298-312 BLAXLAND ROAD, RYDE PROPOSED MULTI DWELLING DEVELOPMENT

STORMWATER CONCEPT PLANS

GENERAL NOTES

- 1. ALL THE CLEANING EYES (OR INSPECTION EYES) FOR THE UNDERGROUND PIPES HAVE TO BE TAKEN UP TO THE FINISHED GROUND LEVEL FOR EASY IDENTIFICATION AND MAINTENANCE PURPOSES
- 2. ALL LEVELS SHALL RELATE TO THE ESTABLISHED BENCH MARK
- 3. THE BUILDER SHALL ENSURE THAT THE STORMWATER ENGINEERS DRAWINGS CORRESPOND TO THE ARCHITECTURAL, STRUCTURAL AND LANDSCAPING DRAWINGS. IF THERE EXISTS AND DISCREPANCIES BETWEEN THE DRAWINGS, THE BUILDER SHALL REPORT THE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORKS.
- 4. ALL MULCHING TO BE USED WITHIN THE AREA DESIGNATED AS ONS-SITE DETENTION STORAGE SHALL BE OF A NON-FLOTABLE MATERIAL SUCH AS DECORATIVE RIVER GRAVEL. PINE BARK MULCHING SHALL NOT BE USED WITHIN THE DETENTION STORAGE
- 5. ALL RETAINING WALLS SHALL BE CONSTRUCTED COMPLETELY WITHIN THE PROPERTY BOUNDARY LIMITS TO DETAILS PREPARED BY THE STRUCTURAL ENGINEER. WALLS FORMING THE ON-SITE DETENTION SYSTEM SHALL BE OF MASONARY/BRICK CONSTRUCTION AND WATER TIGHT.
- 6. ALL SUB-SOIL DRAINAGE SHALL BE A MINIMUM OF 65MM DIA AND SHALL BE PROVIDED WITH A FILTER SOCK. THE SUBSOIL DRAINAGE SHALL BE INSTALLED IN ACCORDANCE WITH DETAILS TO BE PROVIDED BY THE LANDSCAPE ARCHITECT.
- 7. PRIOR TO COMMENCING ANY WORKS, THE BUILDER SHALL ENSURE THAT THE INVERT LEVELS OF WHERE THE SITE STORMWATER SYSTEM CONNECTS INTO THE COUNCILS KERB/DRAINAGE SYSTEM MATCHED THE DESIGN LEVELS. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY.
- 8. ALL LINES ARE TO BE Ø90 uPVC 1.0% GRADE UNLESS NOTED OTHERWISE. CHARGE LINES TO BE SEWERGRADE & SEALED.
- 9. EXISTING SERVICES LOCATIONS SHOWN INDICATIVE ONLY.
- 10. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS.
- 11. ALL PIPES TO HAVE MIN 150mm COVER IF LOCATED WITHIN PROPERTY.
- 12. ALL PITS IN DRIVEWAYS TO BE 450x450 CONCRETE AND ALL PITS IN LANDSCAPED AREAS
- 13. PITS LESS THAN 450 DEEP MAY BE BRICK, PRECAST OR CONCRETE.
- 14. ALL BALCONIES AND ROOFS TO BE DRAINED AND TO HAVE SAFETY OVERFLOWS IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS.
- 15. ALL EXTERNAL SLABS TO BE WATERPROOFED.
- 16. ALL GRATES TO HAVE CHILD PROOF LOCKS.
- 17. ALL DRAINAGE WORKS TO AVOID TREE ROOTS.
- 18. ALL DP'S TO HAVE LEAF GUARDS.
- 19. ALL EXISTING LEVELS TO BE CONFIRMED BY BUILDER PRIOR TO CONSTRUCTION.
- 20. ALL WORK WITHIN COUNCIL RESERVE TO BE INSPECTED BY COUNCIL PRIOR TO CONSTRUCTION.
- 21. COUNCIL'S ISSUED FOOTWAY DESIGN LEVELS TO BE INCORPORATED INTO THE FINISHED LEVELS ONCE ISSUED BY COUNCIL.
- 22. ALL WORK SHALL BE IN ACCORDANCE WITH B.C.A. AND A.S.3500.3.
- 23. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR LANDSCAPING.
- 24. ALL WALLS FORMING THE DETENTION BASINS SHALL BE CONSTRUCTED WHOLLY WITHIN THE PROPERTY BOUNDARIES OF THE SITE BEING DEVELOPED.
- 25. OSD WARNING SIGN AND SAFETY FENCING SHALL BE PROVIDED TO ABOVE GROUND OSD STORAGE AREA IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS.
- 26. ENSURE THAT NON FLOATABLE MULCH IS USED IN DETENTION BASINS, ie, USE DECORATIVE ROCK MULCH OR EQUIVALENT.
- 27. THE OSD BASIN / TANK IS TO BE BUILT TO THE CORRECT LEVELS & SIZE AS PER THIS DESIGN. ANY VARIATIONS ARE TO BE DONE UNDER CONSULTATION FROM OUR OFFICE ONLY. ANY AMENDMENTS WITHOUT OUR APPROVAL WOULD RESULT IN ADDITIONAL FEES FOR REDESIGN AT OC STAGE OR IF A SOLUTION CANNOT BE FOUND, RECONSTRUCTION IS REQUIRED UNDER THE CONTRACTOR'S EXPENSES
- 28. ALL PIPES IN BALCONIES TO BE Ø65 uPVC IN CONCRETE SLAB. CONTRACTOR TO PROVIDE A BREAK / OPEN VOID IN RAIL / BALLUSTRADE FOR STORMWATER EMERGENCY OVERFLOW. ALL ENCLOSED AREAS / PLANTER BOXES TO BE FITTED WITH FLOOR WASTES & DRAINED TO OSD. DOWNPIPES TO BE CHECKED BY ARCHITECT & PLUMBER PRIOR TO CONSTRUCTION.



