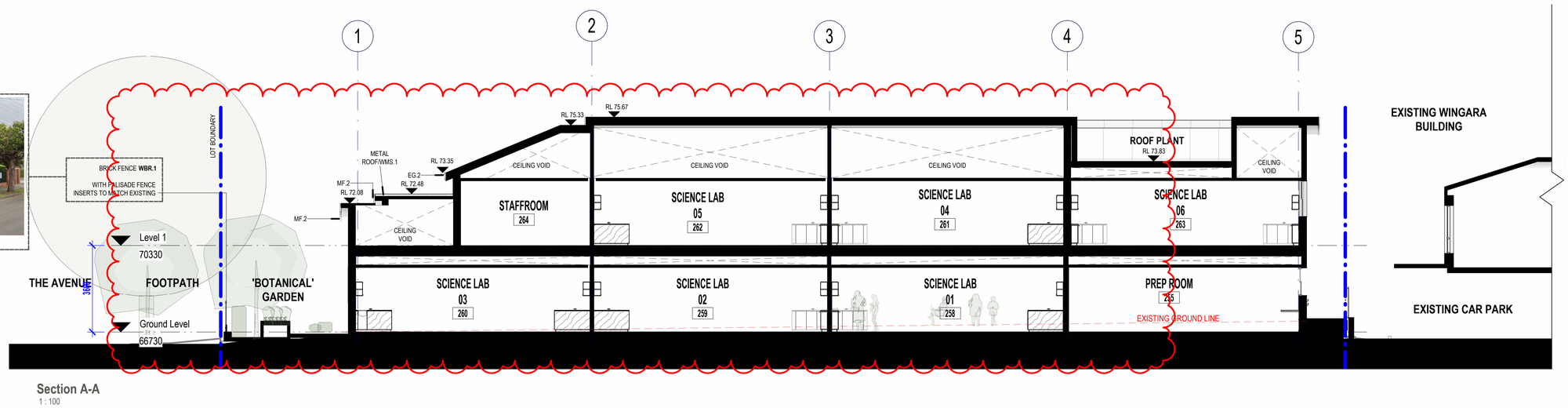
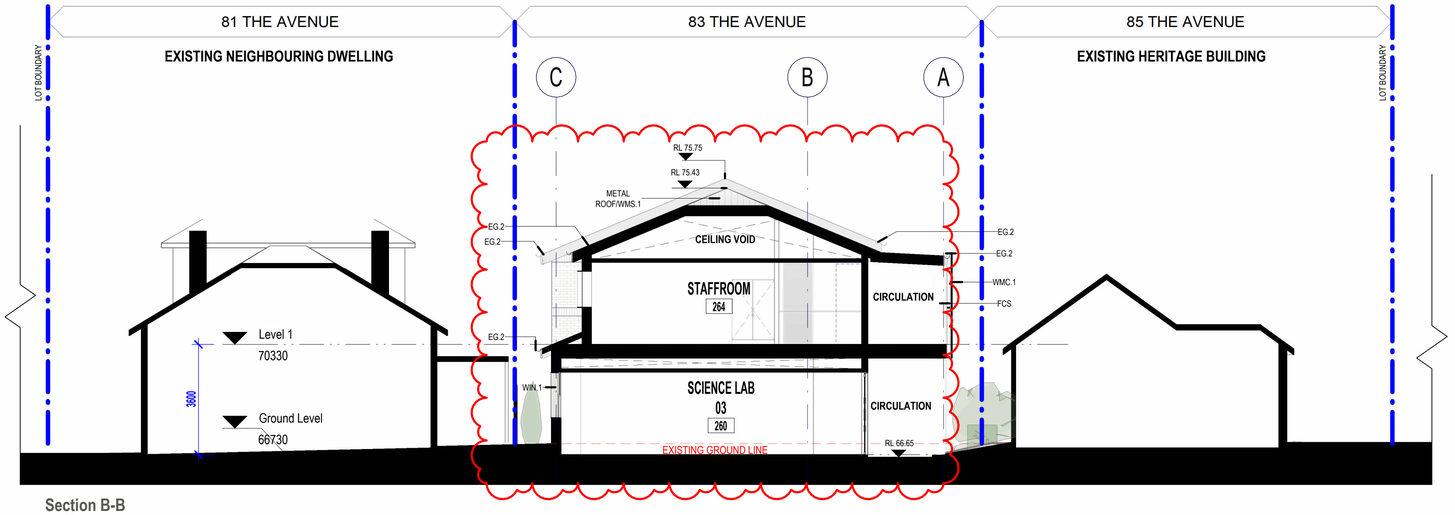
SCI_DA201
DRAWING NUMBER
13
ISSUE
1 : 100
SCALES AT A1
24002
PROJECT NUMBER

Autodesk Docs://24001 & 24002 DANEBANK - Stage 3a&b/25202 DANEBANK - Science Wing Council RFI2.rvt
3/10/2025 11:29:11 AM

View from The Avenue
Existing fence




Section A-A
1 : 100




Section B-B
1 : 100

| LEGEND | |
|---|---|
| CODE | DESCRIPTION |
| EG.2 | GUTTER WITH PCA.2 FINISH |
| FCS | CONCRETE WITH STEEL TROWEL FINISH |
| METAL ROOF/WMS.1 | METAL ROOF WITH PCA.1 FINISH |
| MF.2 | METAL FASCIA WITH PCA.2 FINISH |
| WIN.1 | WINDOW TYPE 02 - OPAQUE GLAZING WITH PCA.2 FRAME |
| WMC.1 | PERFORATED METAL SCREEN WITH PCA.1 FINISH |

## External Finishes
1 : 100

**BRICK 01**

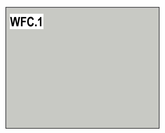
BOWRAL RENOVATION
GERTRUDIS BROWN
OR SIMILAR

**BRICK 02**

BOWRAL BLUE
OR SIMILAR

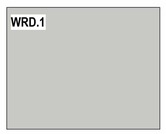
**METAL SCREENS**

PERFORATED METAL
PANELS




**PREFINISHED FIBRE CEMENT**

WITH PAINT FINISH




**WALL RENDER**

WITH PAINT FINISH

**METAL ROOF SYSTEM**

COLORBOND SHALE GREY OR
SIMILAR

Autodesk Docs://24001 & 24002 DANEBANK - Stage 3&4b/24002 DANEBANK - Science Wing Council RFI.rvt
3/10/2025 11:29:39 AM

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 4 | 05.08.24 | DRAFT ISSUE FOR QS | JS | VG |
| 5 | 07.08.24 | ISSUE FOR CONSULTANTS | JS | VG |
| 6 | 30.09.24 | DRAFT ISSUE FOR DEVELOPMENT APPLICATION | JS | CM |
| 7 | 04.10.24 | DRAFT DA ISSUE UPDATE | JS | AW |
| 8 | 01.11.24 | DRAFT FINAL DA ISSUE | JS | AW |
| 9 | 08.11.24 | ISSUE FOR DA | JS | CM |
| 10 | 26.11.24 | DA ISSUE | JS | CM |
| 11 | 23.09.25 | ISSUE FOR CONSULTANTS | JS | VG |
| 12 | 29.09.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 13 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
CLIENT

# SECTIONS 1 AND 2

DRAWING TITLE

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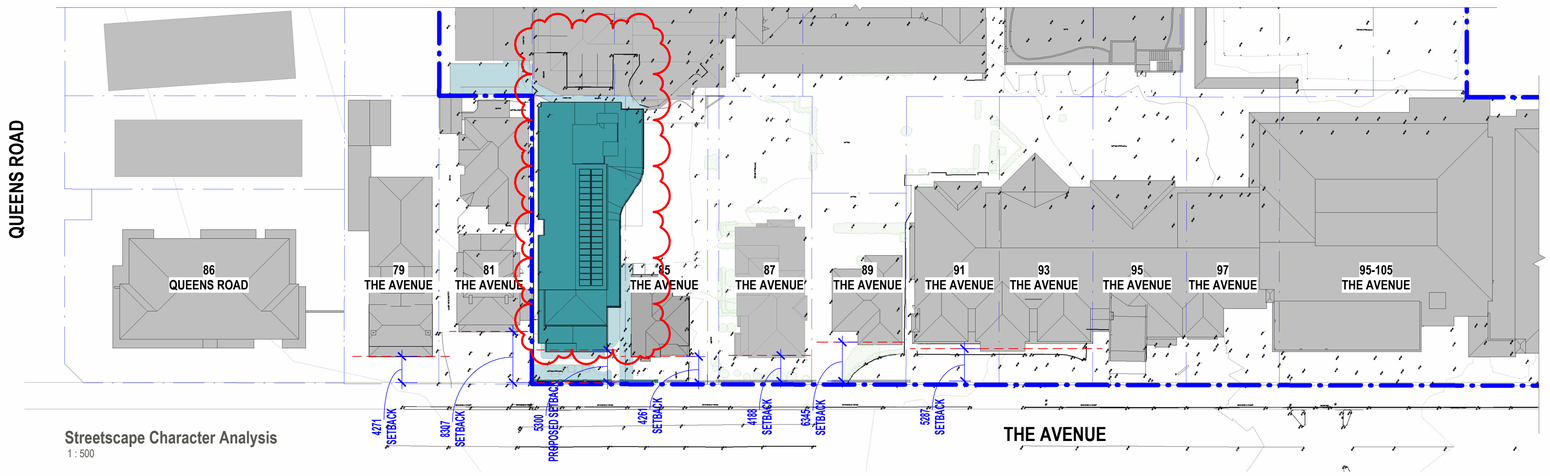
SCI_DA250
DRAWING NUMBER

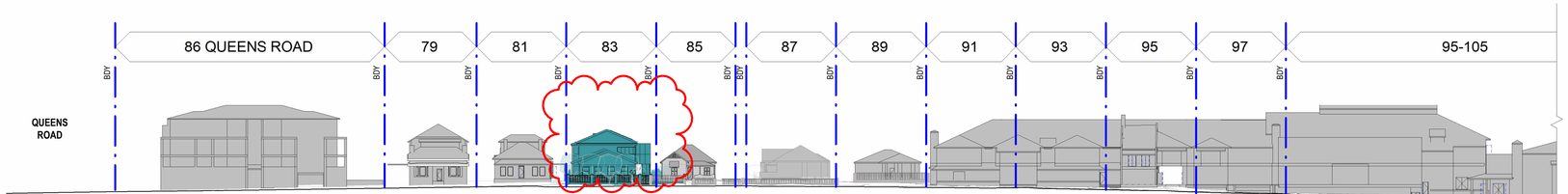
13
ISSUE

1 : 100
SCALES AT A1

24002
PROJECT NUMBER




Streetscape Character Analysis
1 : 500




STREETSCAPE - THE AVENUE
1 : 500

VIEW FROM n.81 THE AVENUE

VIEW FROM n.85 THE AVENUE

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 3 | 10.05.24 | ISSUE FOR PRE-DA | JS | CM |
| 4 | 05.08.24 | DRAFT ISSUE FOR QS | JS | VG |
| 5 | 07.08.24 | ISSUE FOR CONSULTANTS | JS | VG |
| 6 | 30.09.24 | DRAFT ISSUE FOR DEVELOPMENT APPLICATION | JS | CM |
| 7 | 04.10.24 | DRAFT DA ISSUE UPDATE | JS | AW |
| 8 | 01.11.24 | DRAFT FINAL DA ISSUE | JS | AW |
| 9 | 08.11.24 | ISSUE FOR DA | JS | CM |
| 10 | 26.11.24 | DA ISSUE | JS | CM |
| 11 | 29.09.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 12 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

- PROPOSED WORKS
- EXISTING BUILDINGS RETAINED ON SITE
- EXISTING BUILDINGS OUTISIDE SITE
- EXISTING SITE ACCESS
- EXISTING TREES / VEGETATION RETAINED
- PROPOSED TREES
- EXISTING SITE BOUNDARY
- LOT BOUNDARY
- EXISTING MAJOR CONTOURS (10.00)

NORTH

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
CLIENT

# STREETSCAPE - THE AVENUE

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SCI_DA260
DRAWING NUMBER

12
ISSUE

As indicated
SCALES AT A1

24002
PROJECT NUMBER

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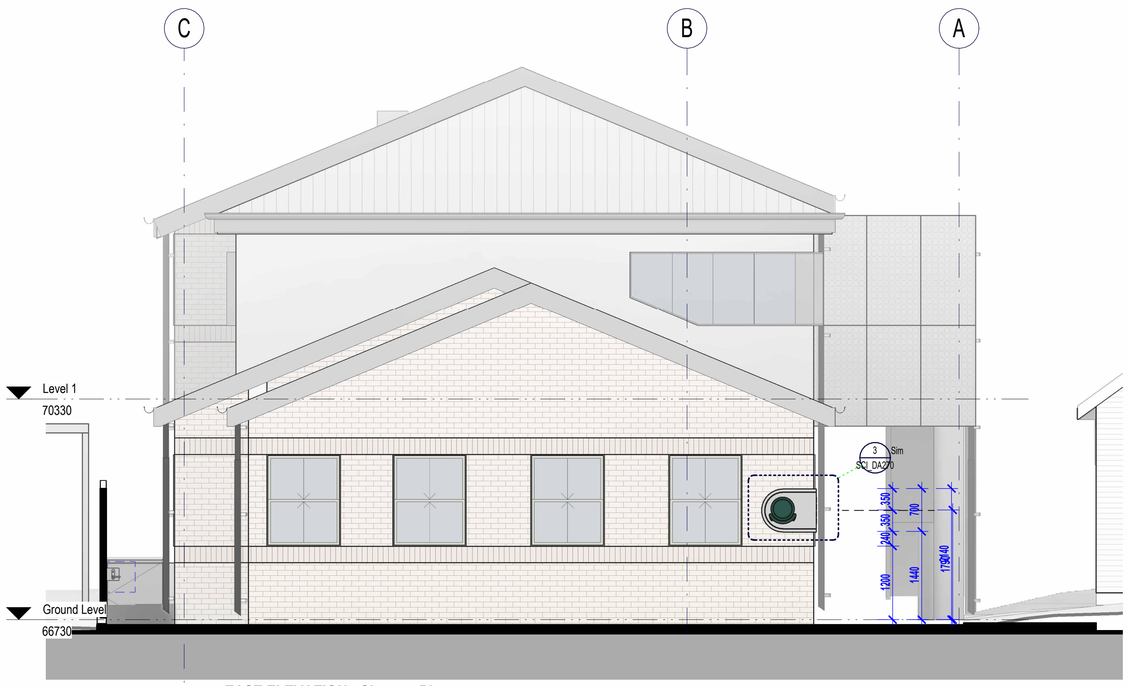
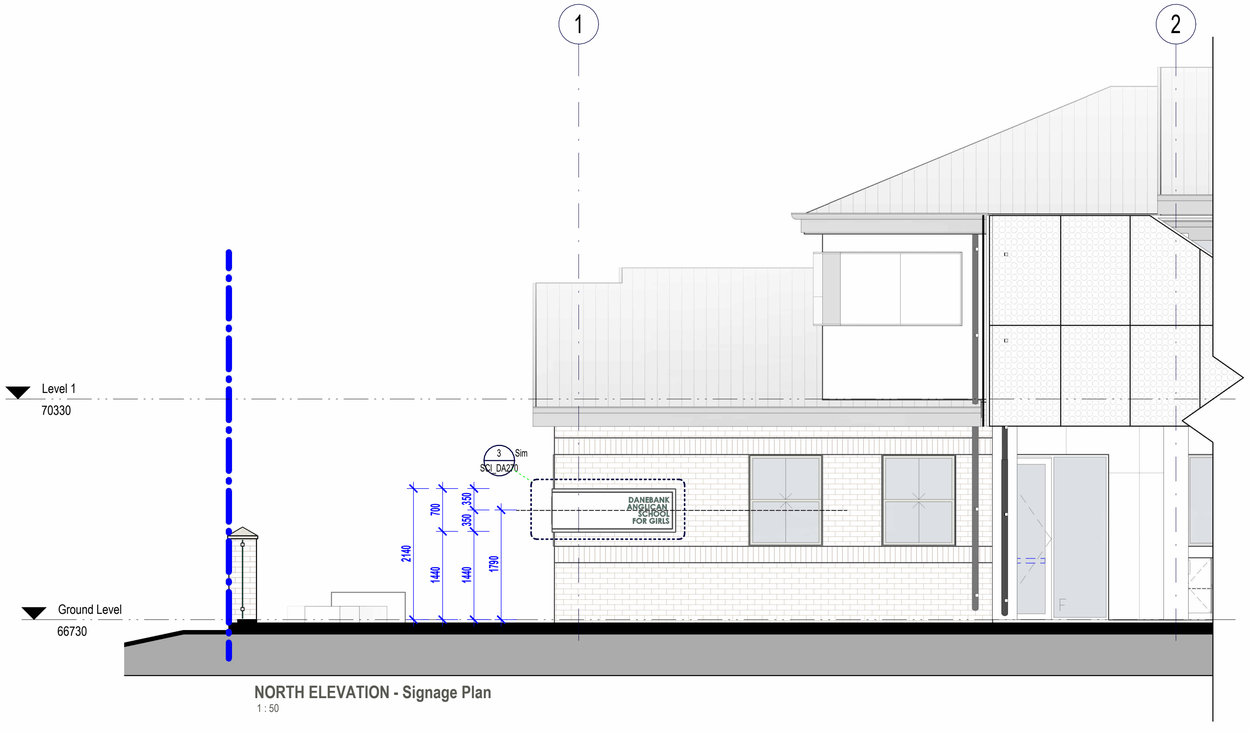
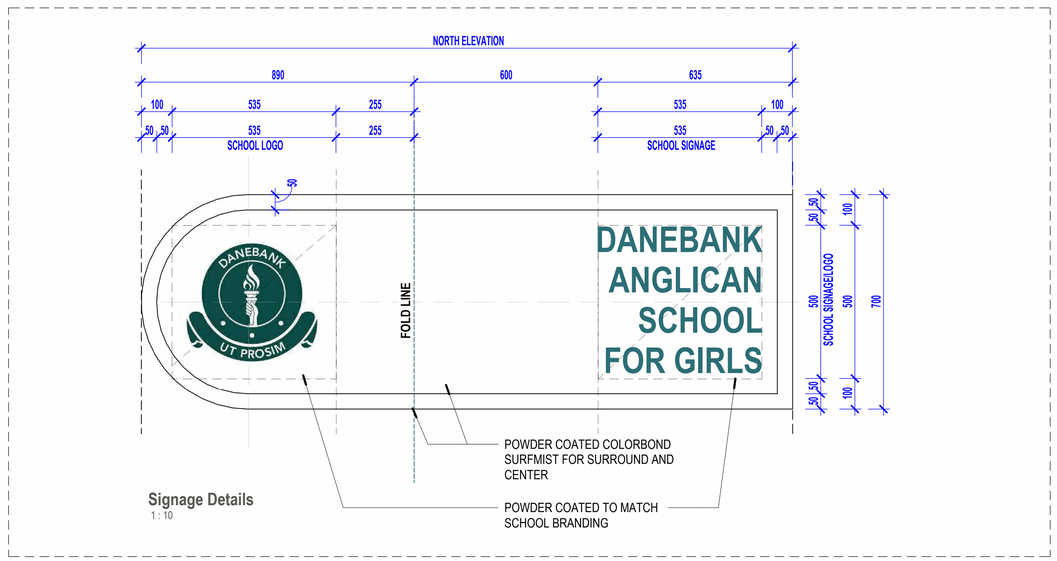



