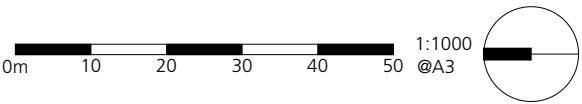
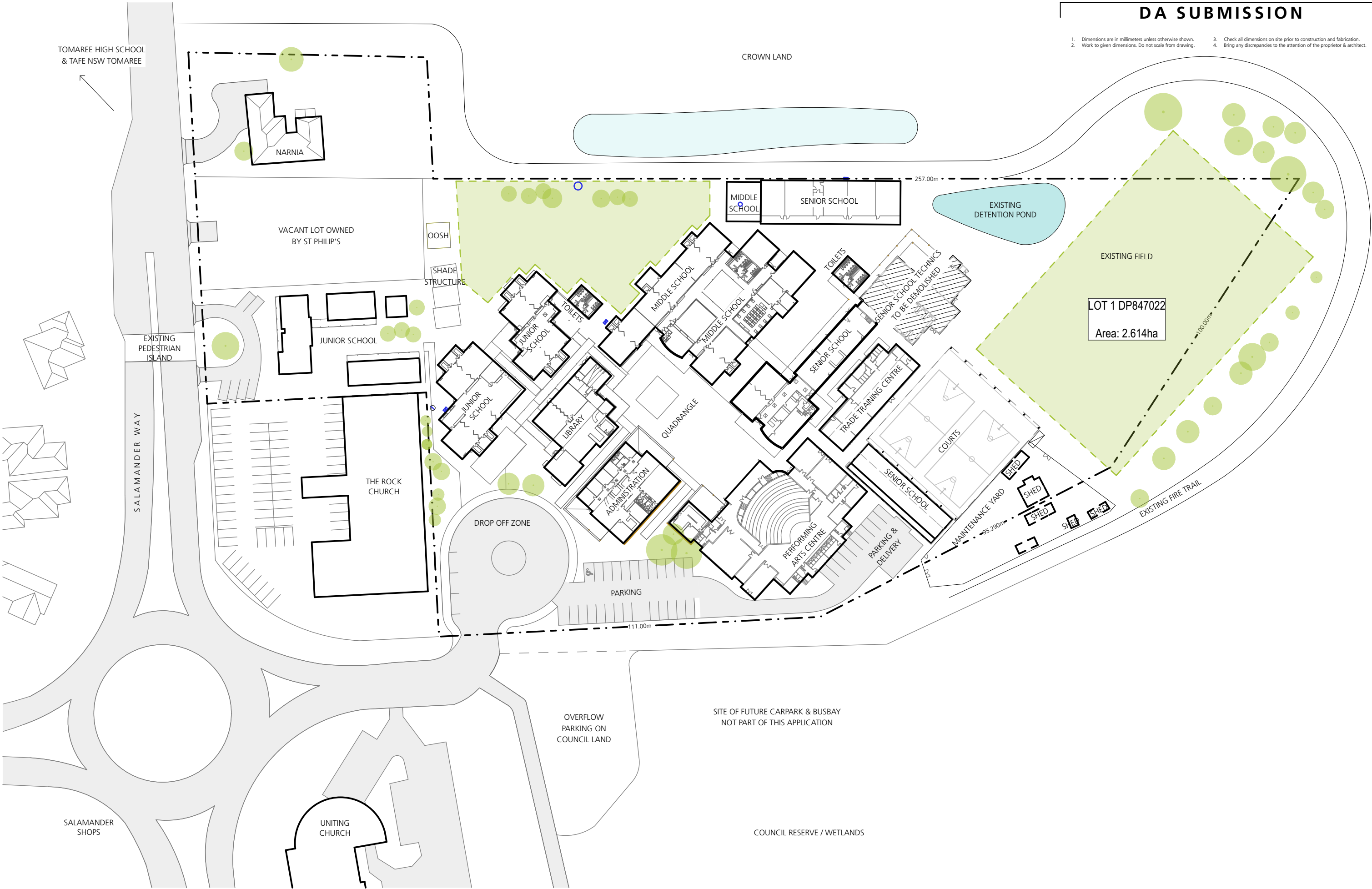