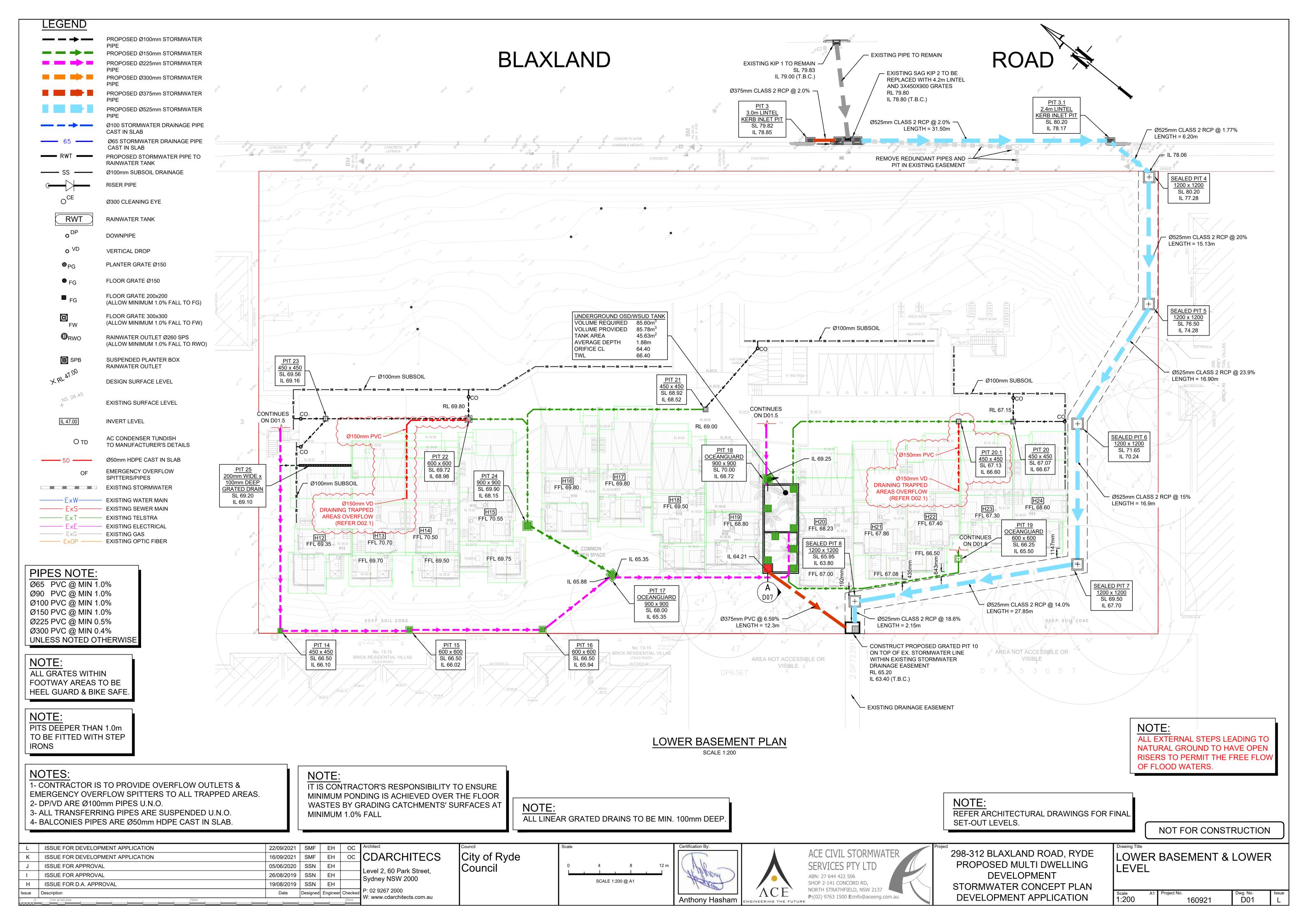
LOCALITY PLAN

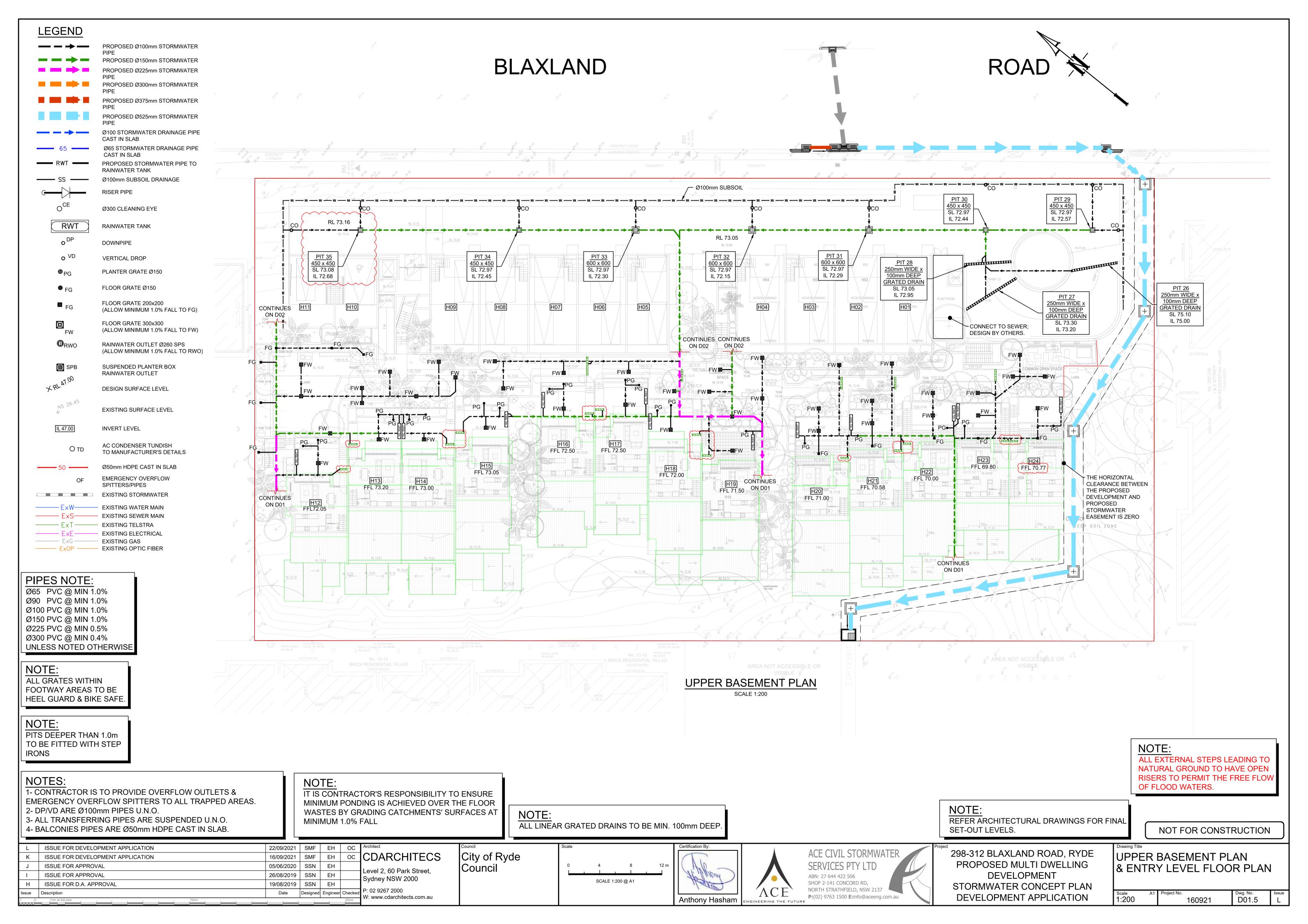
DRAWING INDEX			
Drawing No.	DESCRIPTION		
D00	COVER SHEET, NOTES & DRAWING INDEX		
D01	LOWER BASEMENT & LOWER LEVEL		
D01.5	UPPER BASEMENT PLAN & ENTRY LEVEL FLOOR PLAN		
D02	LOWER GROUND FLOOR PLAN		
D02.1	OVERLAND FLOW PATH DETAILS SHEET		
D02.2	GROUND FLOOR PLAN		