EAST ELEVATION - Signage Plan
1 : 50




NORTH ELEVATION - Signage Plan
1 : 50

ARTIST IMPRESSION - 'BOTANICAL GARDEN'
1 : 1




Signage Details
1 : 10

| ISSUE | DATE | REVISION | CHECKED | DRAWN |
|---|---|---|---|---|
| 1 | 13.11.24 | DA ISSUE | JS | AW |
| 2 | 26.11.24 | DA ISSUE | JS | CM |
| 3 | 29.09.25 | ISSUE FOR CLIENT REVIEW | JS | VG |
| 4 | 03.10.25 | RESPONSE TO COUNCIL RFI | JS | VG |

LEGEND

DEVELOPMENT APPLICATION
PROJECT PHASE

The Science Labs (SL) Building
PROJECT TITLE

83-85 The Avenue, Hurstville NSW 2220
SITE ADDRESS

DANEBANK ANGLICAN SCHOOL FOR GIRLS
CLIENT

# SIGNAGE DRAWING

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DRAWING NUMBER
4
ISSUE
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SCALES AT A1
24002
PROJECT NUMBER

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3/10/2025 11:02:27 AM

LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- EXISTING LEVELS (66.37)
- PROPOSED LEVELS (RL 66.73)
- PROPOSED NEW PATH
- EXISTING PAVING
- EXISTING CONCRETE
- MULCH
- SYNTHETIC TURF
- BENCH SEATING
- CURVED SEATING
- RAISED GROWING GARDEN
- EXISTING PLANTING TO REMAIN
- EXISTING TREE TO BE RETAINED

EXISTING TREE

87 THE AVENUE

EXISTING LANDSCAPING

HEDGE

STEP OR STEP RAMP

existing planter

LANDING RL 67.100

Existing Planter

SW PIT

LANDSCAPE SUBJECT TO SEPARATE PLANNING PATHWAY

EXISTING PORCH

UNDERCROFT

85 THE AVENUE

GARDEN

EXISTING LANDSCAPING

FORMAL GARDEN

CONCRETE PATH

VEHICLE CROSSING

THE AVENUE

Climber to grow up screen

RL 66.41

DN

UP

BIN

2 x bins under stairs
Shade tolerant planting

DASHED LINE DENOTES LEVEL ABOVE

45 OD.200SWH

ROLLER DOOR

OSD TANK 37m3

RL 66.73

CIRCULATION

ACC.WC 274

LIFT

7 LOCKERS TO CORRIDOR

32 LOCKERS TO CORRIDOR

9 LOCKERS TO CORRIDOR

DP3

DASHED LINE DENOTES ROOF ABOVE

GATE

1:15 RAMP

PROPOSED NEW SCIENCE LABS BUILDING

79 OD.200SWH

80 RL 66.41 1DNSWH

LANDING RL 67.37

1:14 RAMP

RL 67.56

SYNTHETIC GRASS

GARDEN BED

TG

PAVED

EXISTING OSD TANK

PIT TIMBER DECK

SINGLE STOREY BRICK DWELLING TILE ROOF No. 2/81

Flowering shrub outside windows

RL 68.22

RDG

81 THE AVENUE

New screen planting between properties

New side metal access gate

Synthetic turf

Layered side boundary planting to re-establish space separation from proposed new building and adjacent heritage item

New pedestrian access gate

Small feature tree to define entry

Curved bench seating for informal break out groups

Small feature tree

Garden to frame new building

Existing boundary fencing to be refurbished to match 85 The Avenue

Mulched garden

Raised planters to promote environmental and sustainability learning opportunities

Small feature tree

Hedge planting to reinforce the established pattern of adjacent residences and maintain the garden setting of the local streetscape

Bench seating for informal break out groups

White flowering deciduous tree for winter sun and summer shade with underplanting

LANDSCAPE KEY PLAN
N.T.S.

**NOTES:**
- Contractors to check and verify all dimensions and all levels on site prior to any works.
- Any discrepancies should be immediately referred to Space Landscape Designs.
- All work to comply with B.C.A. Statutory Authorities and relevant Australian Standards.
- Dimensions recognised over scaling. All measurements are in millimetres.

| Rev. | Date | Issue | Checked |
|---|---|---|---|
| A | 13/11/24 | DA Issue | TB |
| B | 29/11/24 | DA Issue | TB |
| C | 03/12/24 | DA Issue | TB |
| D | 16/06/25 | DA Issue | TB |
| E | 26/09/25 | DA Issue | TB |
| F | 30/09/25 | DA Issue | TB |


SPACE LANDSCAPE DESIGNS

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Suite 138, 117 Old Pittwater Rd, Brookvale NSW 2100


PROJECT: Danebank-Science Lab Building
SITE ADDRESS: 83 & 85 The Avenue, Hurstville NSW 2220
CLIENT: Danebank : An Anglican School for Girls
DRN: A.Elboz (AILA RLA No:22214)
PROJECT NO: 242212

DRAWING TITLE: LANDSCAPE PLAN
DRAWING No: L-010
SCALE: 1:100@A1
Rev: F

**LEGEND**

1 — TREE TO BE RETAINED AND TREE NUMBER - Refer to Arborist Report

1 — TREE TO BE REMOVED AND TREE NUMBER - Refer to Arborist Report

**EXISTING TREE SCHEDULE**

| TREE No. | SPECIES | HEIGHT | SPREAD | STATUS |
|---|---|---|---|---|
| 23 | Syzygium australe | 20 | 16 | Retain |
| 38 | Magnolia grandiflora | 5 | 1 | Retain |
| 39 | Magnolia figo | 3 | 1 | Retain |
| 40 | Polyspora axillaris | 5 | 6 | Retain |
| 41 | Magnolia grandiflora | 5 | 1 | Retain |
| 42 | Magnolia grandiflora | 4 | 1 | Retain |
| 43 | Lagerstroemia indica | 8 | 5 | Retain |
| 44 | Plumeria sp. | 5 | 4 | Retain |
| 45 | Pittosporum tenuifolium | 8 | 3 | Retain |
| 46 | Ligustrum sinense | 5 | 3 | Remove |
| 47 | Ligustrum sinense | 5 | 2 | Remove |
| 48 | Murraya paniculata | 4 | 2 | Remove |
| 49 | Ligustrum sinense | 6 | 2 | Remove |
| 50 | Magnolia figo | 4 | 2 | Remove |
| 51 | Syzygium paniculatum | 14 | 4 | Remove |
| 52 | Cupaniopsis anacardioides | 12 | 5 | Remove |
| 53 | Syzygium paniculatum | 9 | 2 | Remove |
| 54 | Syzygium paniculatum | 9 | 2 | Remove |
| 55 | Syzygium paniculatum | 9 | 2 | Remove |
| 56 | Syzygium paniculatum | 9 | 2 | Remove |
| 57 | Syzygium paniculatum | 9 | 2 | Remove |
| 58 | Syzygium paniculatum | 9 | 2 | Remove |
| 59 | Syzygium paniculatum | 9 | 2 | Remove |
| 60 | Syzygium paniculatum | 9 | 2 | Remove |
| 61 | Syzygium paniculatum | 9 | 2 | Remove |
| 62 | Syzygium paniculatum | 9 | 2 | Remove |
| 63 | Syzygium paniculatum | 9 | 2 | Remove |
| 64 | Syzygium paniculatum | 9 | 2 | Remove |
| 65 | Syzygium paniculatum | 9 | 2 | Remove |
| 66 | Syzygium paniculatum | 9 | 2 | Remove |
| 67 | Syzygium paniculatum | 9 | 2 | Remove |
| 68 | Syzygium paniculatum | 9 | 2 | Remove |
| 69 | Syzygium paniculatum | 9 | 2 | Remove |
| 70 | Syzygium paniculatum | 9 | 2 | Remove |
| 71 | Syzygium paniculatum | 9 | 2 | Remove |
| 72 | Syzygium paniculatum | 9 | 2 | Remove |
| 73 | Lophostemon confertus | 7 | 7 | Retain |
| 74 | Lophostemon confertus | 7 | 7 | Retain |
| 77 | Pyrus calleryana | 6 | 3 | Remove |
| 78 | Pyrus calleryana | 6 | 3 | Remove |
| 79 | Callistemon viminalis | 8 | 3 | Retain |
| 80 | Callistemon viminalis | 6 | 3 | Retain |

TOTAL TREES TO BE REMOVED 29

95 PARK RD

87 THE AVENUE

85 THE AVENUE

81 THE AVENUE

UNDERCROFT

UNDERCROFT CARPARK

EXISTING CARPARK

EXISTING TEMPORARY BUILDING TO BE REMOVED

SINGLE STOREY BRICK DWELLING TILE ROOF No. 2/81

EXISTING GATE

EXISTING PATHWAY

TEMPORARY BUILDING

Existing trees to be removed

Small shrubs to be removed

Existing trees to be retained

PAVED

SYNTHETIC GRASS

CONCRETE DRIVEWAY

CONCRETE PATH

GARDEN

GARDEN BED

METAL GATE

METAL FENCE

VEHICLE CROSSING

ROD STUCK

SPRINKLER

RAMP

CHIMNEY

WATER METRE

RL 67.80

**NOTES:**
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- Dimensions recognised over scaling. All measurements are in millimetres.

| Rev. | Date | Issue | Checked |
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| A | 13/11/24 | DA Issue | TB |
| B | 29/11/24 | DA Issue | TB |
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| E | 26/09/25 | DA Issue | TB |

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PROJECT: Danebank-Science Lab Building
SITE ADDRESS: 83 & 85 The Avenue, Hurstville NSW 2220

CLIENT: Danebank : An Anglican School for Girls
DRN: A.Elboz (AILA RLA No:22214)
PROJECT NO: 242212

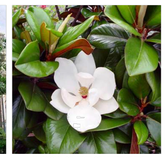
DRAWING TITLE: TREE REMOVAL AND TREE RETENTION PLAN
DRAWING No: L-020
SCALE: 1:100@A1
Rev: E

LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- EXISTING LEVELS (66.37)
- PROPOSED LEVELS (RL 66.73)
- PROPOSED NEW PATH
- EXISTING PAVING
- EXISTING CONCRETE
- MULCH
- SYNTHETIC TURF
- BENCH SEATING
- CURVED SEATING
- RAISED GROWING GARDEN
- EXISTING PLANTING TO REMAIN
- EXISTING TREE TO BE RETAINED

PLANTING PALETTE

LAGERSTROEMIA INDICA 'NATCHEZ'


MAGNOLIA GRANDIFLORA 'TEDDY BEAR'

BUXUS MICROPHYLLA 'JAPONICA'

CAMELLIA SASANQUA 'SLIMLINE AVALANCHE'

CALLISTEMON SALIGNUS 'GREAT BALLS OF FIRE'

CAMELLIA SASANQUA 'PARADISE VENESSA'

LIGULARIA RENIFORMIS

RHAPHIOLEPIS INDICA 'SNOW MAIDEN'

SYZYGIUM AUSTRALE 'UPRIGHT AND TIGHT'

ARTHROPODIUM CIRRATUM 'MATAPOURI BAY'

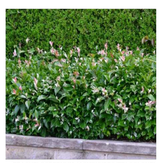
CLIVIA MINIATA 'YELLOW'