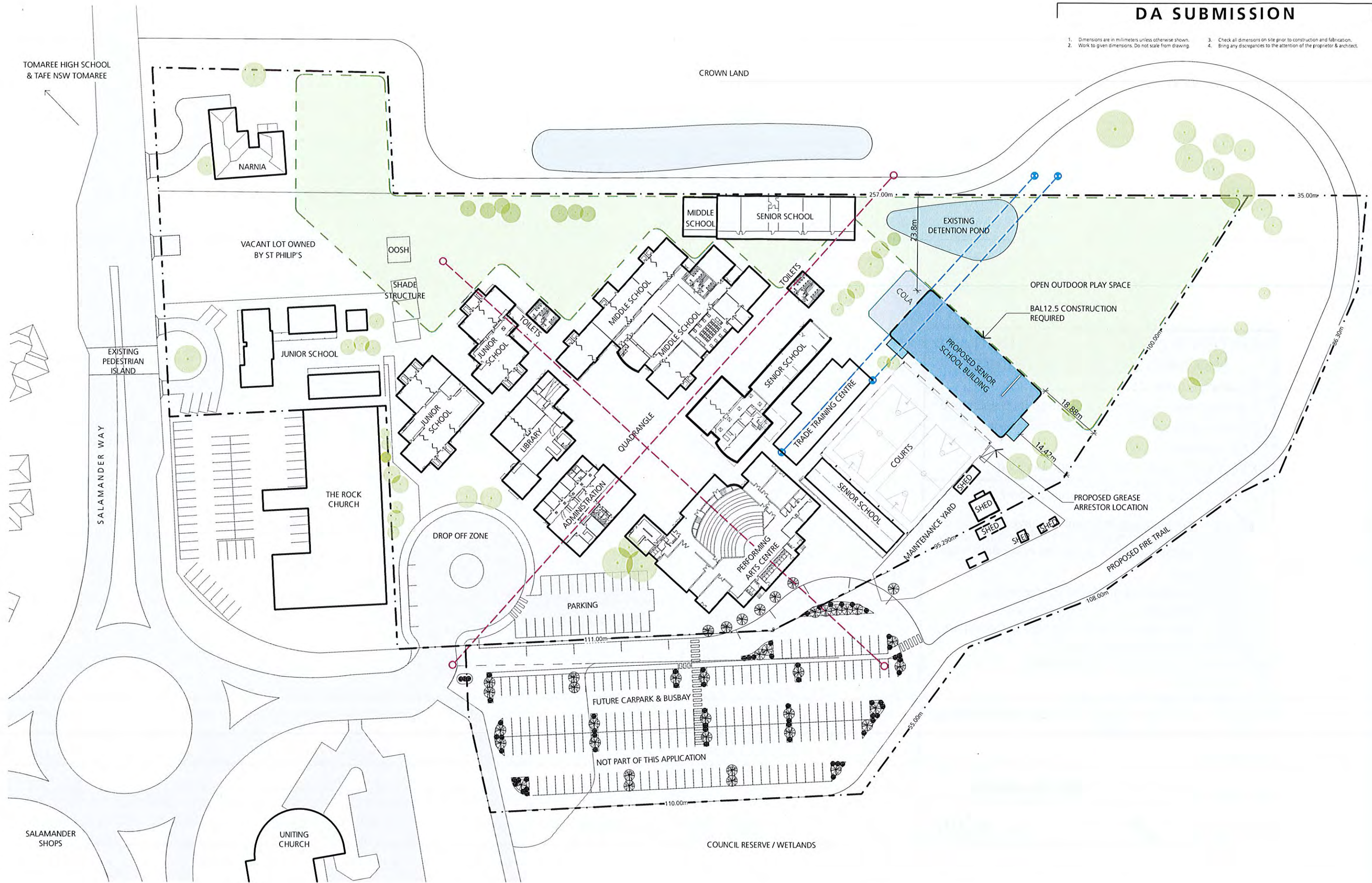
1. Dimensions are in millimeters unless otherwise shown.

2. Work to given dimensions. Do not scale from drawing.
3. Check all dimensions on site prior to construction and fabrication.

4. Bring any discrepancies to the attention of the proprietor & architect.



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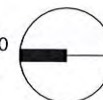
3716
DA1101

RevG 05.09.17

Proposed Site Plan

St Philip's Christian College, Port Stephens Campus - Senior School Building
176 Salamander Way, Salamander Bay

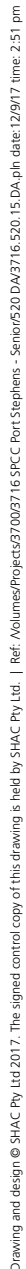
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SHAC

Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846

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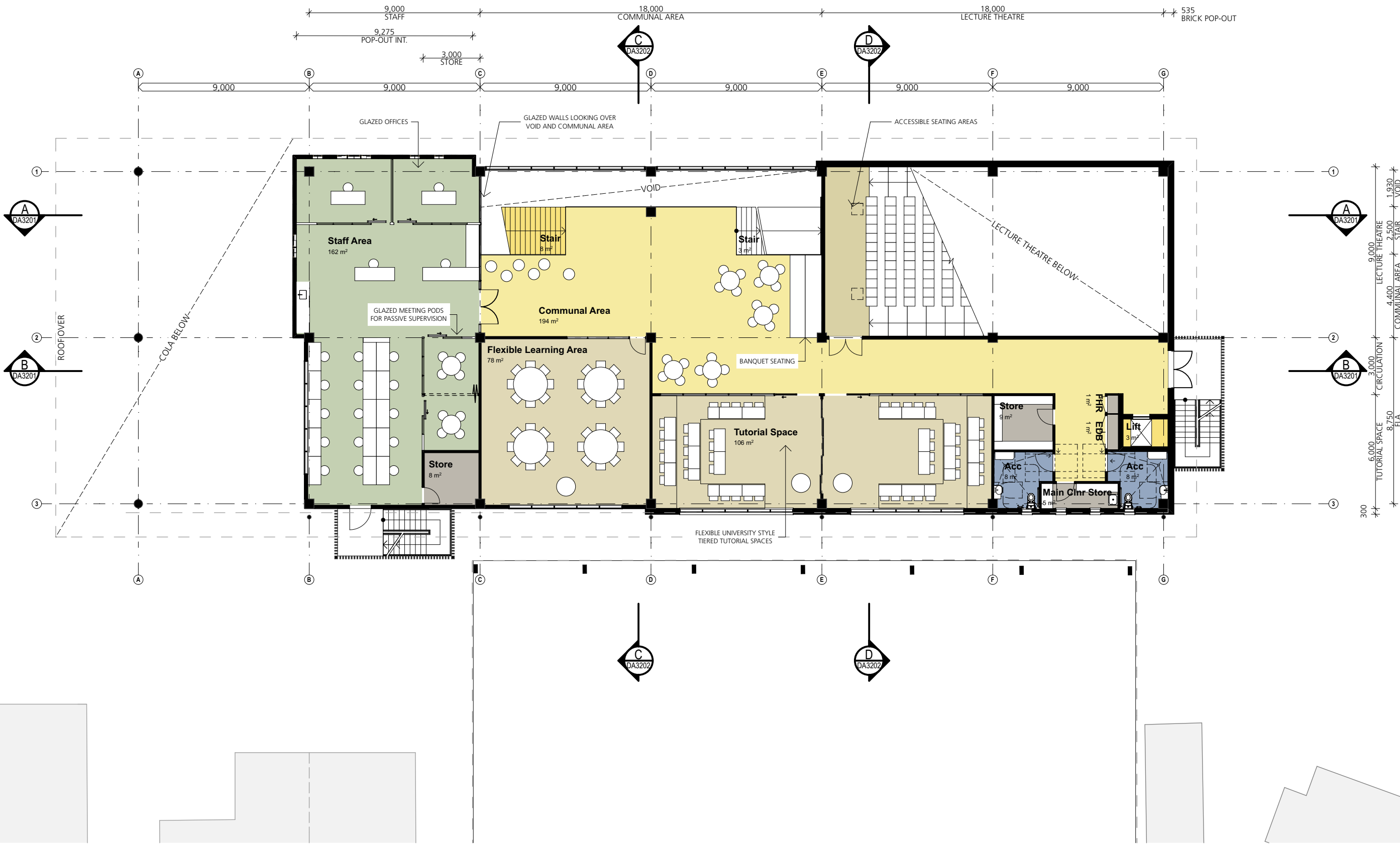


Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846

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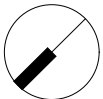


3716
DA2102

First Floor Plan

St Philip's Christian College, Port Stephens Campus - Senior School Building
176 Salamander Way, Salamander Bay


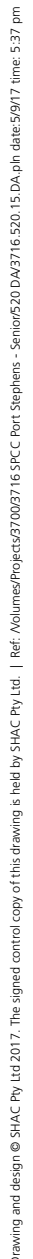
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SHAC

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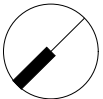
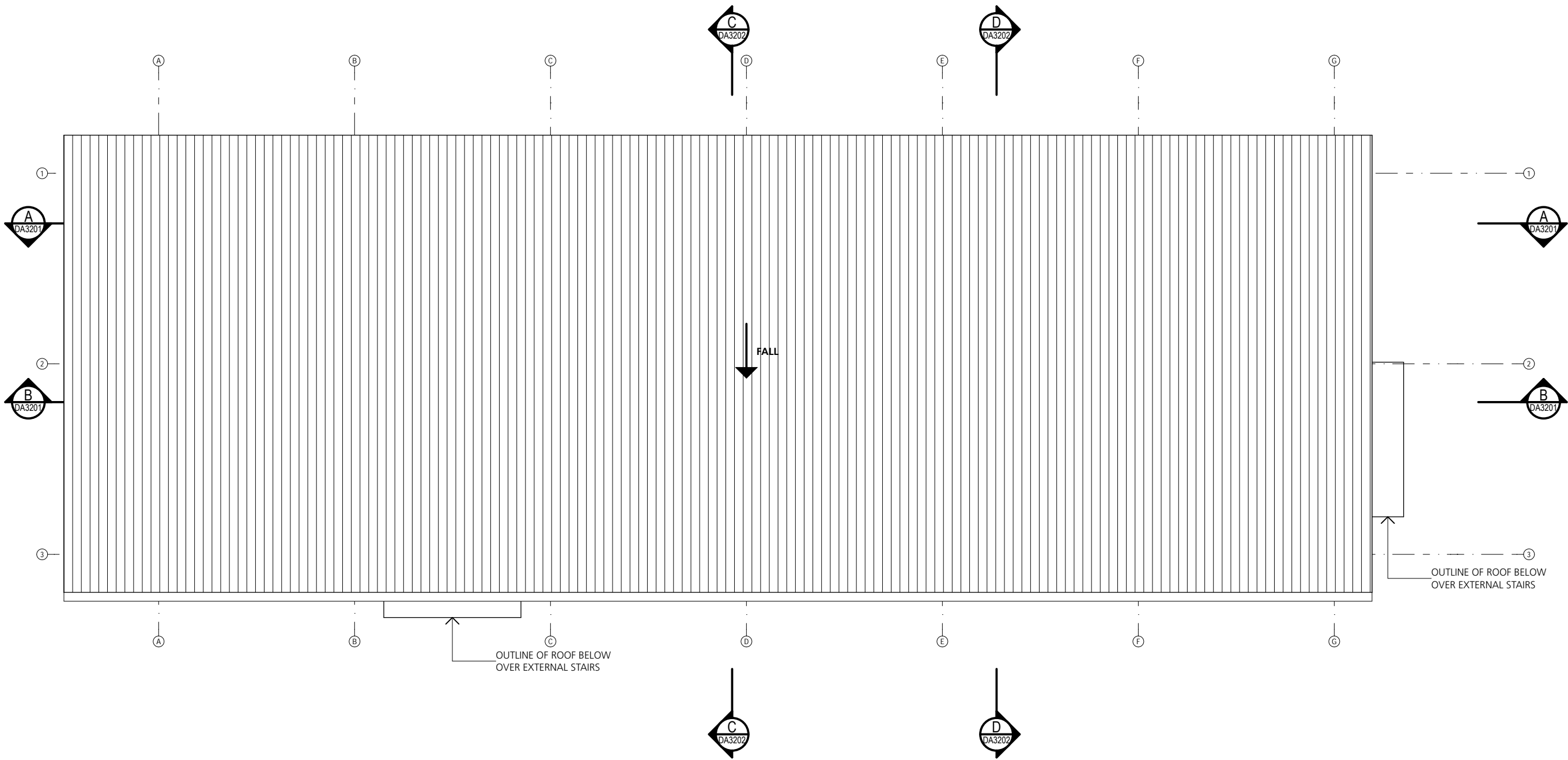


Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846

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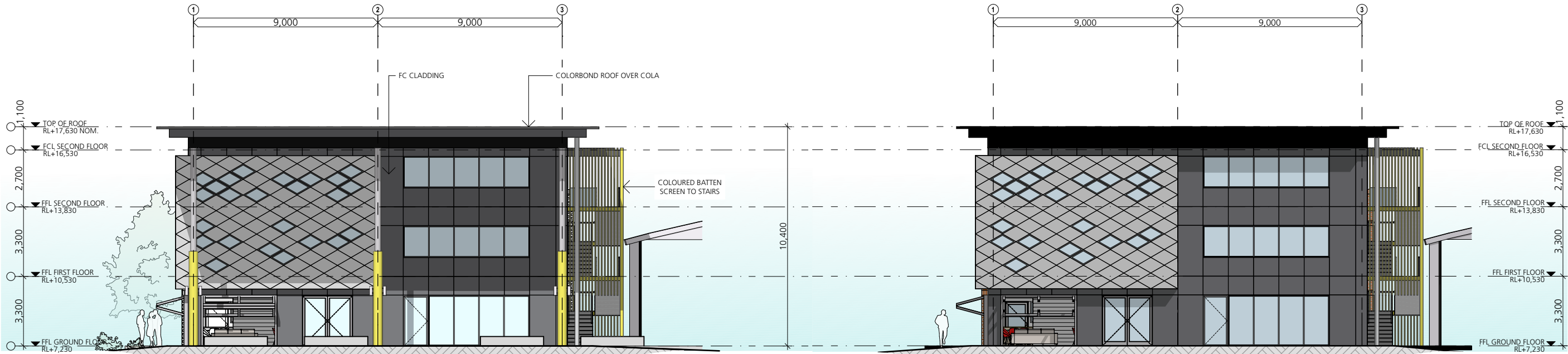
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North-West Elevation