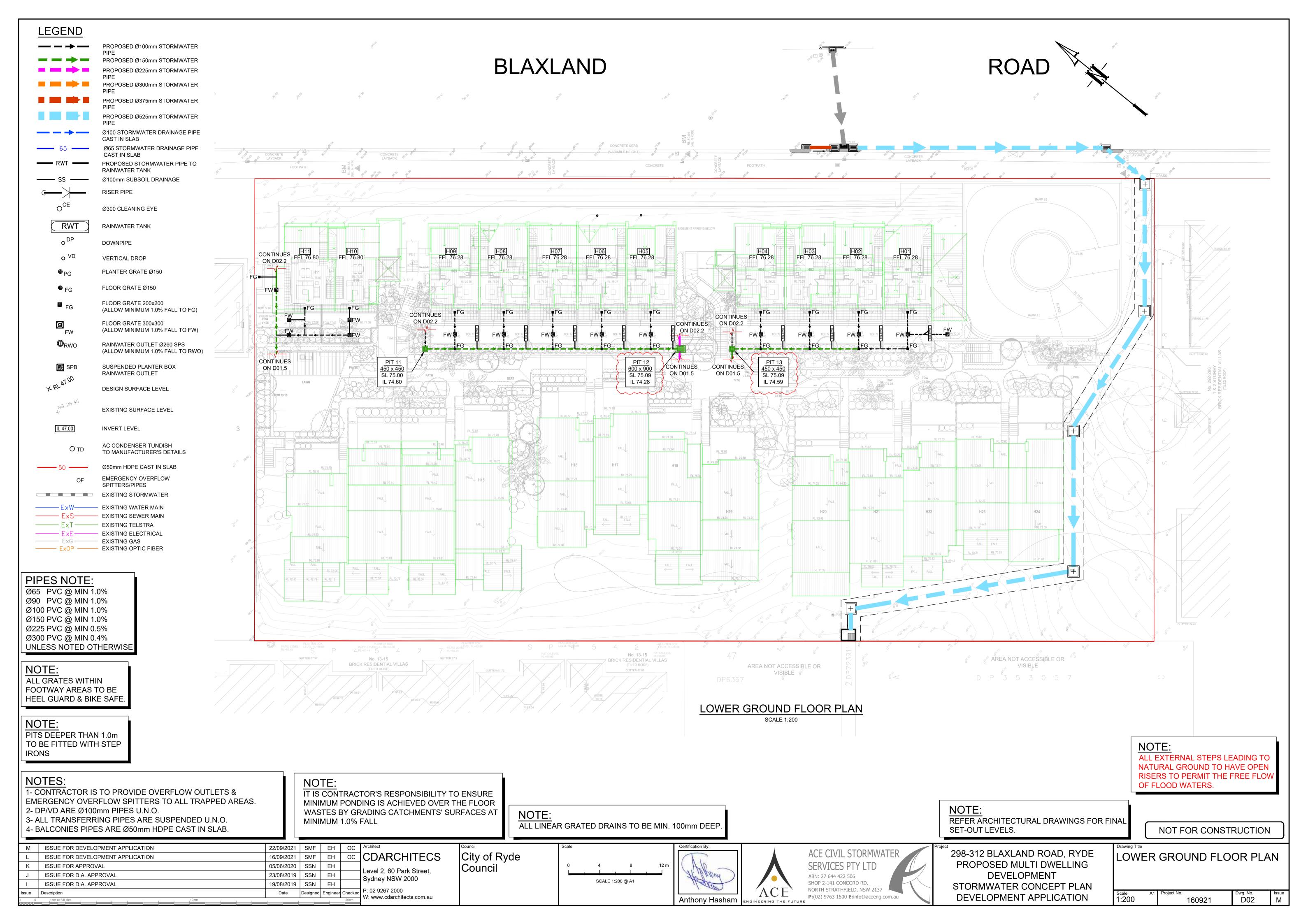
DRAWING INDEX					
Drawing No.	No. DESCRIPTION				
D02.5	CATCHMENT PLAN & MUSIC DETAILS SHEET				
D05	SITE STORMWATER DRAINAGE DETAILS PAGE 1				
D06	DRAINAGE LONG SECTION 100 YR ARI STORM EVENT				
D07	SITE STORMWATER DRAINAGE DETAILS PAGE 2				
D10	EROSION AND SEDIMENT CONTROL / SOIL & WATER MANAGEMENT PLAN				
D11	(NOT USED)				