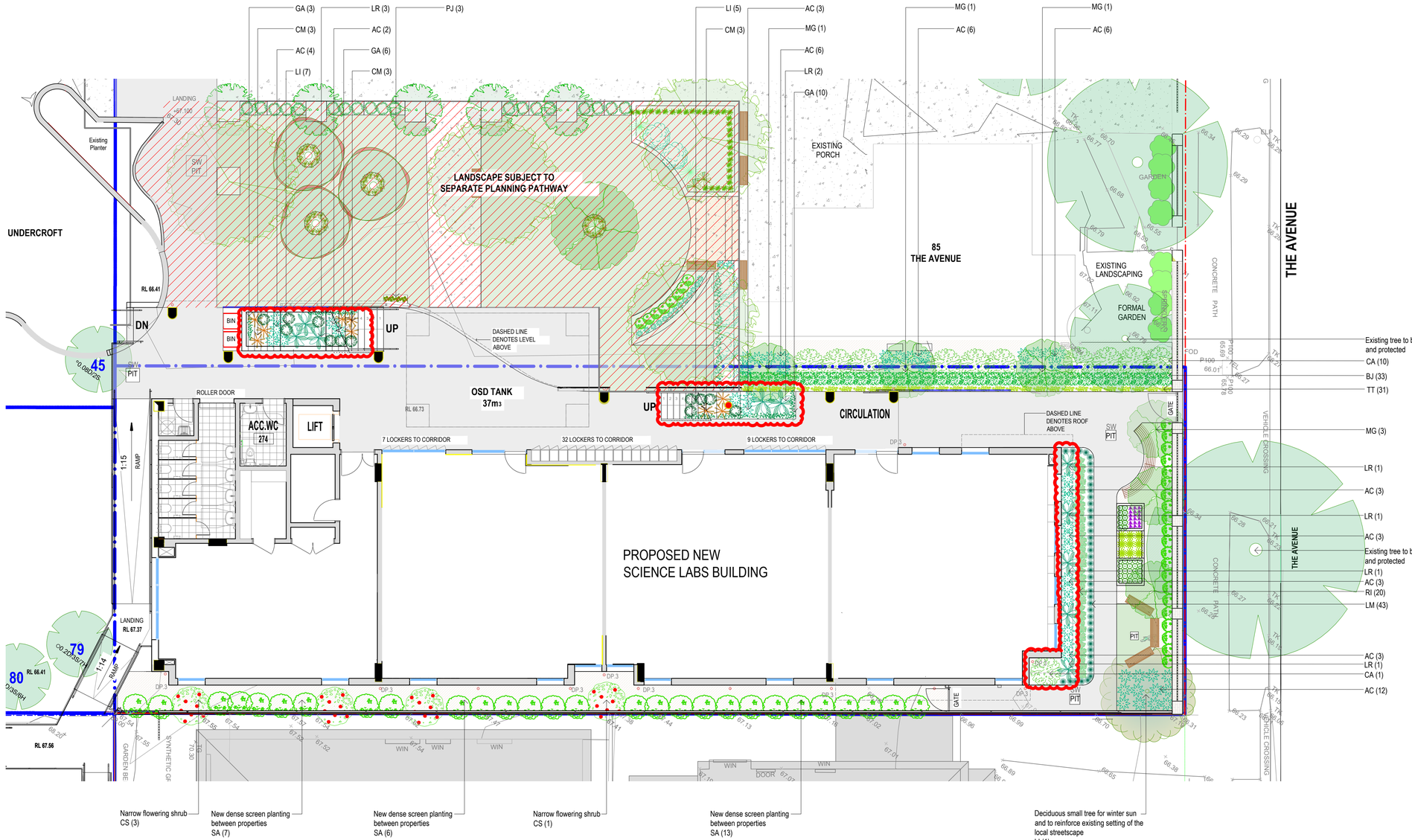
GARDENIA AUGUSTA 'RADICANS'

LIRIOPE MUSCARI 'JUST RIGHT'

LIRIOPE MUSCARI 'PINK PEARL'

PANDOREA JASMINOIDES 'LADY DI'


TRACHELOSPERMUM JASMINOIDES 'TRI-COLOUR'




PROPOSED PLANT SCHEDULE - GROUND LEVEL

| KEY | BOTANICAL NAME | COMMON NAME | QTY | MATURE HGT | POT SIZE |
|---|---|---|---|---|---|
| | **TREES** | | | | |
| LI | LAGERSTROEMIA INDICA x FAURIEI 'NATCHEZ' | NATCHEZ CREPE MYRTLE | 1 | 5m | 75Ltr |
| MG | MAGNOLIA GRANDIFLORA 'TEDDY BEAR' | TEDDY BEAR MAGNOLIA | 6 | 3.5m | 75Ltr |
| | **SHRUBS** | | | | |
| BJ | BUXUS MICROPHYLLA 'JAPONICA' | JAPANESE BOX | 33 | 1m | 250mm |
| CA | CAMELLIA SASANQUA 'SLIMLINE AVALANCHE' | AVALANCHE CAMELLIA | 11 | 2.5m | 300mm |
| CG | CALLISTEMON 'GREAT BALLS OF FIRE' | GREAT BALLS OF FIRE | 21 | 1.8m | 200mm |
| CS | CAMELLIA SASANQUA 'PARADISE VENESSA' | VENESSA CAMELLIA | 4 | 4m | 250mm |
| LR | LIGULARIA RENIFORMIS | TRACTOR SEAT PLANT | 10 | 0.8m | 300mm |
| RI | RHAPHIOLEPIS INDICA 'SNOW MAIDEN' | SNOW MAIDEN | 20 | 0.9m | 300mm |
| SA | SYZYGIUM AUSTRALE 'UPRIGHT AND TIGHT' | UPRIGHT AND TIGHT LILLY PILLY | 28 | 3m | 250mm |
| | **GRASSES / GROUND COVERS** | | | | |
| AC | ARTHROPODIUM CIRRATUM 'MATAPOURI BAY' | RENGA RENGA LILY | 51 | 0.8m | 200mm |
| CM | CLIVIA MINIATA 'YELLOW' | KAFFIR LILY | 9 | 0.6m | 200mm |
| GA | GARDENIA AUGUSTA 'RADICANS' | CREEPING GARDENIA | 19 | 0.3m | 200mm |
| LI | LIRIOPE MUSCARI 'JUST RIGHT' | JUST RIGHT LIRIOPE | 12 | 0.5m | 200mm |
| LM | LIRIOPE MUSCARI 'PINK PEARL' | PINK PEARL LIRIOPE | 43 | 0.3m | 140mm |
| PJ | PANDOREA JASMINOIDES 'LADY DI' | LADY DI | 3 | 0.2m | 200mm |
| TT | TRACHELOSPERMUM JASMINOIDES 'TRICOLOUR' | VARIEGATED JASMINE | 31 | 0.2m | 200mm |

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PROJECT: Danebank-Science Lab Building
SITE ADDRESS: 83 & 85 The Avenue, Hurstville NSW 2220
CLIENT: Danebank : An Anglican School for Girls
DRN: A.Elboz (AILA RLA No:22214)
PROJECT NO: 242212

DRAWING TITLE: PLANTING PLAN
DRAWING No: L-030
SCALE: 1:100@A1
Rev: E

81 THE AVENUE

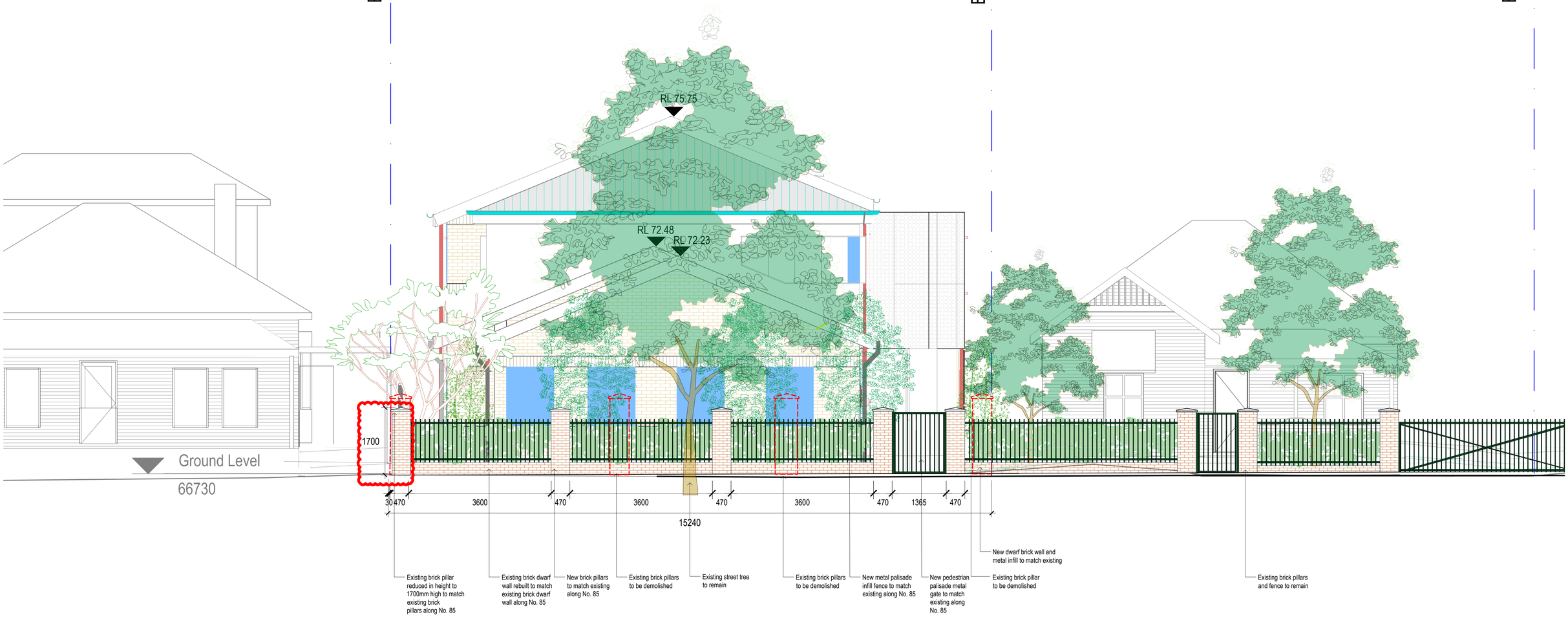
83 THE AVENUE

85 THE AVENUE

BDY

BDY

BDY




**NOTES:**

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- Any discrepancies should be immediately referred to Space Landscape Designs.
- All work to comply with B.C.A. Statutory Authorities and relevant Australian Standards.
- Dimensions recognised over scaling. All measurements are in millimetres.

| Rev. | Date | Issue | Checked |
|---|---|---|---|
| A | 13/11/24 | DA Issue | TB |
| B | 29/11/24 | DA Issue | TB |
| C | 16/06/25 | DA Issue | TB |
| D | 26/09/25 | DA Issue | TB |
| E | 30/09/25 | DA Issue | TB |

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PROJECT:
Danebank-Science Lab Building

SITE ADDRESS:
83 & 85 The Avenue,
Hurstville NSW 2220

CLIENT: Danebank : An Anglican School for Girls

DRN: A.Elboz (AILA RLA No:22214)

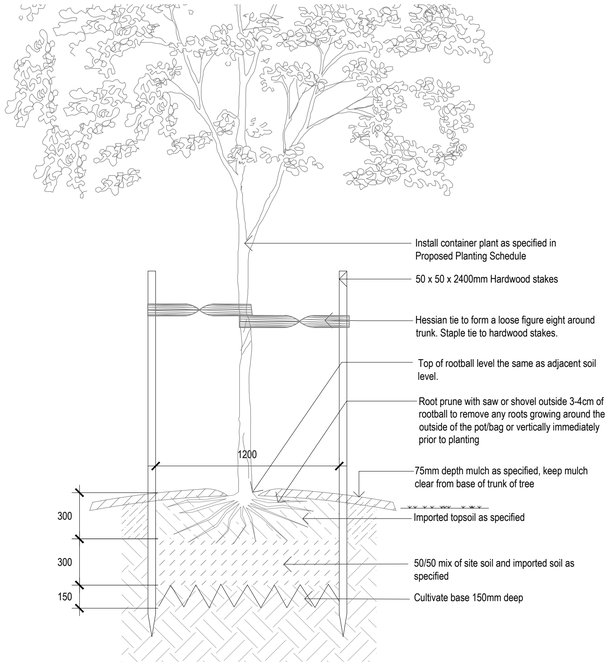
PROJECT NO: 242212

DRAWING TITLE:
FRONT FENCE ELEVATION

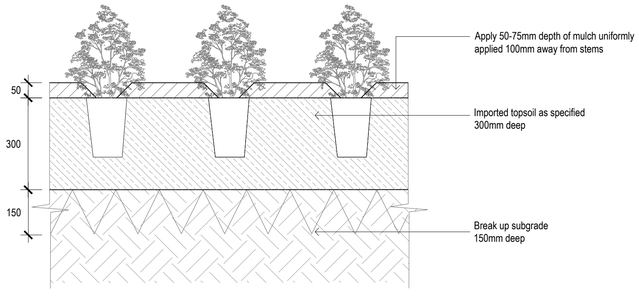
DRAWING No: L-040

SCALE: 1:50@A1

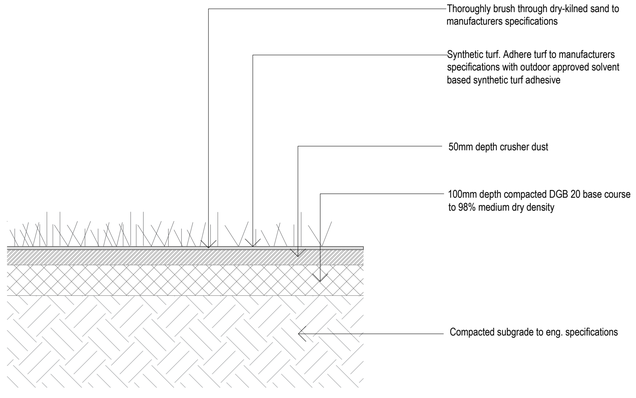
Rev: E




01 TYPICAL TREE PLANTING
SCALE 1:20




02 TYPICAL GARDEN BED DETAIL
SCALE 1:10




03 TYPICAL SYNTHETIC TURF DETAIL
SCALE 1:10

## LANDSCAPE SPECIFICATION NOTES

**SITE PREPARATION**
Locate any underground and overground services & ensure no damage occurs. Levels on plan are nominal only & all dimensions to be checked on site prior to commencement. Final structural integrity of all items shall be the sole responsibility of landscape contractor.

**WORKMANSHIP AND MATERIAL QUALITY**
Materials and workmanship are to conform to the current applicable Australian Standard Specifications and Codes. Any work or materials, which, in the opinion of the Site Manager do not meet appropriate industry standards should be rejected. Where works are adjacent to existing works, make proper junctions between new and existing works and make good any damage caused to adjoining existing and retained works.

**ELIMINATE WEEDS**
Remove all existing weeds by hand, wiping or spraying with a glyphosate based herbicide. Weed control shall never be performed by mechanical cultivation or by scraping. Herbicide spraying is to be used to eliminate all existing weeds 30 days prior to planting.

**PLANTING MEDIA**
All soils must comply with AS 4419-2018 Soils for Landscaping and Garden Use. Spread the soil and grade evenly, making allowances, if appropriate, for the required finished levels and contours after light compaction.Grade gardens to drain freely, without ponding, to catchment points.

**IMPORTED MEDIA**
Spread the topsoil on the prepared subsoil and grade evenly, making allowances, if appropriate, for the following:
- Required finished levels and contours after light compaction.
- Compact lightly and uniformly in 150 mm layers. Avoid differential subsidence and excess compaction and produce a finished topsoil surface which has the following characteristics:
- Finished to design levels, smooth and free from stones or lumps of soil. Graded to drain freely, without ponding, to catchment points. Grade evenly into adjoining ground surfaces ready for planting.

**PLANTING AREA**
Remove weeds, rubbish, mulch and other debris. Do not disturb tree roots or services and if necessary cultivate these areas by hand. Spread topsoil on the prepared subsoil and grade evenly, making the necessary allowance to permit the required finished levels and contours after a light compaction. Spread topsoil to the typical depth of 300mm. Feather edges into adjoining undisturbed ground.

**PLANT STOCK**
Plant stock to be supplied by production nurseries in accordance with AS 2303:2018 Tree Stock for Landscape Use.
Health & Vigour: Supply plants with foilage size, texture & colour consistent with that shown in healthy specimens of the species. Balance of Crown: Supply plants with max. variation in crown bulk on opposite sides of stem axis, +/- 20%. Stock selection should also be based on NATSPEC Guide *Specifying Trees: a Guide to Assessment of Tree Quality*

**TREE DELIVERY**
Carefully load, transport and unload, at the nominated site, the specified trees. All trees are to be delivered in such a way to prevent in transit wind damage. All trees shall be watered prior to loading for delivery. Plants shall not be contained within delivery vehicles for a period longer than 24hrs. Trees shall be carefully unloaded using methods appropriate to the size and weight of the trees. Damage to trees sustained during transport or unloading will result in those plants being rejected. Plants shall conform to the requirements at the time of delivery to the planting site. Transpiration shall be minimised during transport to prevent subsequent wilting or unseasonal defoliation. Plants that have been allowed to wilt or dry out during transport shall be rejected, irrespective of any previous acceptance. The soil mass of the root ball shall be securely contained and supported during transport. Root balls that have been unreasonably fractured, deformed or slumped during transit or unloading should not be accepted.