North-East Elevation

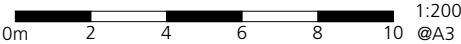
North-East Section

3716
DA3101

Rev 05.09.17

Elevations 02

St Philip's Christian College, Port Stephens Campus - Senior School Building
176 Salamander Way, Salamander Bay



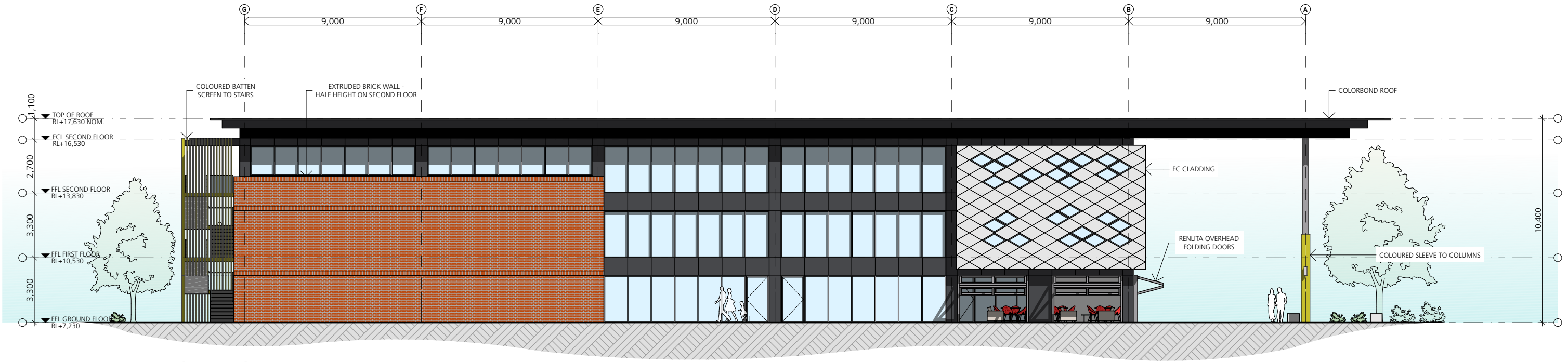
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Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846

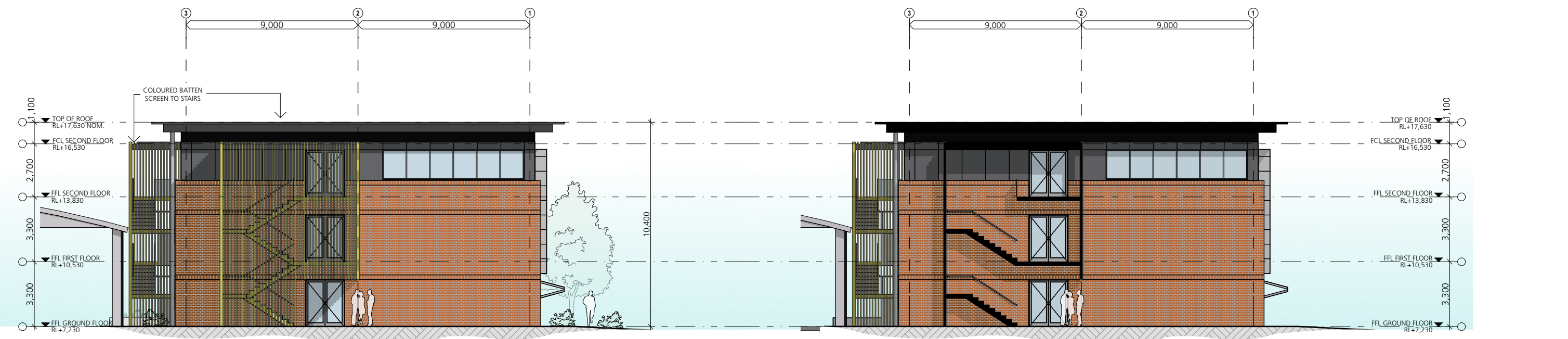
1. Dimensions are in millimeters unless otherwise shown.