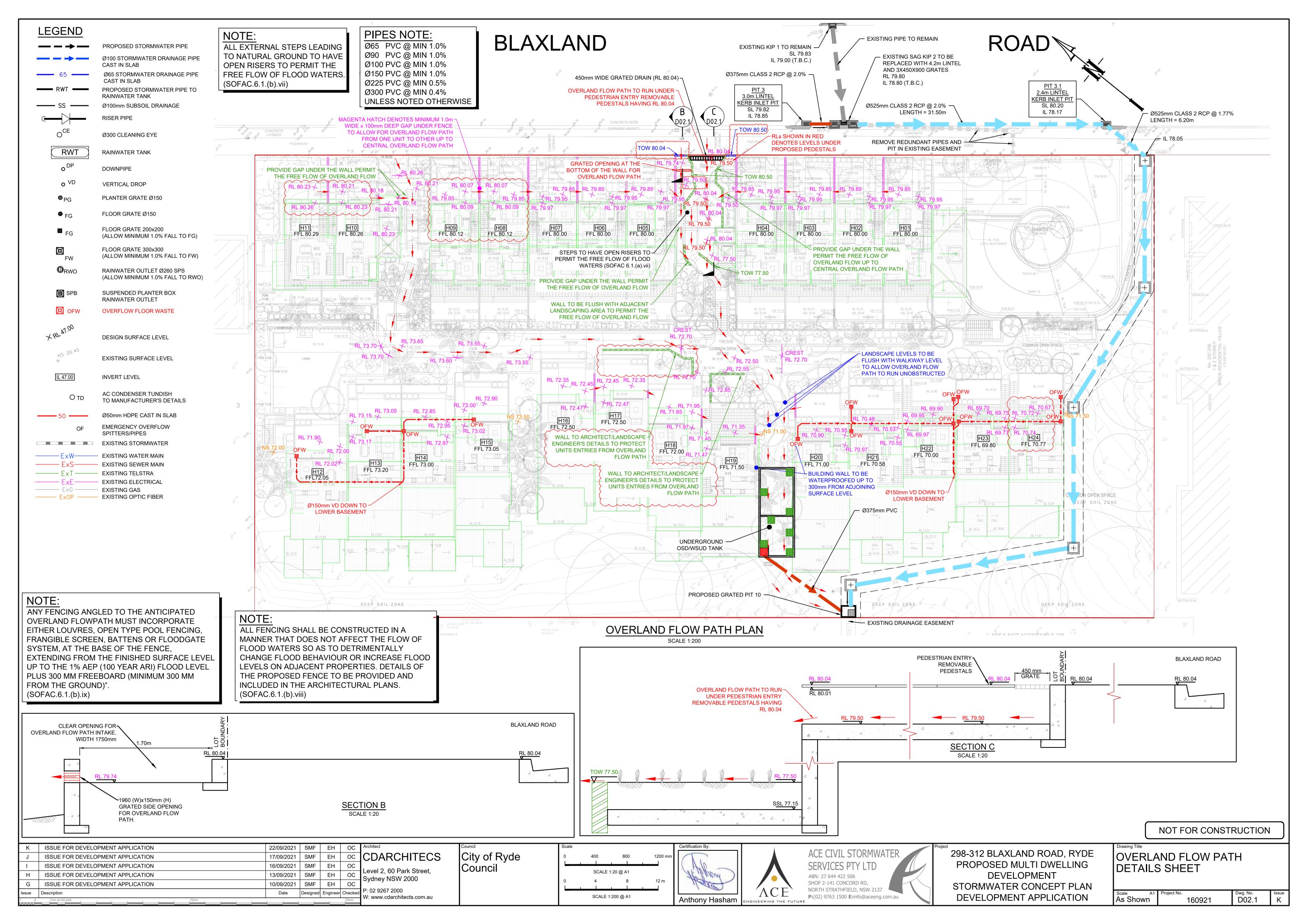
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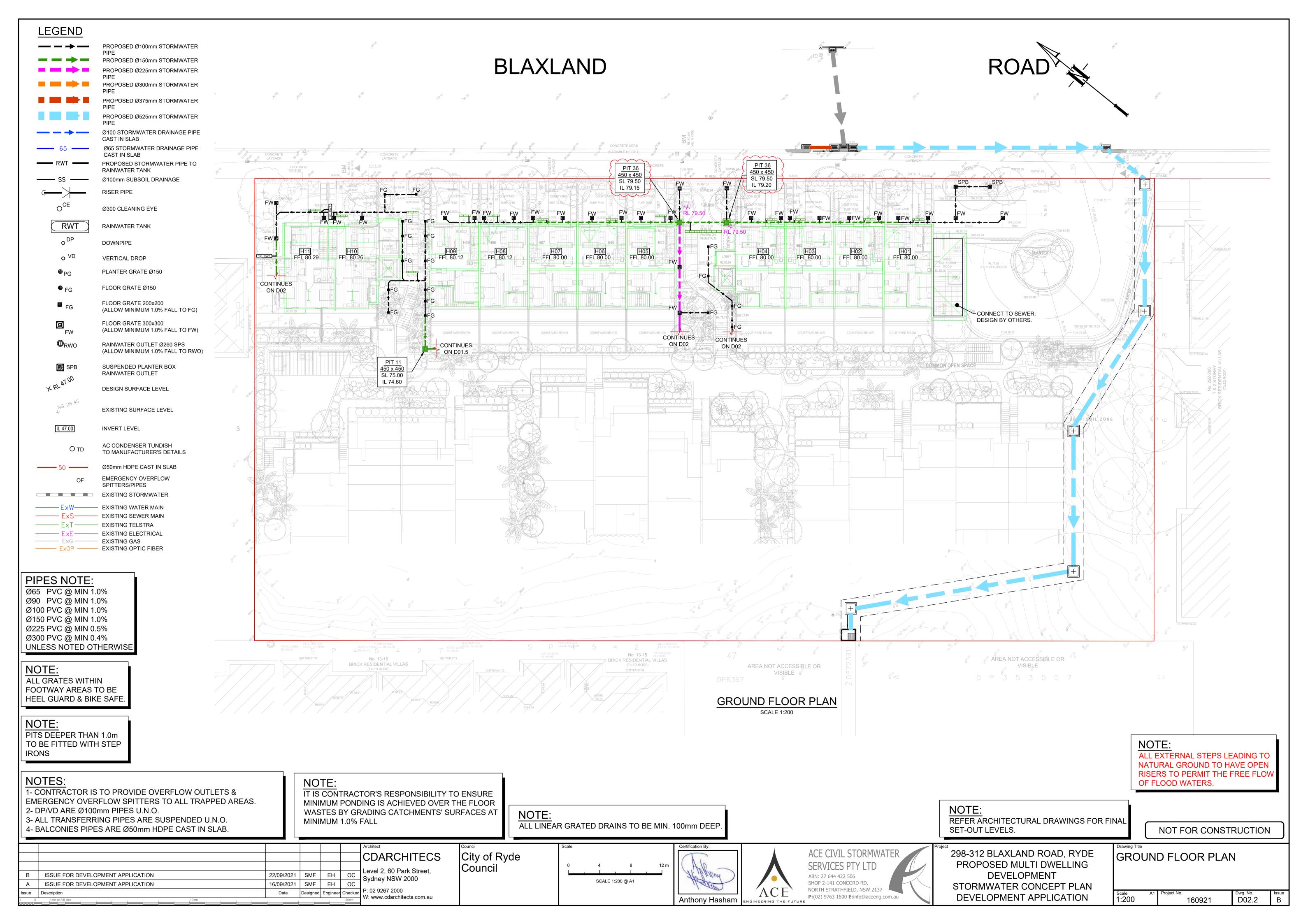
ISSUE FOR DEVELOPMENT APPLICATION 16/09/2021 | SMF | EH | ACE CIVIL STORMWATER 298-312 BLAXLAND ROAD, RYDE **COVER SHEET, NOTES & CDARCHITECS** City of Ryde **ISSUE FOR APPROVAL** 05/06/2020 | SSN | EH PROPOSED MULTI DWELLING SERVICES PTY LTD **DRAWING INDEX** ISSUE FOR D.A. APPROVAL 25/06/2019 SSN EH Council Level 2, 60 Park Street, DEVELOPMENT ISSUE FOR D.A. APPROVAL 28/08/2018 | SSN | EH ABN: 27 644 422 506 Sydney NSW 2000 SHOP 2-141 CONCORD RD, ISSUE FOR D.A. APPROVAL 19/10/2017 | SN | EH STORMWATER CONCEPT PLAN NORTH STRATHFIELD, NSW 2137 P: 02 9267 2000 Date Designed Engineer Checker Issue Description **P:**(02) 9763 1500 **E:**info@aceeng.com.au V: www.cdarchitects.com.au DEVELOPMENT APPLICATION N.T.S. 160921 D00