**TREE PLACEMENT AND ALIGNMENT**
When the tree pit is excavated and the hole is the correct size, place the rootball in its final position. Ensure the trees are centred and plumb and the top of the rootball level with the finished surface of the surrounding soil mix. Do not use the trunk of the tree as a lever in positioning or moving the tree in the planting hole. Position the tree at the set out distances as indicated in the details. Ensure trunks are set vertically and aligned with other new or existing trees. Orientate the trees trunk north where indicated by supplied markings where applicable.

**ROOT TRIMMING**
All trees shall have the outer 10-25mm of the external root ball faces pruned or sliced away using secateurs or a sharp and clean spade. Avoid excessive disturbance to the remaining root ball during this trimming and discontinue if excessive root ball soil begins to fall away. Do not leave the root balls exposed for extended periods. Cover the root ball with moist hessian if backfilling cannot occur immediately.

**STAKING**
Install 3 x 2100mm (H) x 50mm x 50mm hardwood timber stakes with hessian ties to all trees. Provide appropriate support considering exposure to prevailing winds. Stakes and hessian ties to be removed as soon as the tree is self supporting.

**BACKFILLING**
Backfill with soil mix as specified in soil mixes and in accordance with the details and specification. Lightly compact the soil to ensure all voids around root balls are filled and that no air pockets are retained. Ensure that the backfill soil is not paced over the top of the potted root ball. The top of the root ball and plant stem must be kept level with the top of the backfill.

**FERTILISING**
Fertiliser to be applied at time of planting. Slow release landscape fertiliser suitable for trees and shrubs, 9 to 12 months release time. Osmocote or approved equivalent applied according to manufacturers directions.

**IRRIGATION SYSTEM**
Install sub surface drip irrigation with even spacing to ensure a uniform moisture application. The irrigation system is to be designed & installed by a specialist Irrigation Subcontractor. The irrigation system is to be a fully automatic system, either a *proprietary* system, or an Electrical & Hydraulic *Engineer* Certified system made up of *proprietary* components. It is to supply water to all plant life at a rate & consistency to promote that plant life health. Water delivered by the irrigation system is not to create run-off or erosion, and is not to fall on non-soft landscaping areas & not to fall on non-soft landscaping elements outside of the area of planting.
New inground dripline irrigation system to be installed with backflow preventer and with timers. It is the Contractor's responsibility to verify water pressure available and determine all design-built parameters prior to any installation and sizing of irrigation components. Irrigation system to be connected to water tank to supplement water from mains.

**MULCHING**
Mulch all gardens to reduce the opportunity for blow-in weed species to readily establish. Mulch will also provide a stable ballast layer protecting the substrate layer during plant establishment from excessive winds. All mulching must comply with AS 4454-2012 Compost, soil conditioners and mulches
and must be sourced from a certified fully licensed Australian Standard producer.

All planting areas at ground level to receive 50-75mm of garden Mulch, to match existing onsite. Keep mulch 100mm away from plant stem & form a well to stop excessive water runoff. Finish flush with adjacent surfaces. Following planting tamp lightly to give an even graded surface. Care shall be taken not to mix soil and mulch together.

All landscaping must comply with AS 4454-2012 Compost, soil conditioners and mulches.

**WATERING**
Water in immediately after plant installation & allow for soil settlement. Watering program: Minimum 3 complete waterings, soaking to a depth of 150 mm at fortnightly intervals for the first 6 weeks of plant establishment. Avoid frequent dampening of the surface. Allow the surface of the soil to partially dry out between waterings.

**SYNTHETIC TURF**
Install Synthetic Turf as shown on Plan.
Preparation: Place and compact minimum 50 mm cement stabilised crusher dust as bedding layer for synthetic grass.
Laying: Cut to shape and spread without wrinkles.
Joints: To the manufacturer's detail.
Topping: White kiln dried sand free from vegetable matter or any other impurities to depth of 12 mm.

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- Dimensions recognised over scaling. All measurements are in millimetres.

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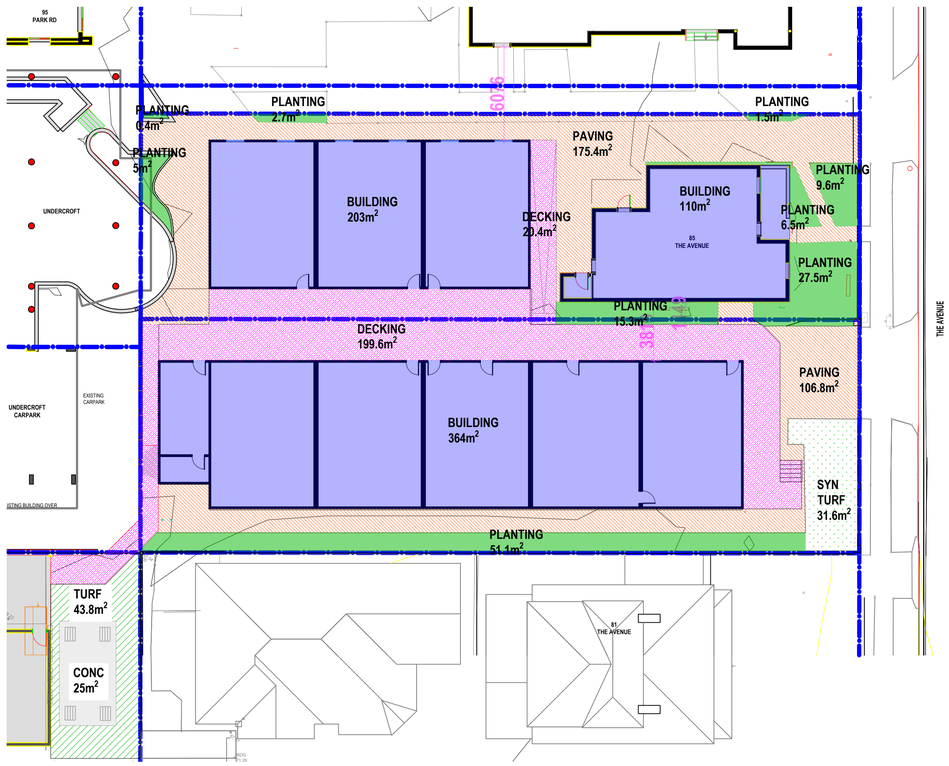
DRN: A.Elboz (AILA RLA No:22214)
PROJECT NO: 242212

DRAWING TITLE: LANDSCAPE DETAILS
DRAWING No: L-050
SCALE: as shown@A1
Rev: D

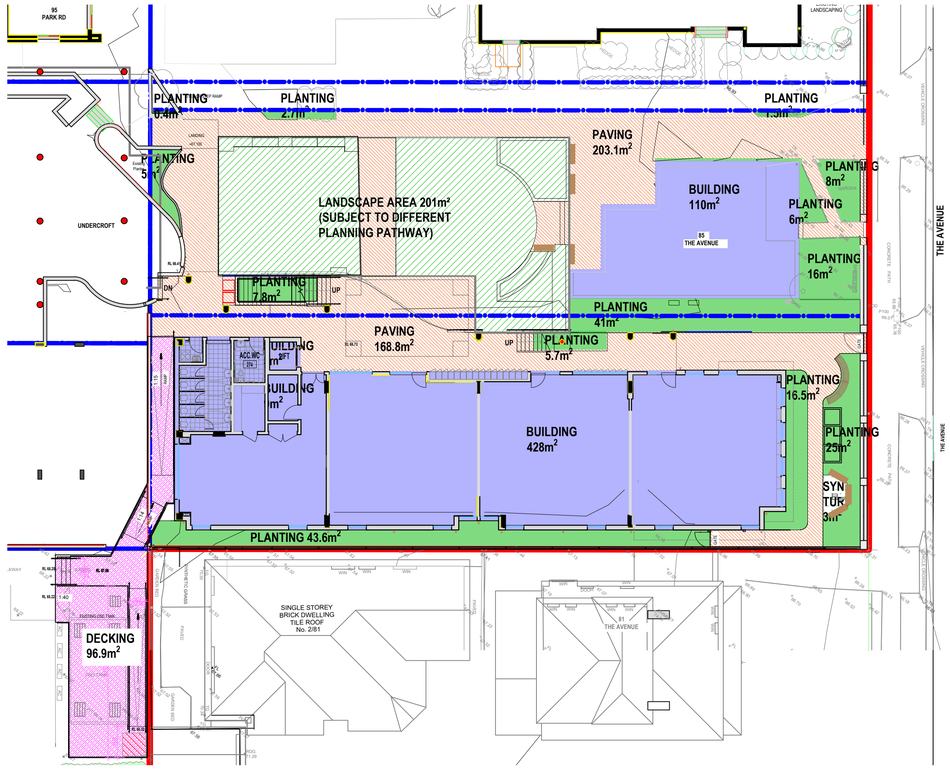
LEGEND

- TURF
- PLANTING
- SYNTHETIC TURF
- PAVING
- DECKING
- BUILDING
- CONCRETE




DEEP SOIL PLAN - EXISTING

SCALE 1:200




DEEP SOIL PLAN - PROPOSED

SCALE 1:200

| AREA CALCULATIONS | | |
|---|---|---|
| | EXISTING | PROPOSED |
| DEEP SOIL LANDSCAPED AREAS | 195m² | 380.2m² |
| HARD PAVED AREAS | 494.7m² | 371.9m² |
| BUILDING FOOTPRINT | 677m² | 538m² |
| DECKING | 220m² | 96.9m² |
| CONCRETE | 25m² | 0m² |

**NOTES:**

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- Dimensions recognised over scaling. All measurements are in millimetres.

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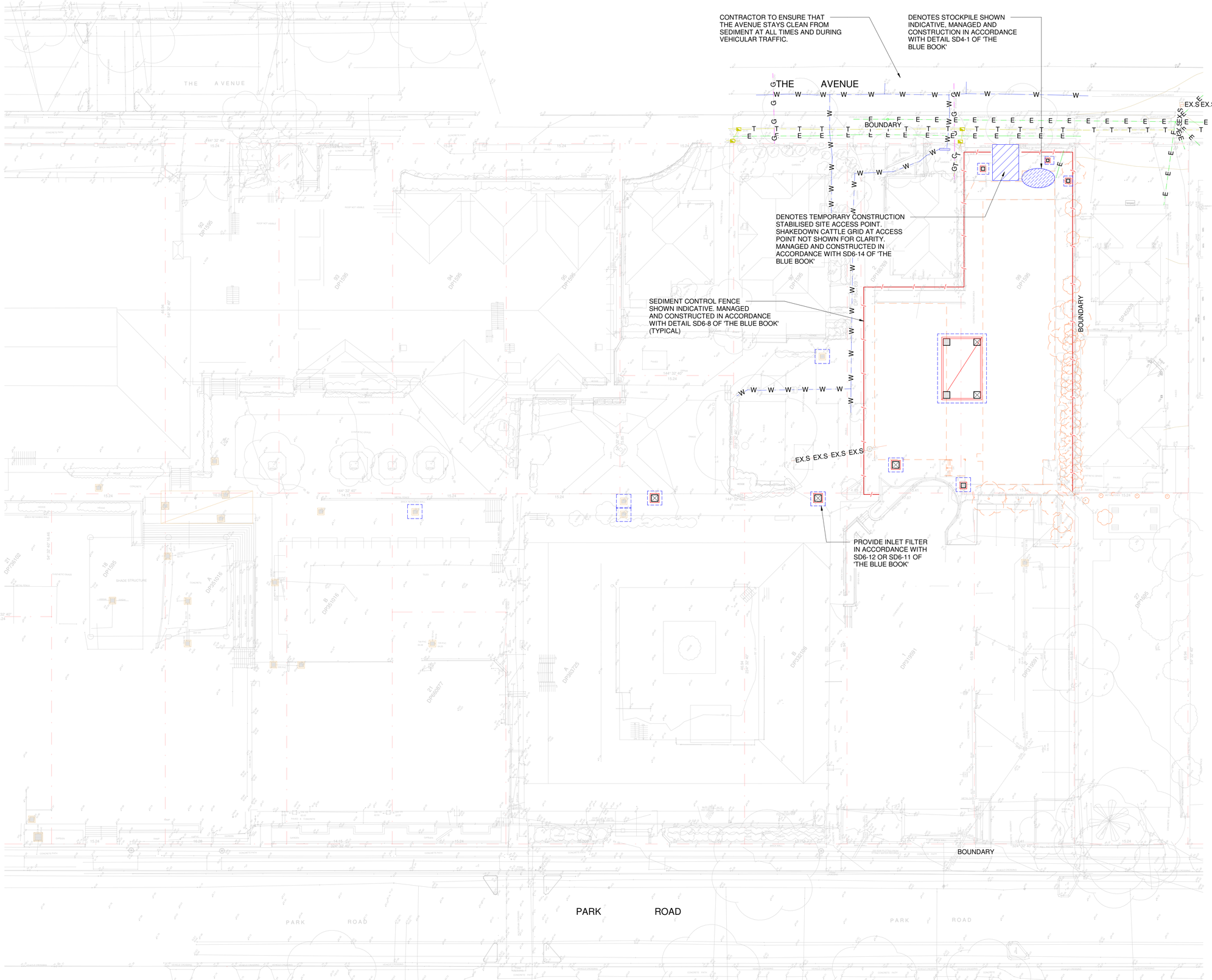
DRN: A.Elboz (AILA RLA No:22214)

PROJECT NO: 242212

DRAWING TITLE: DEEP SOIL PLAN

DRAWING No: L-060 SCALE: 1:200@A1 Rev: D




## SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE 1 : 250

PRINT IN COLOUR

# EROSION & SEDIMENT CONTROL NOTES

1. Contractor shall provide sediment fencing material during construction to the low side of the works. Tie sediment fencing material to cyclone wire security fence. Sediment control fabric shall be an approved material (e.g. Humes propex silt stop) standing 300mm above ground & extending 150mm below ground.
2. Existing drains located within the site shall also be isolated by sediment fencing material.
3. No parking or stockpiling of material is permitted on the lower side of the sediment fence.
4. Grass verges shall be mantained as much as practical to provide a buffer zone to the construction site.
5. Construction entry/exit shall be via the location noted on the drawing. Contractor shall ensure all droppable soil & sediment is removed prior to construction traffic exiting the site. Contractor shall ensure all construction traffic entering & leaving the site do so in a forward direction.
6. Maintenance and auditing of sediment and erosion control shall be in accordance with the blue book and any relevant consent conditions.
7. Low points of excavation shall be pumped to the sediment basin where provided.
8. Provide wind, and dust control in accordance with the blue book.
9. Provide bunds and catch drains at the top of all batters so batters are not eroded with overland flow stormwater runoff.