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South-East Elevation



South-West Elevation

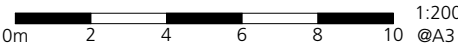
South-West Section

3716
DA3102

RevH 12.09.17

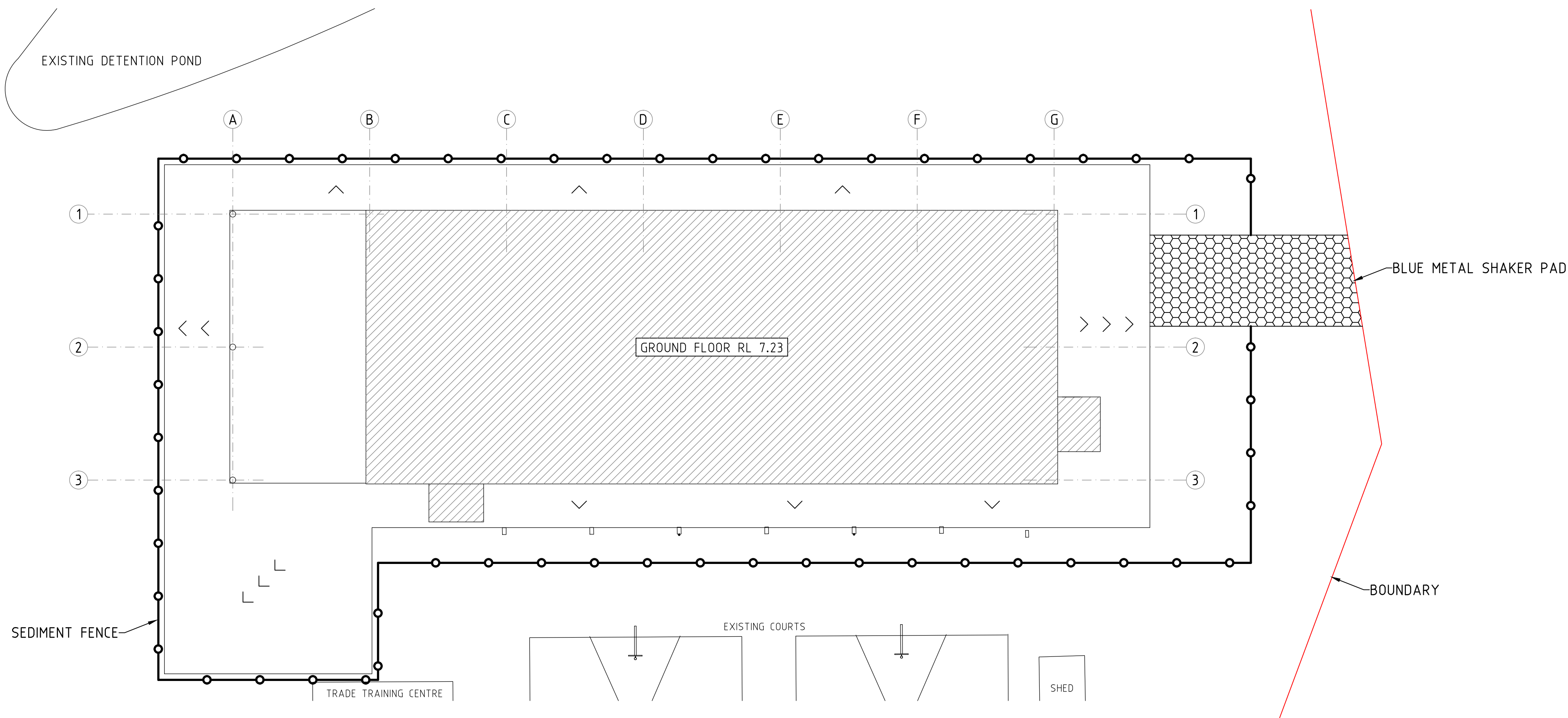
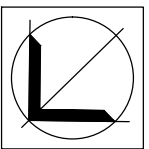
Elevations 01

St Philip's Christian College, Port Stephens Campus - Senior School Building
176 Salamander Way, Salamander Bay



SHAC

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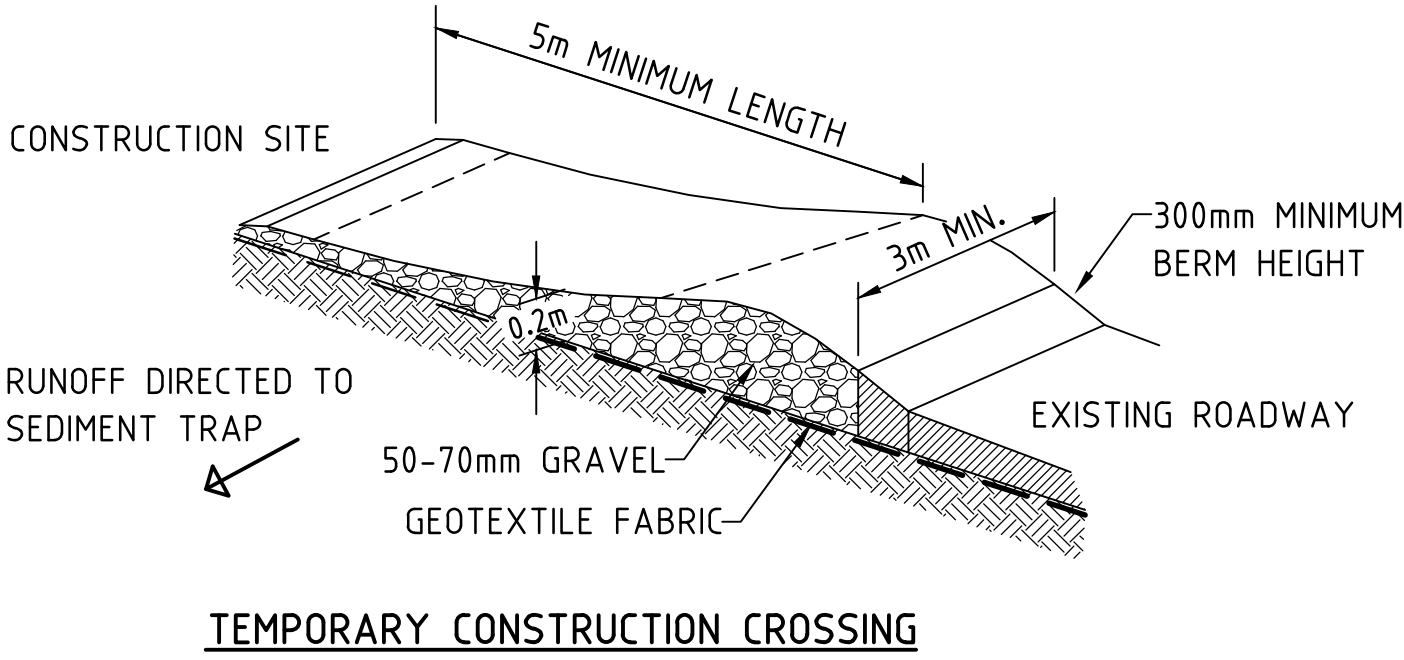
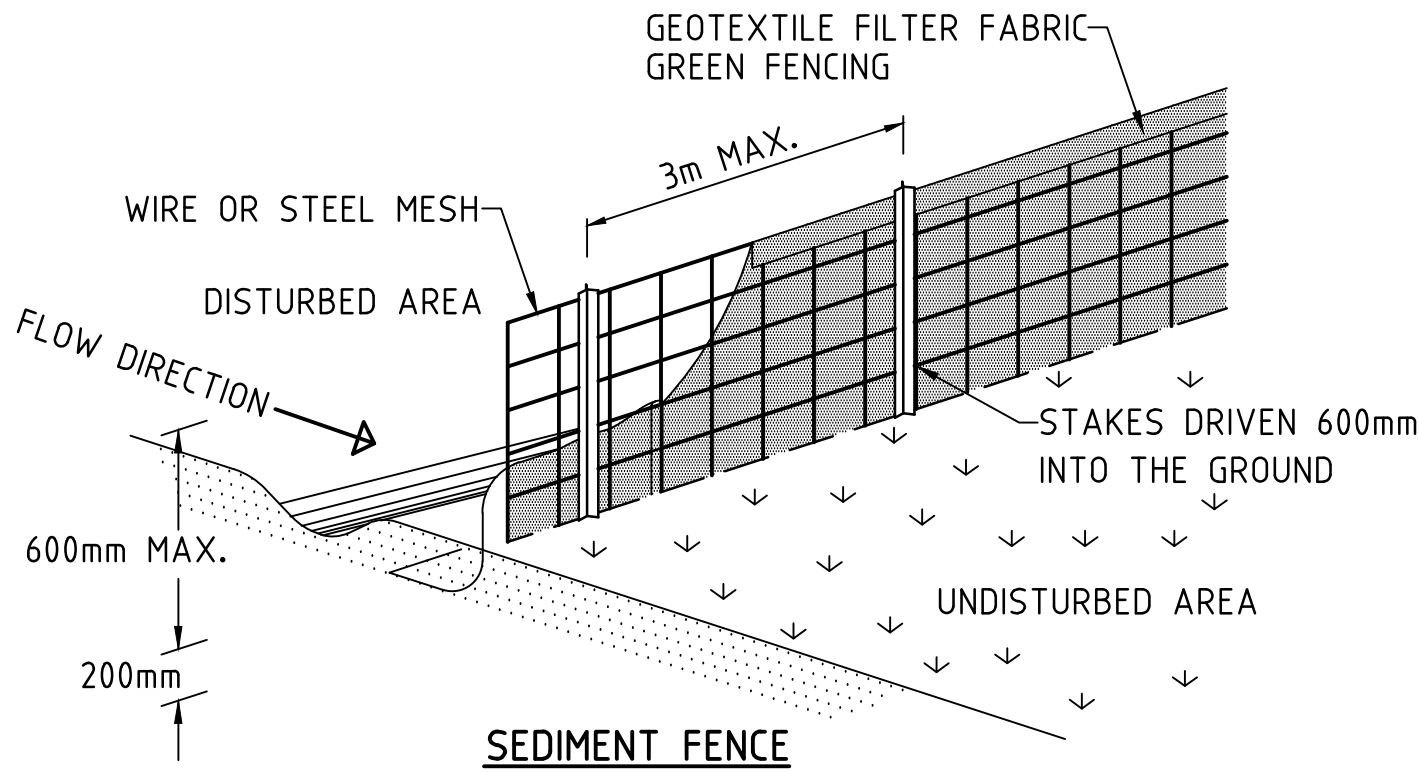