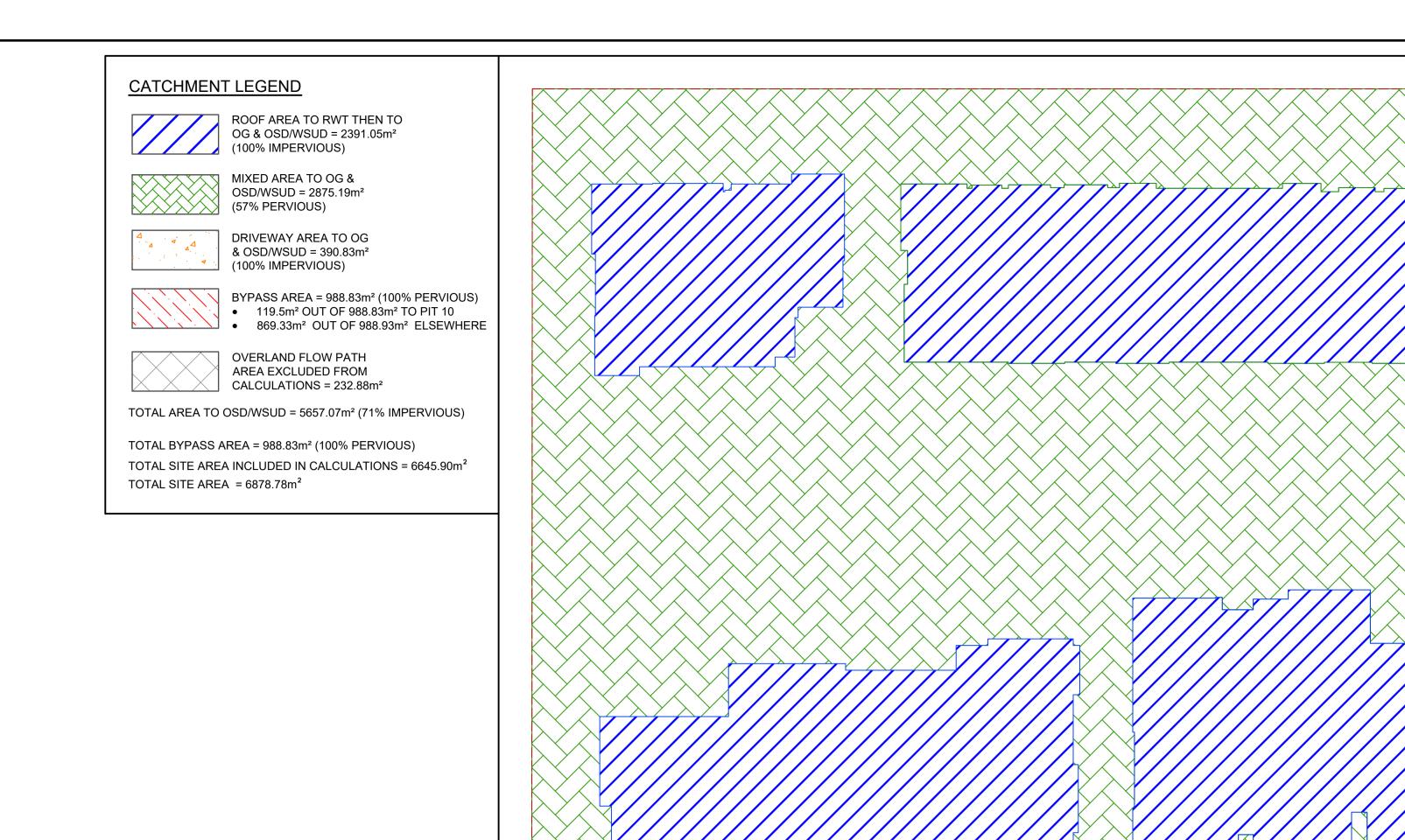






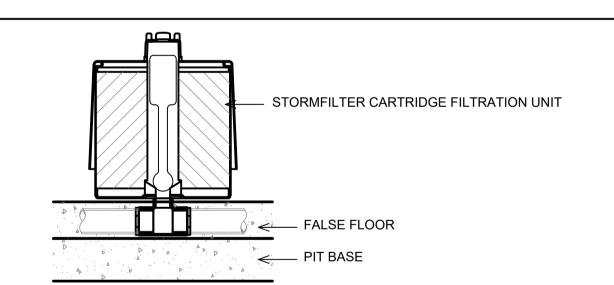






GENERAL NOTES

- INLET AND OUTLET PIPES TO BE IN ACCORDANCE WITH APPROVED PLANS. 2. A HIGH FLOW BYPASS ARRANGEMENT OR DISSIPATION STRUCTURE MAY BE REQUIRED TO MINIMISE RE-SUSPENSION OF SOLIDS OR ANY SIGNIFICANT INERTIAL
- FORCES ON THE CARTRIDGES. 3. ALL WATER QUALITY TREATMENT DEVICES REQUIRE PERIODIC MAINTENANCE. REFER TO OPERATION AND MAINTENANCE MANUAL FOR GUIDELINES AND ACCESS
- 4. SITE SPECIFIC PRODUCTION DRAWING WILL BE PROVIDED ON PLACEMENT OF
- THE INVERT LEVEL OF THE INLET PIPE MUST BE GREATER THAN THE RL OF THE
- FALSE FLOOR WITHIN THE CARTRIDGE CHAMBER. CONCRETE STRUCTURE AND ACCESS COVERS DESIGNED AND PROVIDED BY OTHERS. ACCESS COVERS TO BE A MINIMUM 900 X 900 ABOVE CARTRIDGES. OH&S REGARDING ACCESS COVERS AND TANK ACCESS TO BE ASSESSED BY OTHERS ON
- 7. THE STRUCTURE THICKNESSES SHOWN ARE FOR REPRESENTATIONAL PURPOSES.
- 8. DRAWINGS NOT TO SCALE.