## SOIL EROSION AND SEDIMENT CONTROL LEGEND:

DENOTES SEDIMENT CONTROL FENCE IN ACCORDANCE WITH SD6-8 OF THE BLUE BOOK

DENOTES GEOTEXTILE INLET FILTER IN ACCORDANCE WITH SD6-11 OR SD6-12 OF THE BLUE BOOK

DENOTES TEMPORARY CONSTRUCTION STABILISED SITE ACCESS POINT IN ACCORDANCE WITH SD6-14 OF THE BLUE BOOK. (SHAKEDOWN CATTLE GRID AT ACCESS POINT NOT SHOWN FOR CLARITY)

DENOTES STOCKPILE SHOWN INDICATIVE MANAGED AND CONSTRUCTED IN ACCORDANCE WITH SD4-1 OF THE BLUE BOOK

SITE BOUNDARY

DENOTES PROPOSED BUILDING EXTENT

EXISTING TO BE DEMOLISHED

PRPOSED HAY BALE FILTER IN ACCORDANCE WITH SD6-7 OF THE BLUE BOOK

PROPOSED SANDBAG OR GEOTEXTILE SOCK FILLED WITH GRAVEL AT INVERT OF GUTTER

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

A1 0 1 2 3 4 5 6 7 8 9 10

THIS MAY BE A REDUCED SIZE PRINT - CHECK SCALE

N

**DA ISSUE**
NOT FOR CONSTRUCTION

| ISSUE | DESCRIPTION | APPROVED | DATE |
|---|---|---|---|
| P3 | FOR DA ISSUE | | 02.12.24 |
| P2 | 80% DA | | 09.10.24 |
| P1 | 60% DA | | 20.08.24 |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PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS - THE SCIENCE LABS BUILDING
83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
SOIL EROSION & SEDIMENT CONTROL PLAN

| SCALES | DATE |
|---|---|
| 1:250 @ A1 | AUG' 2024 |

| DRAWN | DESIGN | VERIFIED | APPROVED |
|---|---|---|---|
| C.KE | G.K | | |

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| ISSUE | PROJECT No. | DRAWING No. |
|---|---|---|
| P3 | 9179 | SL_C.10 |

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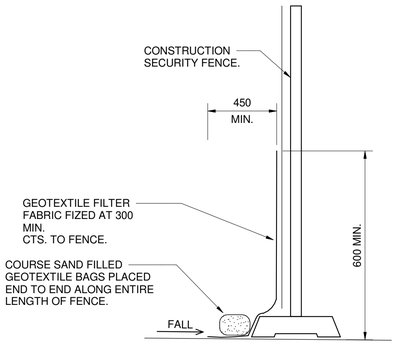
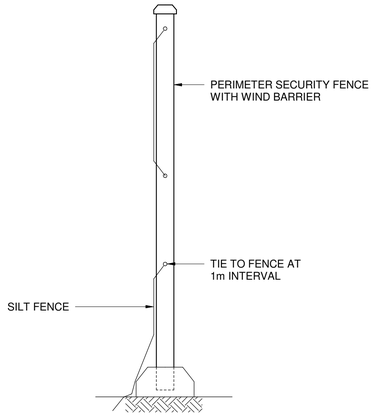


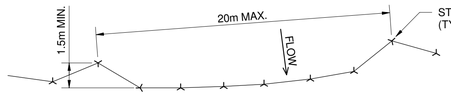




## SEDIMENT FENCE ON PAVED SURFACE

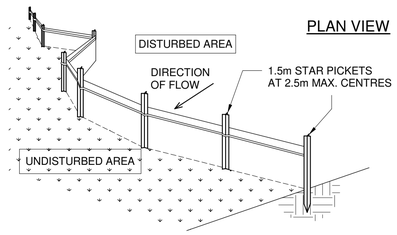
(NOT TO SCALE)

## PERIMETER SECURITY FENCE WITH WIND BARRIER & SILT FENCE DETAIL

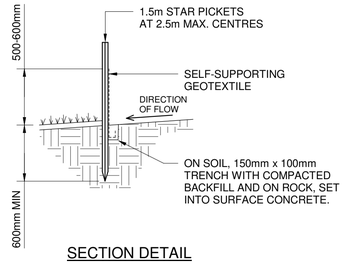
(NOT TO SCALE)




PLAN VIEW




3D VIEW



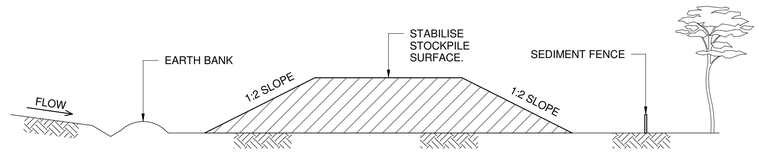

SECTION DETAIL

## SEDIMENT FENCE DETAILS

(NOT TO SCALE)

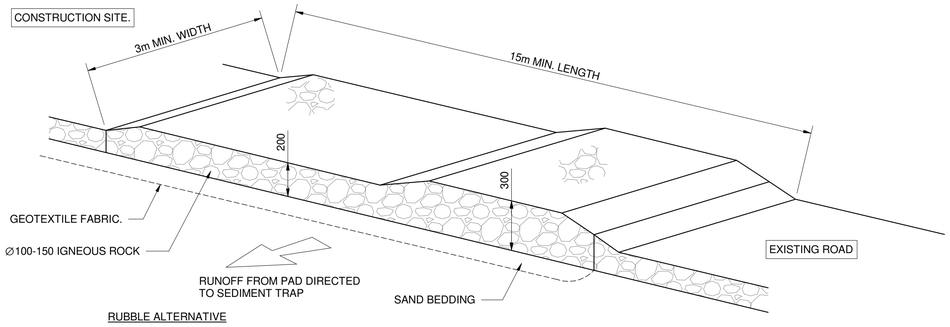
STOCKPILE CONSTRUCTION NOTES:

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
4. WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED E.S.C.P. OR S.W.M.P. TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 - 2 METRES DOWNSLOPE.




## STOCKPILE DETAILS

(NOT TO SCALE)



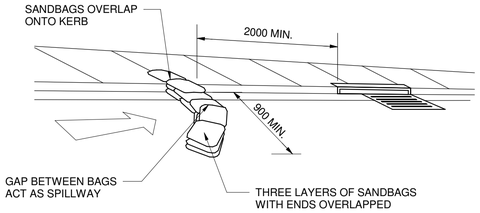

RUBBLE ALTERNATIVE

## TEMPORARY CONSTRUCTION EXIT

(NOT TO SCALE)

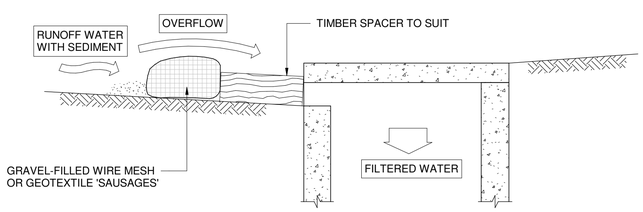
SEDIMENT FENCE CONSTRUCTION NOTES:

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.5m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.




## SANDBAG SEDIMENT TRAP FOR KERB INLET ON GRADE

(NOT TO SCALE)

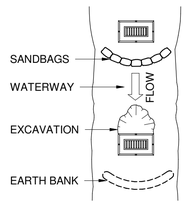



## MESH & GRAVEL INLET FILTER DETAILS.

(NOT TO SCALE)

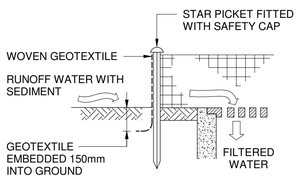
MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:

1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25-50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH TIMBER SPACER BLOCKS.
4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE, PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT LADEN WATERS CANNOT PASS BETWEEN.

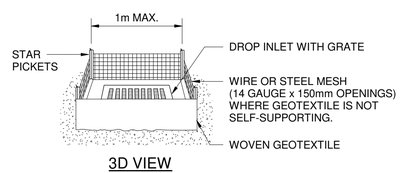



PLAN VIEW

FOR DROP INLETS @ NON-SAG POINTS, SANDBAGS, EARTH BANK OR EXCAVATION USED TO CREATE ARTIFICIAL SAG POINT.




SECTION DETAIL



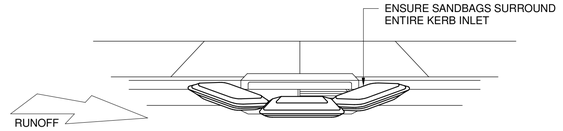

3D VIEW

## GEOTEXTILE INLET FILTER DETAILS

(NOT TO SCALE)

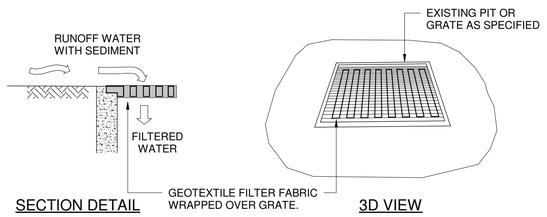
GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE.
2. PICKET SPACING TO BE MAXIMUM 1m.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILES UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.




## SANDBAG KERB INLET SEDIMENT TRAP DETAIL

(NOT TO SCALE)




SECTION DETAIL 3D VIEW

## GEOTEXTILE PIT FILTER DETAILS

(NOT TO SCALE)

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

**DA ISSUE**
NOT FOR CONSTRUCTION

| ISSUE | DESCRIPTION | APPROVED | DATE |
|---|---|---|---|
| P3 | FOR DA ISSUE | | 02.12.24 |
| P2 | 80% DA | | 09.10.24 |
| P1 | 60% DA | | 20.08.24 |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PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS - THE SCIENCE LABS BUILDING
83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
SOIL EROSION & SEDIMENT CONTROL DETAILS

| SCALES | DATE |
|---|---|
| AS NOTED @ A1 | AUG' 2024 |

| DRAWN | DESIGN | VERIFIED | APPROVED |
|---|---|---|---|
| C.KE | G.K | | |


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| ISSUE | PROJECT No. | DRAWING No. |
|---|---|---|
| P3 | 9179 | SL_C.11 |

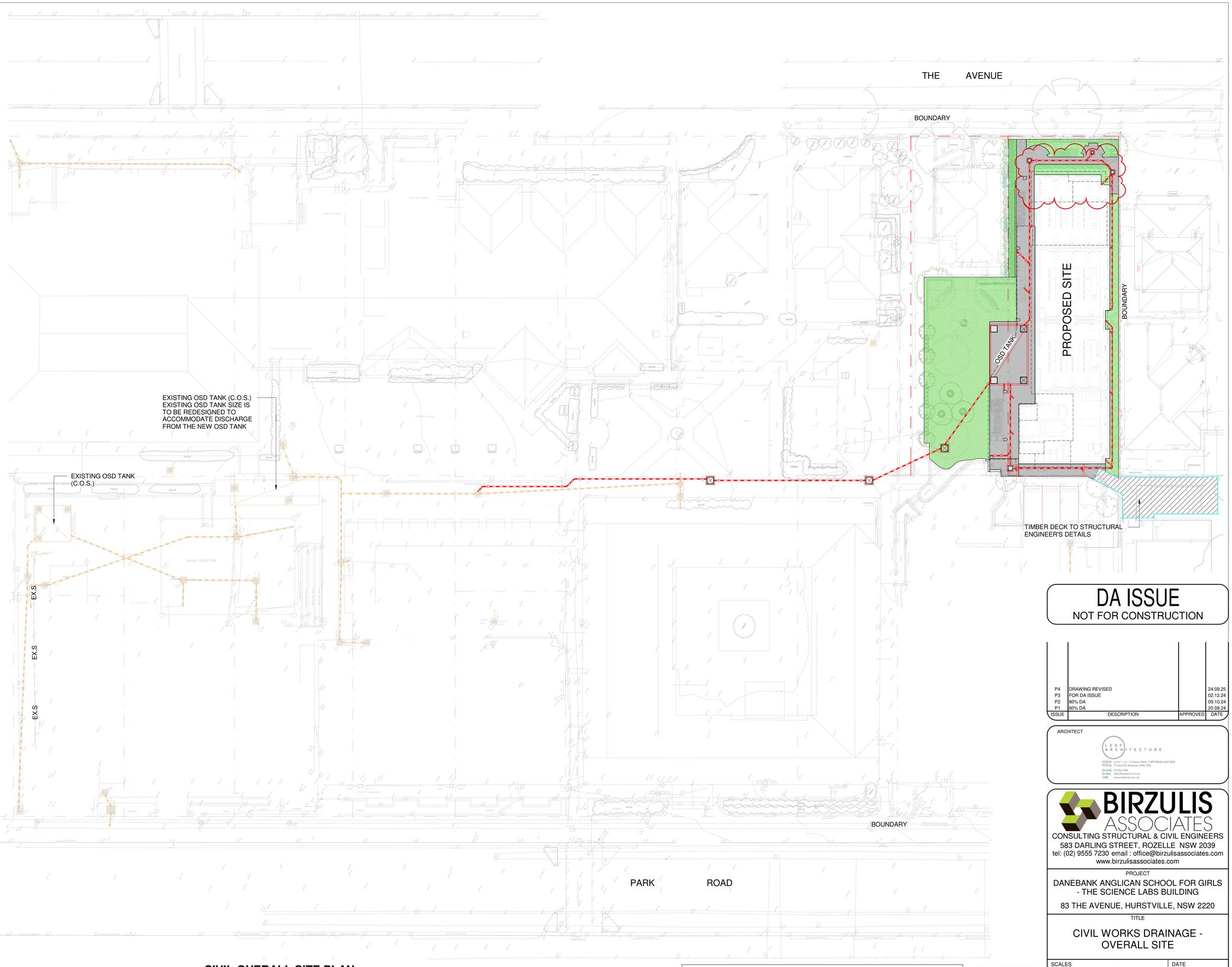
02/12/2024 11:15:50

## SITEWORKS LEGEND:

AAPT LINE — AAPT — AAPT — AAPT — AAPT —
COMMS LINE — C — C — C — C —
ELECTRICAL LINE — E — E — E — E —
FIRE LINE — F — F — F — F —
GAS LINE — G — G — G — G —
WATER LINE — W — W — W — W —
NBN LINE — NBN — NBN — NBN — NBN —
OPTUS LINE — OP — OP — OP — OP —
TPG LINE — TPG — TPG — TPG — TPG —
TELECOMMUNICATION LINE — T — T — T — T —
OVERFLOW PIPE — OFP — OFP — OFP — OFP —
SEWER LINE — S — S — S — S —
SEWER LINE - EXISTING — EX.S — EX.S — EX.S — EX.S —
SUBSOIL DRAINAGE LINE — SSD — SSD — SSD — SSD —
RAINWATER LINE — RW — RW — RW — RW —
SITE BOUNDARY
DEMOLISHED
STORMWATER LINE
STORMWATER LINE - EXISTING — EX.SW — EX.SW —
PROPOSED CONTOUR

GRATED STORMWATER PIT
EXISTING STORMWATER PIT
SEALED LID STORMWATER PIT
KERB INLET PIT
TELEPHONE PIT
DOWNPIPE — DP
EXISTING DOWNPIPE — Ex. DP.
FLOOR WASTE — FW
NEW GRATED DRAIN
RAIN WATER OUTLET — RWO
CLEAR OUT — CO
OVERLAND FLOW

(*) - DENOTES SILT ARRESTOR STORMWATER PIT WITH OCEAN GUARD INSERTED. REFER TO DETAIL.