PLAN - SEDIMENT AND EROSION CONTROL SCALE 1:200

- SEDIMENT FENCE
- TEMPORARY CONSTRUCTION ACCESS/EXIT
BLUE METAL SHAKER PAD
- OVERLAND FLOWPATH

NOTE

SITE TO BE FULLY ENCLOSED WITH CONSTRUCTION FENCING PRIOR TO COMMENCEMENT OF WORKS.



GENERAL NOTES

- All excess excavated material to be removed from site.
- Builder to landscape and revegetate the site immediately after building works construction.
- All existing vegetation including trees to be cleared from site.
Refer to landscape plan for details.
- The developer is responsible for ongoing maintenance of erosion and siltation control measures.
- It is the contractors responsibility to ensure that all works are carried out in strict accordance with the OCCUPATIONAL HEALTH AND SAFETY ACT.
- All work is to be carried out in accordance with Councils specification for subdivision works and to the satisfaction of the director of development.
- Council are to notified prior to the commencement of any works.
- All public utilities are to be clearly identified in the field prior to any civil works.
Council does not accept any responsibility for damage or relocation costs to public utilities during the construction of this development.
- Permission to enter, construct works and discharge stormwater on adjoining properties is to be obtained and submitted to council prior to the commencement of any works.
- All erosion and sediment control measures are to be carried out in accordance with Council's code of practice for erosion and sedimentation and must be implemented prior to the commencement of any building of civil works.
- The rectification of all matters arising from insufficient information being shown on the submitted plans is to be carried out to the Engineer's satisfaction.
- These plans are to be read in conjunction with the conditions stated in local Council's engineering plan approval correspondence.

SEDIMENT CONTROL NOTES

- All sediment control devices are to be constructed, placed and maintained in accordance with 'Urban Erosion & Sediment Control', C.A.L.M. N.S.W.
- All perimeter & siltation control measures are to be constructed as the first step in earthworks and/or cleaning.
- All temporary earth berms, diversion & silt dam embankments are to be machine compacted, seeded and mulched for temporary vegetation cover as soon as they have been formed.
- All sediment trapping structures and devices are to be inspected after storms for structural damage or clogging. Trapped material is to be removed to a safe approved location.
- All topsoil is to be stockpiled on site for re-use (away from trees and drainage lines). Measures shall be applied to prevent erosion of the stockpiles.
- All cut and fill slopes are to be seeded and mulched within 10 days of completion of formation.
- No disturbed area is to remain denuded longer than 14 days. Hydromulch or turf as required.
- The area over all service lines not within road reserves is to be mulched and seeded or turfed where instructed within 14 days after backfill.
- No more than 150 metres of trench is to be open at any one time.
- All footpaths, berms and batters and site regrading area are to be topsoiled with minimum 100mm of selected site topsoil and grassed with seed.
- Strips of turf are to be placed immediately behind the kerb of accessways 600mm wide minimum.
- All landscaping measures including the establishment of grassing are to be completed prior to the final inspection. All erosion devices are to be maintained until the landscaping is completed and established.