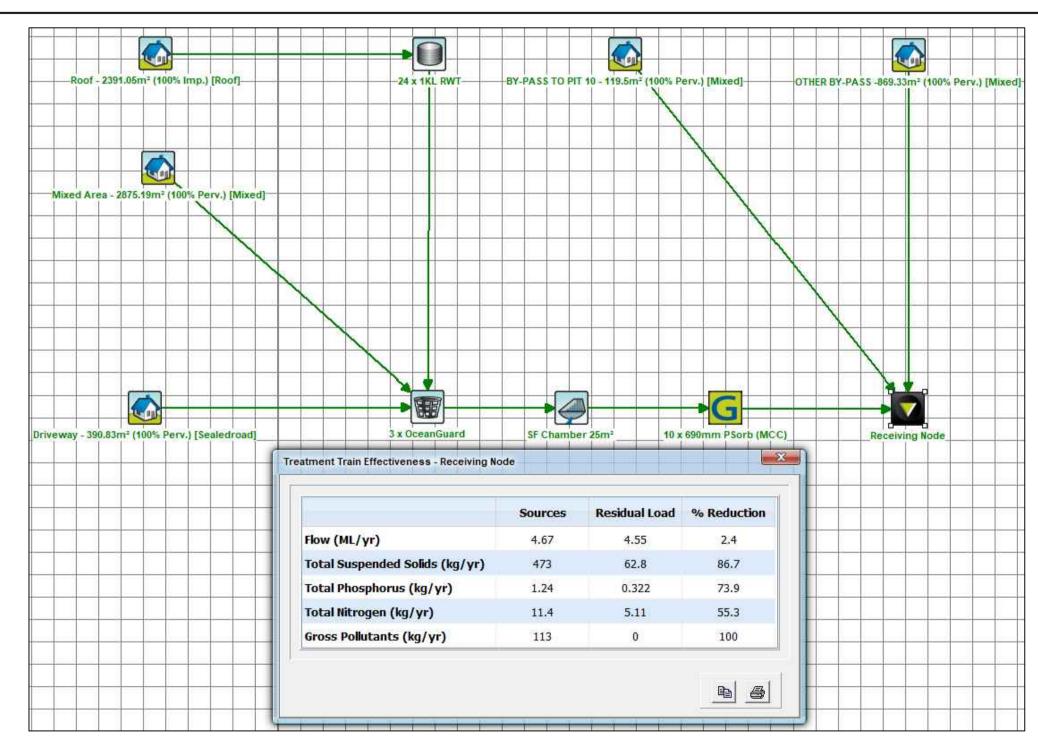


STORMFILTER CARTRIDGE **DETAIL**

W: www.cdarchitects.com.au

Facility Component Requiring Maintenance	Maintenance Activity	When Maintenance Activity Is Required	Expected Facility Performance After Maintaining	INSPECTION/MINOR MAINTENANCE (TIMES/YEAR)	MAJOR MAINTENANCE (TIMES/YEAR)
StormFilter® Cartridges and Containment Structure	Trash and Debris Removal	Floatable objects or other trash is present in the filter. Remove to avoid hindrance of filtration and eliminate unsightly debris and trash.	Permanent removal from storm system.	2 (and after major storms)	1 (except in case of a spill)
	Cartridge Replacement and Sediment Removal	Media has been contaminated by high levels of pollutants, such as after a spill.	New media is able to effectively treat stormwater.	12	86
Drainage System Piping	Flushing With Water	Drainage system is obstructed by debris or sediment.	Outflow is not restricted.	4	选 系

CATCHMENT PLAN SCALE 1:200



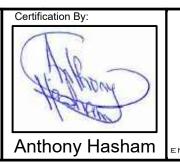
MUSIC RESULTS

NOT FOR CONSTRUCTION

CDARCHITECS ISSUE FOR DEVELOPMENT APPLICATION 16/09/2021 SMF EH OC 05/06/2020 SSN EH ISSUE FOR APPROVAL Level 2, 60 Park Street, ISSUE FOR D.A. APPROVAL 19/08/2019 | SSN | EH Sydney NSW 2000 ISSUE FOR D.A. APPROVAL 25/06/2019 SSN EH P: 02 9267 2000 Issue Description Date Designed Engineer Checked

City of Ryde Council

SCALE 1:200 @ A1





ACE CIVIL STORMWATER SERVICES PTY LTD ABN: 27 644 422 506 SHOP 2-141 CONCORD RD, NORTH STRATHFIELD, NSW 2137 P:(02) 9763 1500 E:info@aceeng.com.au

298-312 BLAXLAND ROAD, RYDE PROPOSED MULTI DWELLING DEVELOPMENT STORMWATER CONCEPT PLAN DEVELOPMENT APPLICATION

CATCHMENT PLAN & MUSIC DETAILS SHEET

Scale A1 As Shown Dwg. No. **D02.5** 160921