## CIVIL OVERALL SITE PLAN
SCALE 1 : 250

PAVEMENT LEGEND:

DENOTES CONCRETE FOOTPATH PAVEMENT

DENOTES LANDSCAPING

PRINT IN COLOUR

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368
SIGNATURE: Michael Grogan

A1 0 1 2 3 4 5 6 7 8 9 10
THIS MAY BE A REDUCED SIZE PRINT - CHECK SCALE

N

# DA ISSUE
NOT FOR CONSTRUCTION

| ISSUE | DESCRIPTION | APPROVED | DATE |
|---|---|---|---|
| P4 | DRAWING REVISED | | 24.09.25 |
| P3 | FOR DA ISSUE | | 02.12.24 |
| P2 | 80% DA | | 09.10.24 |
| P1 | 60% DA | | 20.08.24 |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PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS - THE SCIENCE LABS BUILDING
83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
CIVIL WORKS DRAINAGE - OVERALL SITE

| SCALES | DATE |
|---|---|
| 1:250 @ A1 | AUG' 2024 |

| DRAWN | DESIGN | VERIFIED | APPROVED |
|---|---|---|---|
| C.KE | G.K | | |


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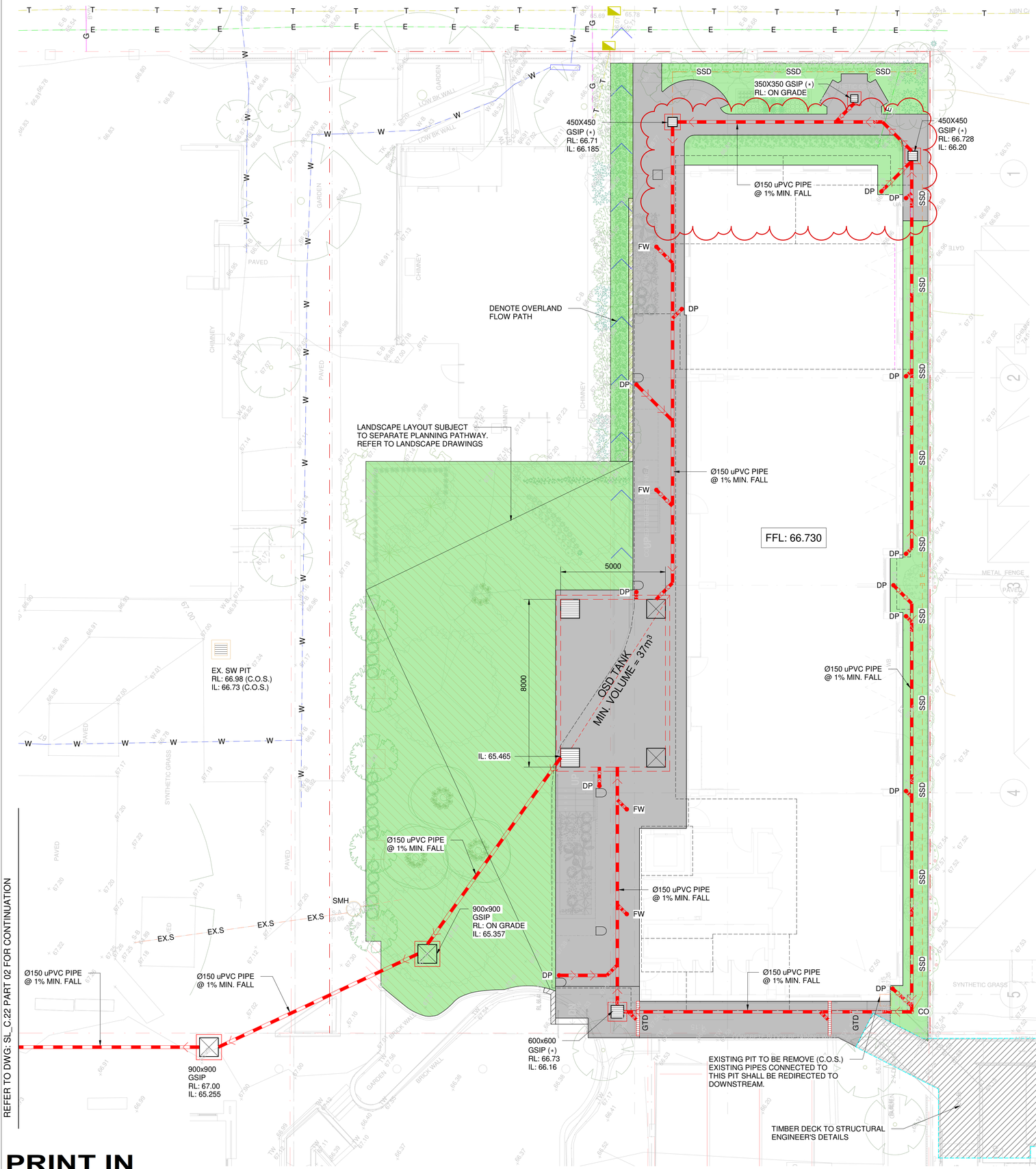
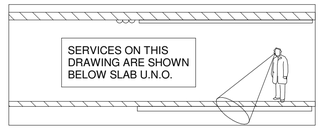
| ISSUE | PROJECT No. | DRAWING No. |
|---|---|---|
| P4 | 9179 | SL_C.20 |

25/09/2025 09:39:59




SERVICES ON THIS DRAWING ARE SHOWN BELOW SLAB U.N.O.



## DIAL BEFORE YOU DIG

DIAL BEFORE ***YOU DIG***
WWW.1100.com.au

IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES.

## SITEWORKS LEGEND:

| | |
|---|---|
| AAPT LINE | AAPT — AAPT — AAPT — AAPT |
| COMMS LINE | C — C — C — C |
| ELECTRICAL LINE | E — E — E — E |
| FIRE LINE | F — F — F — F |
| GAS LINE | G — G — G — G |
| WATER LINE | W — W — W — W |
| NBN LINE | NBN — NBN — NBN — NBN |
| OPTUS LINE | OP — OP — OP — OP |
| TPG LINE | TPG — TPG — TPG — TPG |
| TELECOMMUNICATION LINE | T — T — T — T |
| OVERFLOW PIPE | OFP — OFP — OFP — OFP |
| SEWER LINE | S — S — S — S |
| SEWER LINE - EXISTING | EX.S — EX.S — EX.S — EX.S |
| SUBSOIL DRAINAGE LINE | SSD — SSD — SSD — SSD |
| RAINWATER LINE | RW — RW — RW — RW |
| SITE BOUNDARY | |
| DEMOLISHED | |
| STORMWATER LINE | |
| STORMWATER LINE - EXISTING | EX.SW — EX.SW |
| PROPOSED CONTOUR | |
| GRATED STORMWATER PIT | EXISTING STORMWATER PIT |
| SEALED LID STORMWATER PIT | |
| KERB INLET PIT | |
| TELEPHONE PIT | |
| DOWNPIPE | DP — EXISTING DOWNPIPE Ex. DP. |
| FLOOR WASTE | FW — NEW GRATED DRAIN |
| RAIN WATER OUTLET | RWO — CLEAR OUT CO |
| OVERLAND FLOW | |

(*) - DENOTES SILT ARRESTOR STORMWATER PIT WITH OCEAN GUARD INSERTED. REFER TO DETAIL.

## CIVIL DRAWING NOTES:

- SERVICES SHOWN ON PLAN ARE INDICATIVE, EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.
- ROOF DRAINAGE BY OTHERS.
- ALL uPVC STORMWATER DRAINAGE LINES SHALL BE 'CLASS SH' SEWER GRADE UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE DOWNPIPES SHALL CONNECT TO THE MAIN STORMWATER LINE DOWNSTREAM USING 150mm DIAMETER uPVC LINES WITH MINIMUM 1% FALL.
- UNLESS NOTED OTHERWISE GRATED DRAINS SHALL BE 150x150 AND CONNECTED TO THE DOWNSTREAM (NON-CHARGED) STORMWATER SYSTEM.
- ALL SUBSOIL DRAINAGE NOT SHOWN ON THE PLAN IS TO BE PROVIDED AND CONNECTED TO THE STORMWATER DRAINAGE SYSTEM.
- THE CONTRACTOR MUST VERIFY THE EXACT LOCATION AND EXTENT OF ALL SERVICES PRIOR TO CONSTRUCTION AND NOTIFY IMMEDIATELY OF ANY CONFLICTS WITH THE DRAWINGS TO THE ENGINEER/SUPERINTENDENT.

## DESIGN NOTES:

THE PROPOSED DEVELOPMENT SITE IS GOVERNED BY GEORGES RIVER COUNCIL. STORMWATER DESIGN FOR THE PROPOSED DEVELOPMENT HAS BEEN DONE IN ACCORDANCE WITH THE COUNCIL'S STORMWATER MANAGEMENT POLICY. PROPOSED ON-SITE DETENTION (OSD) TANK HAS BEEN SIZED UP TO STORE DISCHARGE FROM THE PROPOSED DEVELOPMENT.

REFER TO DRAWING C.70 FOR CATCHMENT ANALYSIS PLAN

TOTAL SITE AREA = 1341 m²
TOTAL IMPERVIOUS AREA (%) = 75%
PSD/Q (L/S/Ha) = 152
SSR (m³/Ha) = 270
PSD FOR ADDITIONAL DEVELOPED AREA (L/s) = 152 x 0.1341 = 20.38 L/s
SSR FOR ADDITIONAL DEVELOPED AREA (m³) = 270 x 0.1341 = 36.21 m³

PROPOSED OSD VOLUME = 37 m³ > REQUIRED STORAGE VOLUME = 36.21 m³
ORIFICE AREA (A) = Q/C (2gh)^(1/2)
ORIFICE DIAMETER (mm) = 98.03

## NOTES:

SILT ARRESTOR PITS WITH ATLAN STORMSACKS HAS BEEN PROPOSED TO MEET THE WATER QUALITY REQUIREMENT OF THE PROPOSED DEVELOPMENT.

## PAVEMENT LEGEND:

DENOTES CONCRETE FOOTPATH PAVEMENT

DENOTES LANDSCAPING

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

**DA ISSUE**
NOT FOR CONSTRUCTION

| ISSUE | DESCRIPTION | APPROVED | DATE |
|---|---|---|---|
| P4 | DRAWING REVISED | | 24.09.25 |
| P3 | FOR DA ISSUE | | 02.12.24 |
| P2 | 80% DA | | 09.10.24 |
| P1 | 60% DA | | 20.08.24 |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www.birzulisassociates.com


PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS - THE SCIENCE LABS BUILDING
83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
CIVIL WORKS DRAINAGE PLAN - SHEET 1

| SCALES | DATE |
|---|---|
| 1:100 @ A1 | AUG' 2024 |

| DRAWN | DESIGN | VERIFIED | APPROVED |
|---|---|---|---|
| C.KE | G.K | | |


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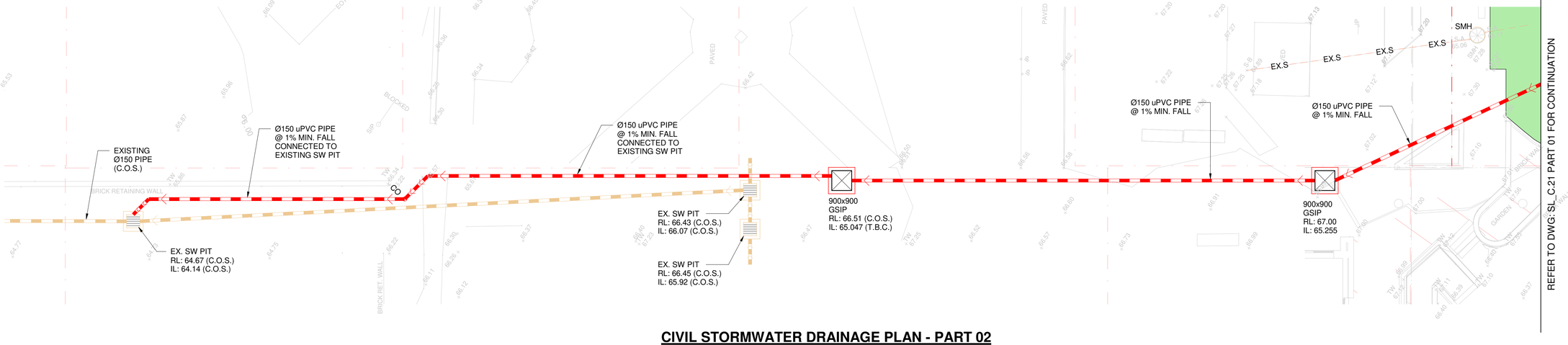
| ISSUE | PROJECT No. | DRAWING No. |
|---|---|---|
| P4 | 9179 | SL_C.21 |

25/09/2025 09:40:00

PRINT IN COLOUR

**CIVIL STORMWATER DRAINAGE PLAN - PART 01**
SCALE 1 : 100

A1 0 1 2 3 4 5 6 7 8 9 10
THIS MAY BE A REDUCED SIZE PRINT - CHECK SCALE




## CIVIL STORMWATER DRAINAGE PLAN - PART 02

SCALE 1 : 100

## SITEWORKS LEGEND:

| | |
|---|---|
| AAPT LINE | AAPT — AAPT — AAPT — AAPT |
| COMMS LINE | C — C — C — C |
| ELECTRICAL LINE | E — E — E — E |
| FIRE LINE | F — F — F — F |
| GAS LINE | G — G — G — G |
| WATER LINE | W — W — W — W |
| NBN LINE | NBN — NBN — NBN — NBN |
| OPTUS LINE | OP — OP — OP — OP |
| TPG LINE | TPG — TPG — TPG — TPG |
| TELECOMMUNICATION LINE | T — T — T — T |
| OVERFLOW PIPE | OFP — OFP — OFP — OFP |
| SEWER LINE | S — S — S — S |
| SEWER LINE - EXISTING | EX.S — EX.S — EX.S — EX.S |
| SUBSOIL DRAINAGE LINE | SSD — SSD — SSD — SSD |
| RAINWATER LINE | RW — RW — RW — RW |
| SITE BOUNDARY | |
| DEMOLISHED | |
| STORMWATER LINE | |
| STORMWATER LINE - EXISTING | EX.SW — EX.SW |
| PROPOSED CONTOUR | |
| GRATED STORMWATER PIT | EXISTING STORMWATER PIT |
| SEALED LID STORMWATER PIT | |
| KERB INLET PIT | |
| TELEPHONE PIT | |
| DOWNPIPE | DP — EXISTING DOWNPIPE — Ex. DP. |
| FLOOR WASTE | FW — NEW GRATED DRAIN |
| RAIN WATER OUTLET | RWO — CLEAR OUT — CO |
| OVERLAND FLOW | |

(*) - DENOTES SILT ARRESTOR STORMWATER PIT WITH OCEAN GUARD INSERTED. REFER TO DETAIL.

## CIVIL DRAWING NOTES:

- SERVICES SHOWN ON PLAN ARE INDICATIVE, EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.
- ROOF DRAINAGE BY OTHERS.
- ALL uPVC STORMWATER DRAINAGE LINES SHALL BE 'CLASS SH' SEWER GRADE UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE DOWNPIPES SHALL CONNECT TO THE MAIN STORMWATER LINE DOWNSTREAM USING 150mm DIAMETER uPVC LINES WITH MINIMUM 1% FALL.
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## DESIGN NOTES:

THE PROPOSED DEVELOPMENT SITE IS GOVERNED BY GEORGES RIVER COUNCIL. STORMWATER DESIGN FOR THE PROPOSED DEVELOPMENT HAS BEEN DONE IN ACCORDANCE WITH THE COUNCIL'S STORMWATER MANAGEMENT POLICY. PROPOSED ON-SITE DETENTION (OSD) TANK HAS BEEN SIZED UP TO STORE DISCHARGE FROM THE PROPOSED DEVELOPMENT.

REFER TO DRAWING C.70 FOR CATCHMENT ANALYSIS PLAN

TOTAL SITE AREA = 1341 $m^2$
TOTAL IMPERVIOUS AREA (%) = 75%
PSD/Q (L/S/Ha) = 152
SSR ($m^3$/Ha) = 270
PSD FOR ADDITIONAL DEVELOPED AREA (L/s) = 152 x 0.1341 = 20.38 L/s
SSR FOR ADDITIONAL DEVELOPED AREA ($m^3$) = 270 x 0.1341 = 36.21 $m^3$

PROPOSED OSD VOLUME = 37 $m^3$ > REQUIRED STORAGE VOLUME = 36.21 $m^3$
ORIFICE AREA (A) = Q/C (2gh)^(1/2)
ORIFICE DIAMETER (mm) = 98.03

## NOTES:

SILT ARRESTOR PITS WITH ATLAN STORMSACKS HAS BEEN PROPOSED TO MEET THE WATER QUALITY REQUIREMENT OF THE PROPOSED DEVELOPMENT.