1	03.08.2017	issued for council approval
issue	date	comment

MICHAEL FITZGERALD

Consulting Engineers Pty Ltd ABN 73 075 676 854
Structural & Civil

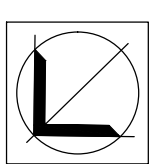
PHONE: (02) 49613924 147 PARKWAY AVENUE
FAX: (02) 49613924 HAMILTON SOUTH.
MOBILE: 0412 056934 N.S.W. 2303.

project
SENIOR SCHOOL BUILDING
ST PHILLIPS CHRISTIAN COLLEGE
PORT STEPHENS COMPLEX
182 SALAMANDER WAY, SALAMANDER

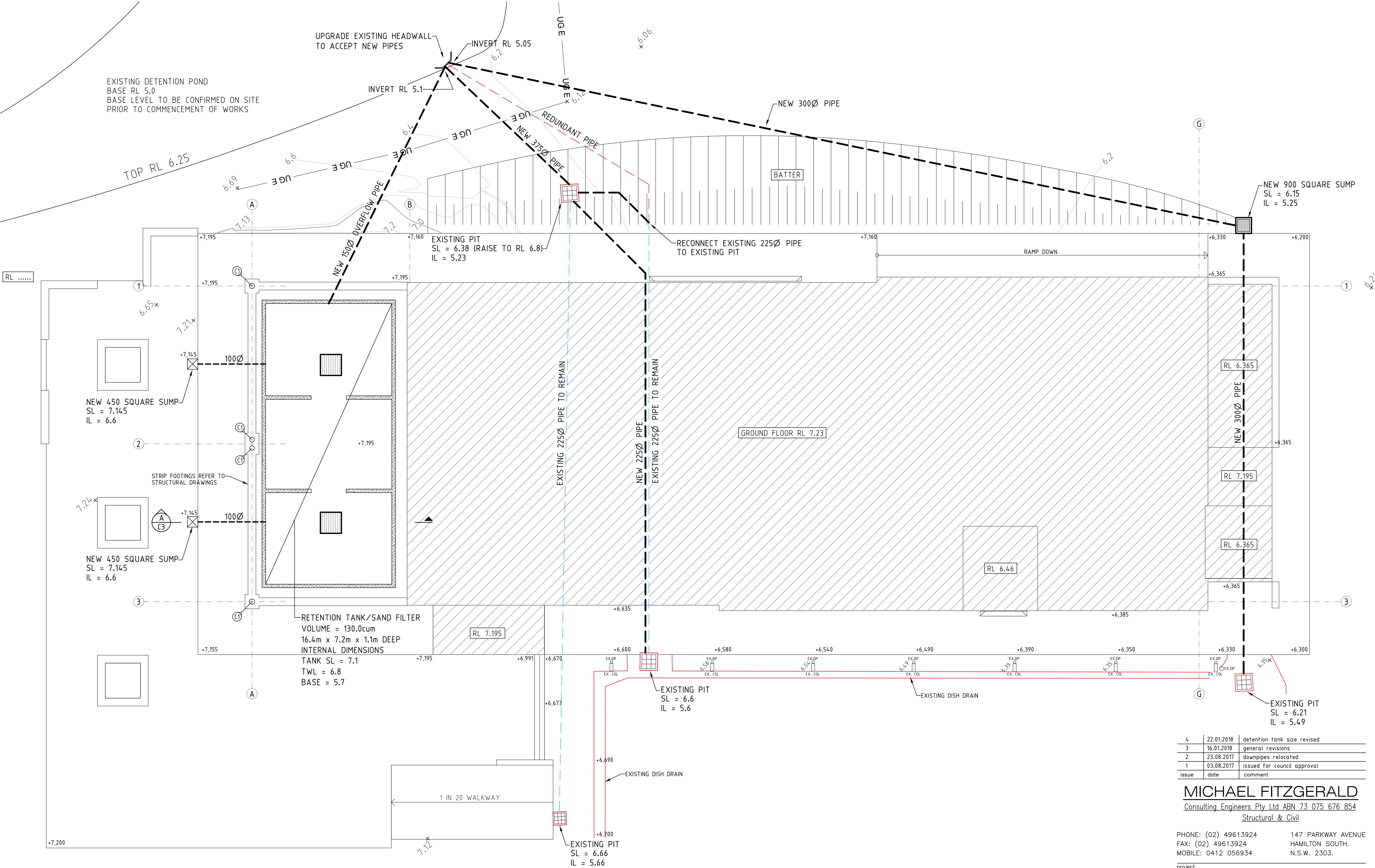
client
ST PHILLIPS CHRISTIAN COLLEGE

drawing
SEDIMENT AND EROSION CONTROL

date AUGUST 2017	scales 1:200	job no. 17-5206
drawn L.TAPP	cad file 2017-042	drawing no. C2
certified Michael Fitzgerald		issue 1



EXISTING DETENTION POND
BASE RL 5.0
BASE LEVEL TO BE CONFIRMED ON SITE
PRIOR TO COMMENCEMENT OF WORKS



NOTES AND LEGEND

NOTE
RETICULATION PIPES AND DOWNPIPES BY MARLINE CONSULTING HYDRAULIC SERVICES ENGINEERS.
EXISTING STORMWATER DRAINAGE PIPE TO BE LOCATED AND RELOCATED AS REQUIRED TO FUTURE DETAILS.