## PAVEMENT LEGEND:

DENOTES CONCRETE FOOTPATH PAVEMENT

DENOTES LANDSCAPING

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

A1 0 1 2 3 4 5 6 7 8 9 10

THIS MAY BE A REDUCED SIZE PRINT - CHECK SCALE

PRINT IN COLOUR

SERVICES ON THIS DRAWING ARE SHOWN BELOW SLAB U.N.O.

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DIAL BEFORE ***YOU DIG***
WWW.1100.com.au

IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES.

# DA ISSUE
NOT FOR CONSTRUCTION

| ISSUE | DESCRIPTION | APPROVED | DATE |
|---|---|---|---|
| P1 | FOR DA ISSUE | | 02.12.24 |


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PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS - THE SCIENCE LABS BUILDING
83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
CIVIL WORKS DRAINAGE PLAN - SHEET 2

| SCALES | DATE |
|---|---|
| 1:100 @ A1 | AUG' 2024 |

| DRAWN | DESIGN | VERIFIED | APPROVED |
|---|---|---|---|
| C.KE | G.K | | |


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| ISSUE | PROJECT No. | DRAWING No. |
|---|---|---|
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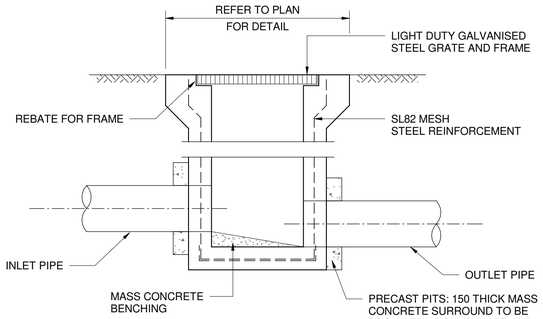
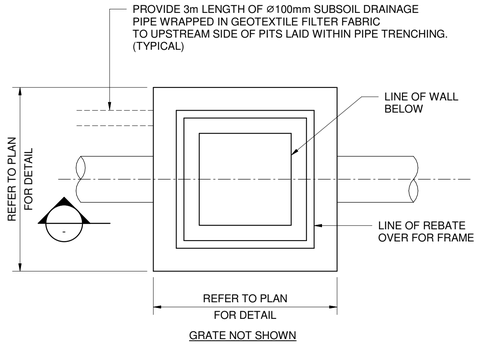
02/12/2024 11:16:55




SECTION

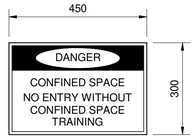



GRATE NOT SHOWN

PLAN

## STORMWATER PIT DETAIL
SCALE = 1:10

## OSD SIGN DETAIL
(NOT TO SCALE)




## CONFINED SPACE SIGN DETAIL
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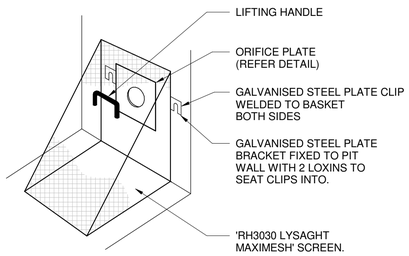
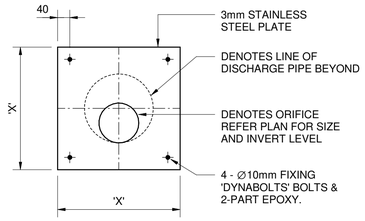
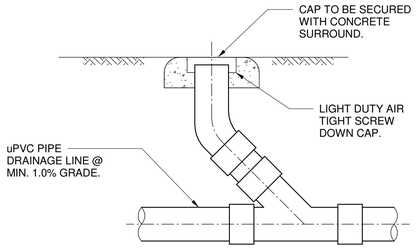


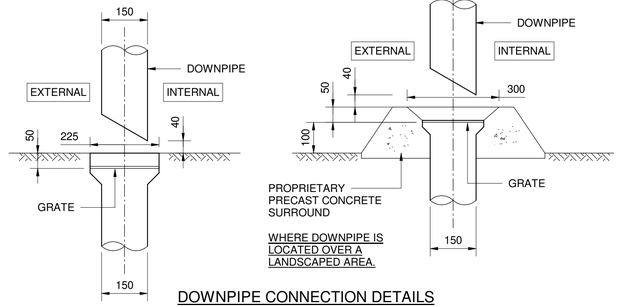

## DEBRIS SCREEN DETAIL
(NOT TO SCALE)



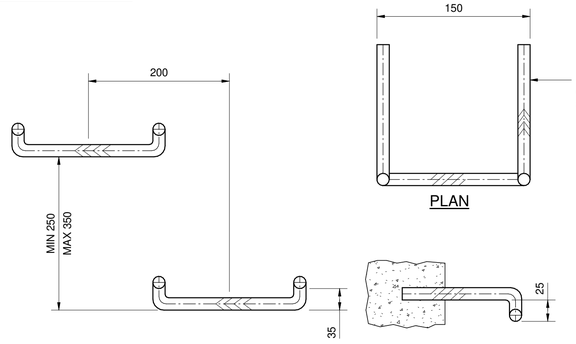

## ORIFICE PLATE DETAIL
SCALE = 1:10




## CLEANING EYE DETAIL
SCALE = 1:10




## DOWNPIPE CONNECTION DETAILS
SCALE = 1:10

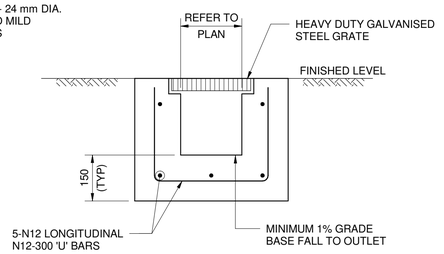



PLAN

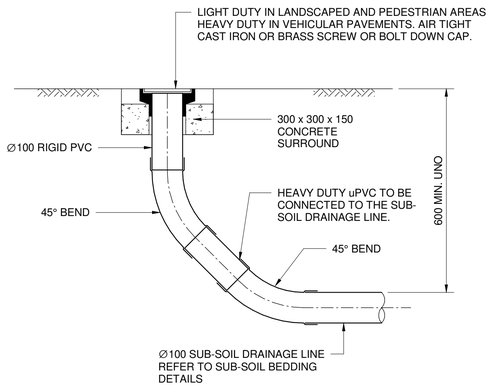
FRONT ELEVATION

SIDE ELEVATION

## STEP IRON DETAILS
(NOT TO SCALE)
PROVIDE FOR PITS/TANKS GREATER THAN 900mm DEEP

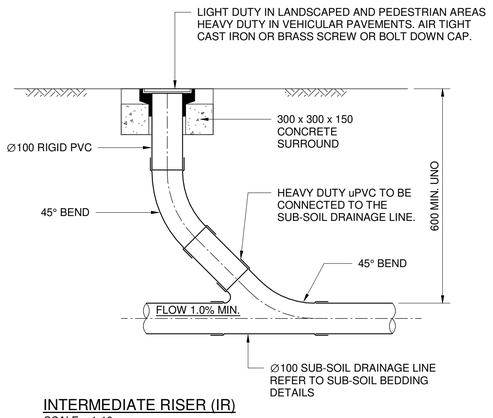



## TYPICAL GRATED DRAIN DETAIL
(NOT TO SCALE)



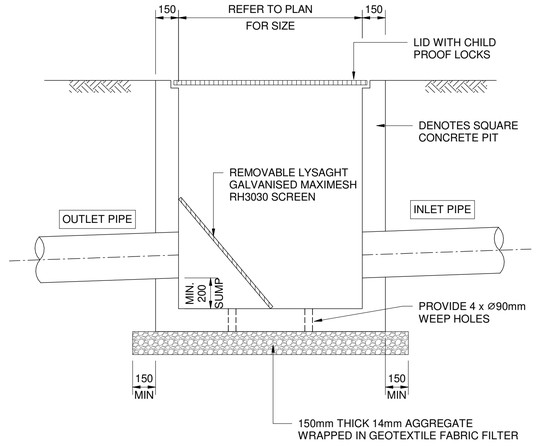

## FLUSHING POINT (FP)
SCALE = 1:10

- NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED
- U.N.O. INSTALL AT UPSTREAM POINTS ALONG SUBSOIL DRAINAGE LINES




## INTERMEDIATE RISER (IR)
SCALE = 1:10

- NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED.
- U.N.O. INSTALL AT UPSTREAM POINTS ALONG SUBSOIL DRAINAGE LINES.
- U.N.O. INSTALL AT MAXIMUM 30m CENTRES ALONG SUBSOIL LINES AND PRIOR TO DISCHARGING TO DRAINAGE STRUCTURES.




## SILT ARRESTOR PIT DETAIL
(NOT TO SCALE)

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

**DA ISSUE**
NOT FOR CONSTRUCTION

| ISSUE | DESCRIPTION | APPROVED | DATE |
|---|---|---|---|
| P3 | FOR DA ISSUE | | 02.12.24 |
| P2 | 80% DA | | 09.10.24 |
| P1 | 60% DA | | 20.08.24 |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PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS
- THE SCIENCE LABS BUILDING
83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
STORMWATER DETAILS 01

| SCALES | | | DATE |
|---|---|---|---|
| AS NOTED @ A1 | | | AUG' 2024 |
| DRAWN | DESIGN | VERIFIED | APPROVED |
| C.KE | G.K | | |


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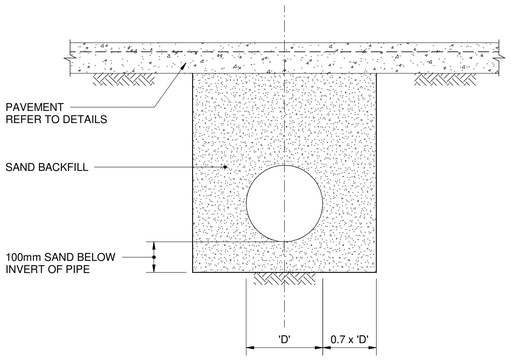
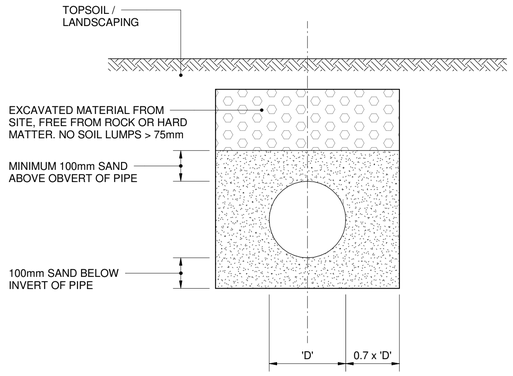
| ISSUE | PROJECT No. | DRAWING No. |
|---|---|---|
| P3 | 9179 | SL_C.30 |

02/12/2024 11:16:52



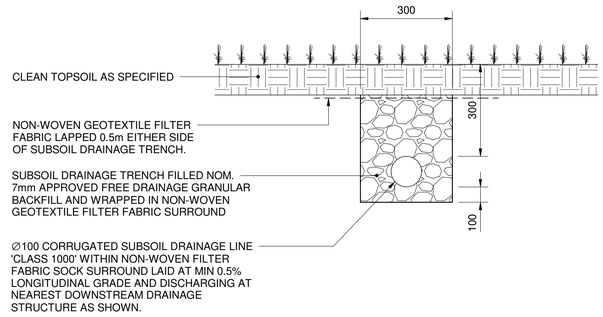

NON-TRAFFICABLE PAVED AREAS




LANDSCAPED AREAS

## PIPE BACKFILLING DETAILS

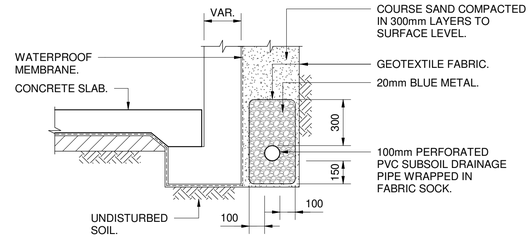
NOT TO SCALE




## SUBSOIL DRAINAGE TRENCH - LANDSCAPING 'SSD'

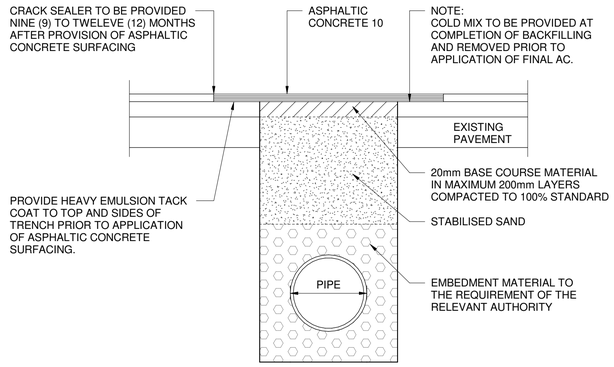
NOT TO SCALE

CLEAROUT TO BE INSTALLED AT MAX. 30m CENTRES AND
DISCHARGING TO DRAINAGE STRUCTURES AT MAX. 60m CENTRES.




## TYPICAL SUBSOIL DRAINAGE DETAIL

SCALE = 1:20




## RESTORATION OF TRENCHES FOR SERVICE PIPES

(NOT TO SCALE)

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

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NOT FOR CONSTRUCTION

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|---|---|---|---|
| P3 | FOR DA ISSUE | | 02.12.24 |
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PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS
- THE SCIENCE LABS BUILDING
83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
STORMWATER DETAILS 02

| SCALES | | | DATE |
|---|---|---|---|
| AS NOTED @ A1 | | | AUG' 2024 |
| DRAWN | DESIGN | VERIFIED | APPROVED |
| C.KE | G.K | | |


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| ISSUE | PROJECT No. | DRAWING No. |
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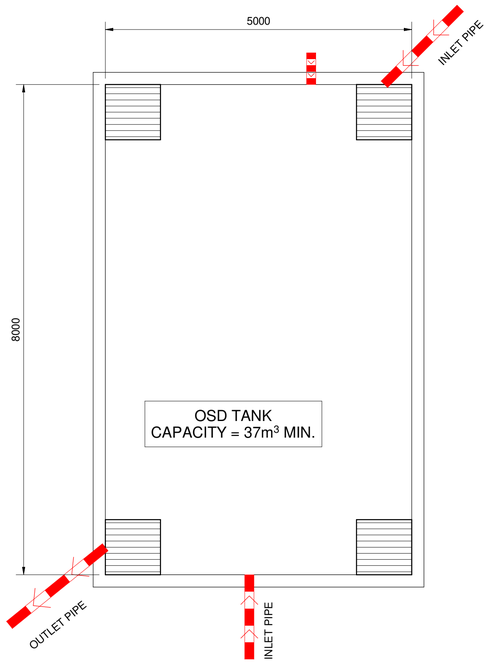
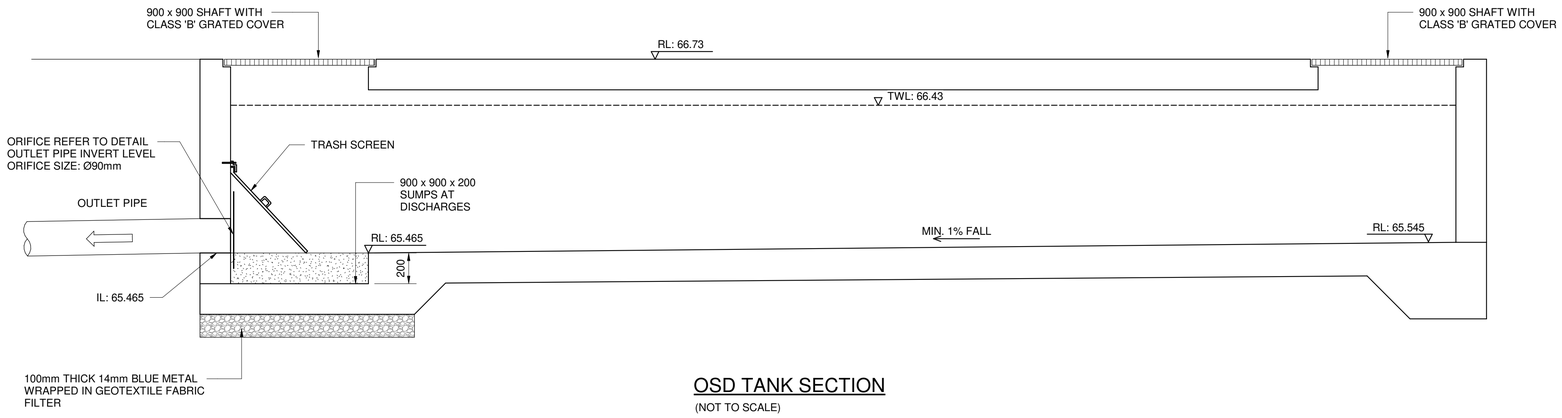
| P3 | 9179 | SL_C.31 |

02/12/2024 11:16:53




## OSD TANK PLAN

(NOT TO SCALE)




## OSD TANK SECTION

(NOT TO SCALE)

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

# DA ISSUE

NOT FOR CONSTRUCTION

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|---|---|---|---|
| P3 | FOR DA ISSUE | | 02.12.24 |
| P2 | 80% DA | | 09.10.24 |
| P1 | 60% DA | | 20.08.24 |


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PROJECT

DANEBANK ANGLICAN SCHOOL FOR GIRLS - THE SCIENCE LABS BUILDING

83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE

OSD TANK DETAILS

| SCALES | DATE |
|---|---|
| N/A @ A1 | AUG' 2024 |

| DRAWN | DESIGN | VERIFIED | APPROVED |
|---|---|---|---|
| C.KE | G.K | | |


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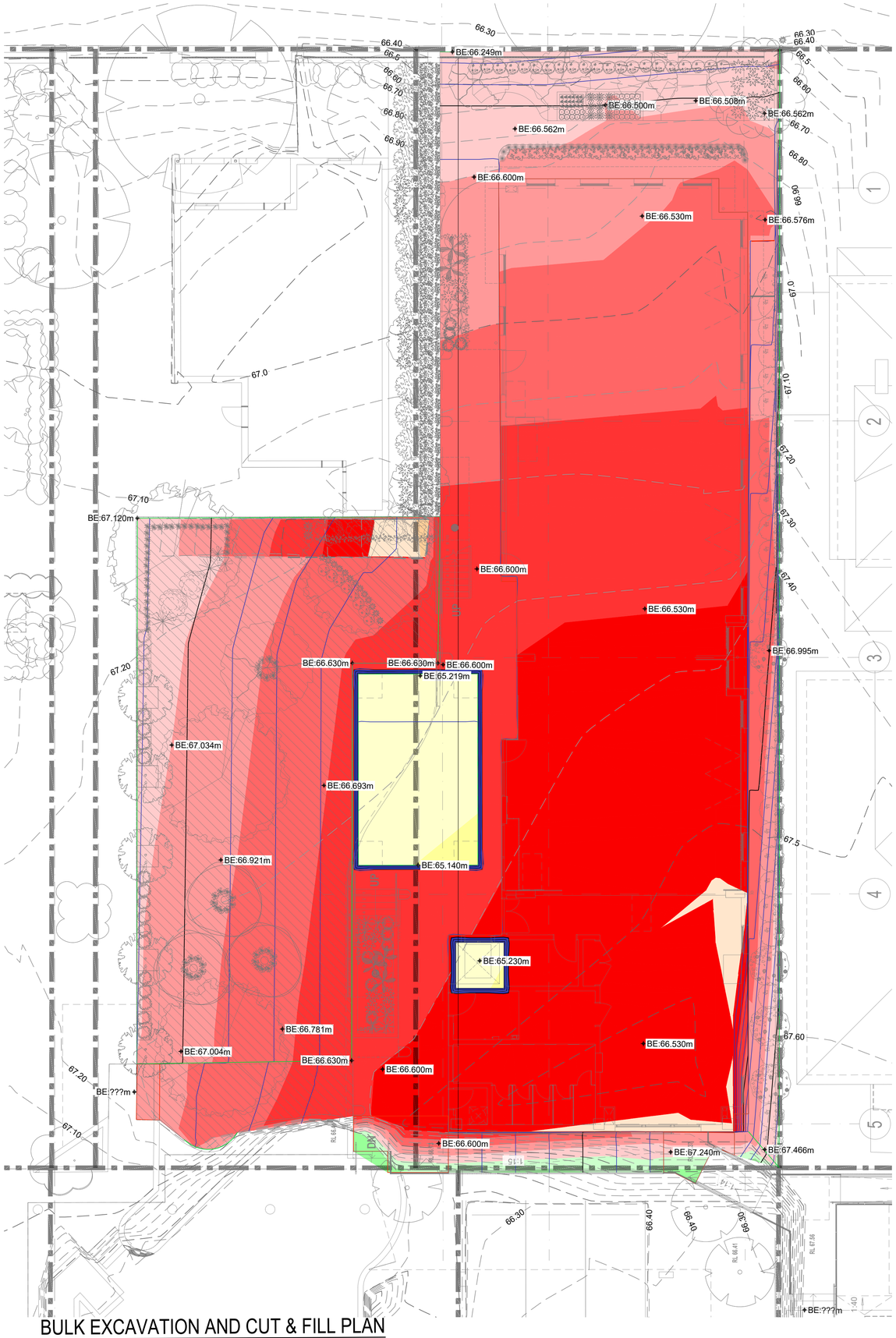
| ISSUE | PROJECT No. | DRAWING No. |
|---|---|---|
| P3 | 9179 | SL_C.35 |

02/12/2024 11:16:4




| | |
|---|---|
| TOTAL CUT VOLUME | -651.00 $m^3$ |
| TOTAL FILL VOLUME | 1.00 $m^3$ |
| EXCESS OF CUT OVER FILL | -650.00 $m^3$ |
| NOTE: VOLUMES ARE FROM EXISTING TO BULK EARTHWORKS LEVEL NO ALLOWANCE FOR THE REMOVAL OF TOPSOIL | |
| BULK ELEVATION LEVEL | BE 28.038 |

| CUT AND FILL DEPTH RANGE | | | | |
|---|---|---|---|---|
| Lower_value | | Upper_value | | Colour |
| 0.0 | to | -0.2 | m | |
| -0.2 | to | -0.4 | m | |
| -0.4 | to | -0.6 | m | |
| -0.6 | to | -0.8 | m | |
| -0.8 | to | -1.0 | m | |
| -1.0 | to | -1.2 | m | |
| -1.2 | to | -1.4 | m | |
| -1.4 | to | -1.6 | m | |
| -1.6 | to | -1.8 | m | |
| -1.8 | to | -2.0 | m | |
| -2.0 | to | -2.2 | m | |
| -2.2 | to | -2.4 | m | |
| -2.4 | to | -2.6 | m | |
| -2.6 | to | -2.8 | m | |
| -2.8 | to | -3.0 | m | |

| CUT AND FILL DEPTH RANGE | | | | |
|---|---|---|---|---|
| Lower_value | | Upper_value | | Colour |
| 0.0 | to | 0.2 | m | |
| 0.2 | to | 0.4 | m | |
| 0.4 | to | 0.6 | m | |
| 0.6 | to | 0.8 | m | |
| 0.8 | to | 1.0 | m | |
| 1.0 | to | 1.2 | m | |
| 1.2 | to | 1.4 | m | |
| 1.4 | to | 1.6 | m | |
| 1.6 | to | 1.8 | m | |
| 1.8 | to | 2.0 | m | |
| 2.0 | to | 2.2 | m | |
| 2.2 | to | 2.4 | m | |
| 2.4 | to | 2.6 | m | |
| 2.6 | to | 2.8 | m | |
| 2.8 | to | 3.0 | m | |

## BULK EARTHWORKS NOTES:

1. BULK EARTHWORKS LEVELS ARE BASE ON THE FOLLOWING PAVEMENT THICKNESS AND ALLOWANCES:
   - 200mm BUILDING PLATFORM
   - 130mm CONCRETE FOOTPATH
   - 100mm OTHER AREAS
2. THE EXISTING GROUND SURFACE IS NOT LOWERED TO ACCOUNT FOR ANY TOPSOIL/ VEGETATION OR EXISTING PAVEMENTS. STRIPPING VOLUME ASSESSMENT TO BE MADE BY CONTRACTOR.
3. BULKING FACTOR OF 1.0 WAS USED FOR BOTH CUT & FILL.
4. NO ALLOWANCE HAS BEEN MADE FOR DETAILED WORKS SUCH AS FOOTINGS, SET DOWN, LIFT PITS, SERVICE TRENCHES & STORMWATER/SUBSOIL TRENCHES, TEMP CONSTRUCTION PLATFORMS, STABILISATION, TEMP BATTERS, BENCHING, RETAINING WALL BACKFILL, REMOVAL OF HAZARDOUS MATERIAL OR TEMPORARY SEDIMENT BASINS, OR SOFT EXISTING UNSUITABLE MATERIAL, UPPER CARPARK OSD, PIPE AND PIT OSDs AND THE LOWER CARPARK PAVEMENT FOR ABOVE GROUND LEVELS TO BE ACHIEVED. DETAILED SUBGRADE EXCAVATION IS REQUIRED IN VICINITY OF OSD 2.
5. THIS PLAN IS PREPARED FOR INFORMATION PURPOSES ONLY AND IS INDICATIVE ONLY. EARTH WORKS CONTRACTOR IS TO VERIFY ALL LEVELS AND QUANTITIES AND PERFORM THEIR OWN BULK EARTHWORK ASSESSMENT. SOME FILL AND CUT HAS BEEN SHOWN BASED ON ASSUMED LANDSCAPE PROFILING AND IS THE RESPONSIBILITY OF OTHERS

A1 0 1 2 3 4 5 6 7 8 9 10

THIS MAY BE A REDUCED SIZE PRINT - CHECK SCALE

# BULK EXCAVATION AND CUT & FILL PLAN

SCALE 1:100

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

**DA ISSUE**
NOT FOR CONSTRUCTION

| ISSUE | DESCRIPTION | APPROVED | DATE |
|---|---|---|---|
| P4 | DRAWING REVISED | | 30.09.25 |
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PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS - SCIENCE LABS BUILDING
83-85 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
BULK EXCAVATION AND CUT & FILL PLAN

| SCALES | DATE |
|---|---|
| as noted @ A1 | AUG' 2024 |

| DRAWN | DESIGN | VERIFIED | APPROVED |
|---|---|---|---|
| C.KE | MG | | |


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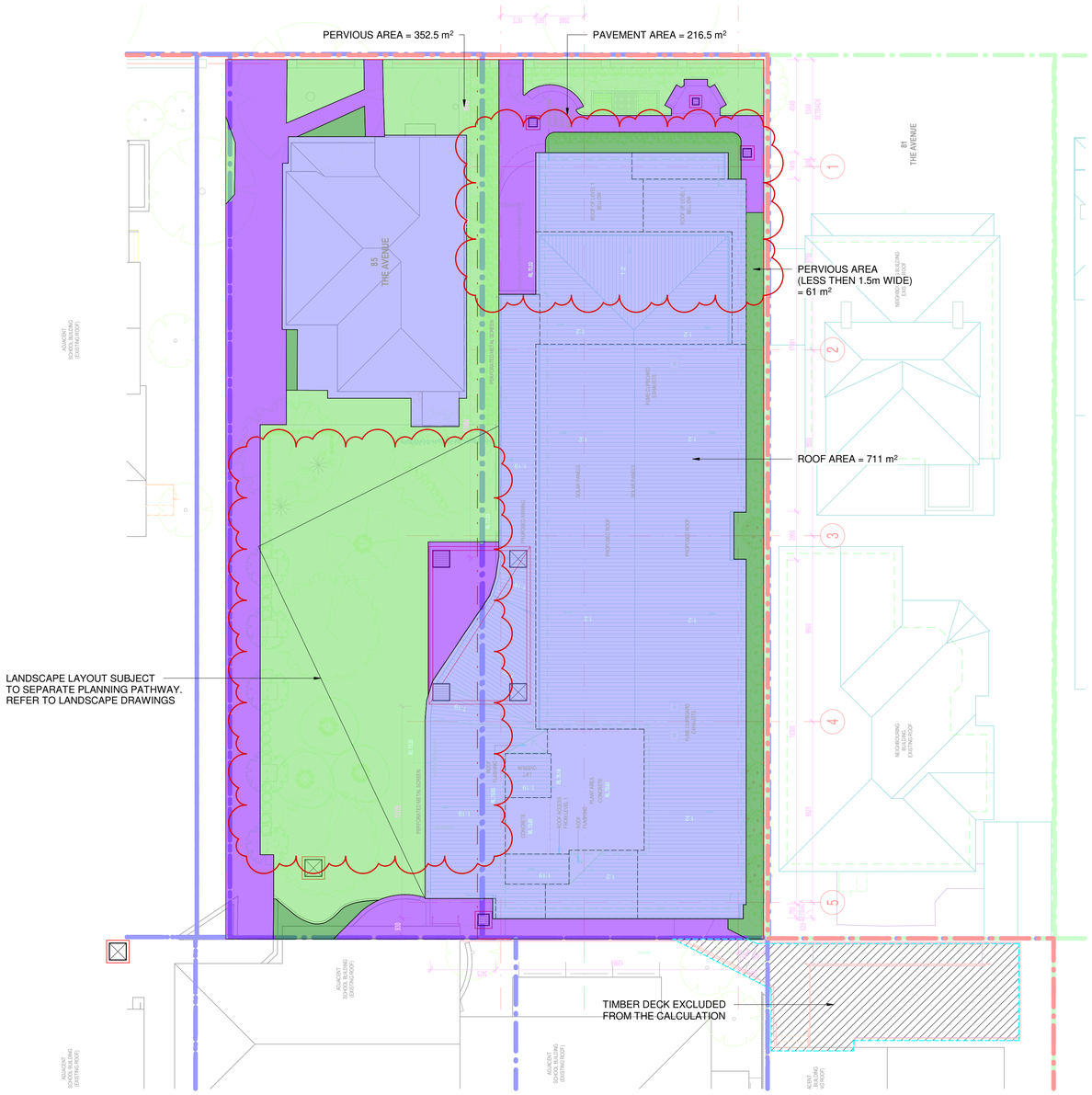
|---|---|---|
| P4 | 9179 | SL_C.40 |




## CATCHMENT PLAN - POST DEVELOPMENT

SCALE 1 : 150

CATCHMENT (TOTAL AREA = 1341 m²)

| LEGEND | AREA (m²) | TYPE | TOTAL IMPERVIOUS |
|---|---|---|---|
| LANDSCAPE | 352.5m² | PERVIOUS | 0 m² |
| LANDSCAPE (LESS THAN 1.5m WIDE) | 61 m² | 50% PERVIOUS | 30.5 m² |
| PAVEMENT | 216.5 m² | IMPERVIOUS | 216.5 m² |
| ROOF | 711 m² | IMPERVIOUS | 711 m² |
| | | TOTAL | 958 m² |

NOTE:
TOTAL IMPERVIOUS = 958/1341 = 71.4%
- SAY 75% IMPERVIOUS

PRINT IN COLOUR

QUALIFIED STORMWATER DESIGN ENGINEER: Michael Grogan
NER NUMBER: 2125368

SIGNATURE: Michael Grogan

A1 0 1 2 3 4 5 6 7 8 9 10

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| P3 | FOR DA ISSUE | | 02.12.24 |
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PROJECT
DANEBANK ANGLICAN SCHOOL FOR GIRLS - THE SCIENCE LABS BUILDING
83 THE AVENUE, HURSTVILLE, NSW 2220

TITLE
CATCHMENT PLAN

| SCALES | DATE |
|---|---|
| 1:200 @ A1 | AUG' 2024 |

| DRAWN | DESIGN | VERIFIED | APPROVED |
|---|---|---|---|
| C.KE | G.K | | |

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|---|---|---|
| P4 | 9179 | SL_C.70 |

24/09/2025 15:25:26