- STORMWATER PIPE SIZE (sewer grade under roads and buildings)
- EXISTING STORMWATER DRAINAGE PIT TO REMAIN
- PRECAST CONCRETE DRAINAGE PIT - REFER SCHEDULE
HEAVY DUTY GALVANISED GRATE COVERS IN TRAFFICABLE AREAS
LIGHT DUTY STAINLESS STEEL 'ACO HEELGUARD' COVERS TO PEDESTRIAN AREAS
- FALL NEW PAVING TO GRASSED AREAS
- DOWNPIPE - REFER ARCHITECTS AND HYDRAULIC ENGINEERS DRAWINGS FOR SETOUT

4	22.01.2018	detention tank size revised
3	16.01.2018	general revisions
2	23.08.2017	downpipes relocated
1	03.08.2017	issued for council approval
issue	date	comment

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client
ST PHILLIPS CHRISTIAN COLLEGE

drawing
STORMWATER DRAINAGE PLAN

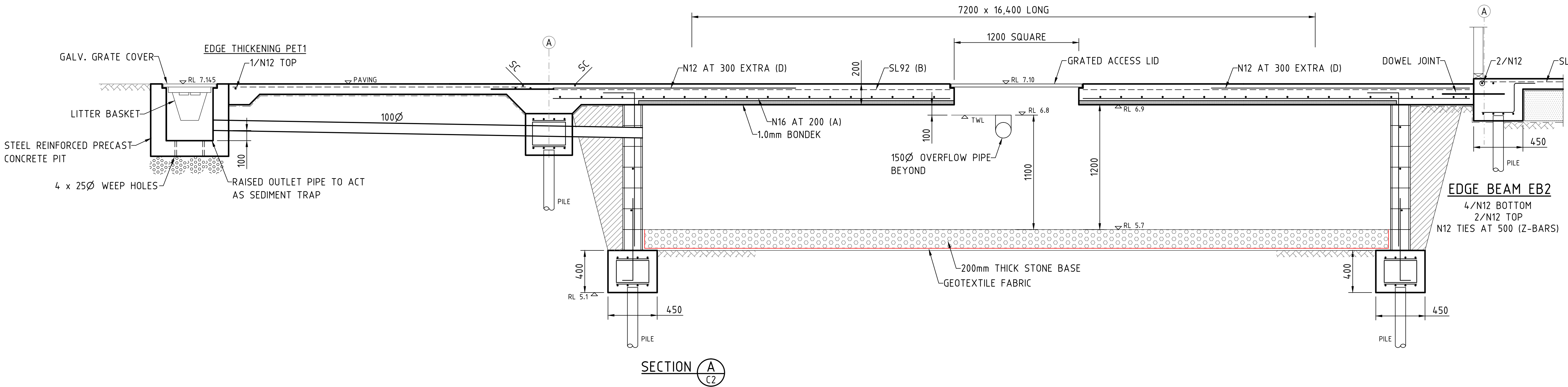
date AUGUST 2017	scales 1:100	job no. 17-5206
drawn L.TAPP	cad file 2017-042	drawing no. C2
certified 	issue 4	

STORMWATER DRAINAGE NOTES

1. ALL STORMWATER DRAINAGE INSTALLATION WORKS TO COMPLY WITH NATIONAL PLUMBING AND DRAINAGE CODE AS 3500, THE BCA, NSW CODE OF PRACTICE 1999, COUNCIL CONSENT CONDITIONS AND THE STATUTORY AUTHORITY'S REQUIREMENTS.
2. ALL PITS TO BE PRECAST CONCRETE STEEL REINFORCED.
3. ALL PIPES TO BE 90Ø UPVC UNLESS NOTED OTHERWISE.
4. ALL PIPE SIZES SHOWN ARE DN (DIAMETER NOMINAL) EQUIVALENT PIPE SIZES FOR THE SELECTED PIPE MATERIALS TO COMPLY WITH TABLE 1.1 AND 1.3 OF AS3500.
5. 100Ø PIPES TO BE CLASS SN6 UPVC LAID AT MINIMUM GRADE 1 IN 100.
6. 150Ø PIPES TO BE CLASS SN4 UPVC LAID AT MINIMUM GRADE 1 IN 100.
7. 90Ø SUBSOIL DRAINAGE CLASS SN6 SLOTTED HARD TUBE LAID AT MINIMUM GRADE 1 IN 200.
8. ARROWS INDICATE DIRECTION OF GRADE 1:100 MINIMUM.
9. ALL LEVELS APPROXIMATE ONLY CONFIRM ON SITE.
10. FLOOR LEVELS SHOWN ARE FINISHED FLOOR LEVELS.
11. COVER AND GRATE LEVELS TO BE MODIFIED AS NECESSARY ON SITE TO MATCH SURROUNDING AND ENSURE DRAINAGE TO GRATES.
12. MINIMUM COVER TO STORMWATER PIPES SHALL BE AS FOLLOWS:
TRAFFICABLE AREAS 450mm.
LANDSCAPED 300mm
PIPES TO BE CONCRETE ENCASED IF MINIMUM COVERS CANNOT BE OBTAINED IN TRAFFICABLE AREAS, REFER TO CLAUSE 3.8 AS 3500.3. ALTERNATIVELY USE UPVC SEWER GRADE PIPES UNDER ROADS AND BUILDINGS.
13. ALL LANDSCAPED AREAS PROVIDE DN90 SUBSOIL DRAINS (AGROFLEX OR SIMILAR) LAID AT MINIMUM GRADE 1 IN 200. PROVIDE GEOFABRIC FILTER SOCK TO ALL PIPES.
14. USE 90Ø UPVC PIPES FROM ALL DOWNPIPES. FOR LOCATIONS OF DOWNPIPES REFER TO ARCHITECTURAL DRAWINGS.
15. ALL OUTLET PIPES TO HAVE 150 x 100 RHS HEAVY DUTY PLASTIC KERB ADAPTORS.

MAINTENANCE PROGRAMME

1. ALL STORMWATER PITS TO BE CLEANED ON A REGULAR BASIS AT MINIMUM 1 MONTH INTERVALS.
2. FLUSH SYSTEM ANNUALLY.



2	22.01.2018	detention tank size revised
1	16.01.2018	general revisions
issue	date	comment

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client
ST PHILLIPS CHRISTIAN COLLEGE

drawing
STORMWATER DRAINAGE DETAILS

date DEC 2017	scales 1:20	job no. 17-5206
drawn L.TAPP	cad file 2017-042	
certified <i>[Signature]</i>	drawing no. C3	issue 2