PROPOSED RESIDENTIAL DEVELOPMENT 5 HALIFAX STREET, MACQUARIE PARK. STORMWATER CONCEPT DESIGN



DRAWINGS LIST								
SHEET No.	TITLE							
01	SW100	COVER SHEET	D					
02	SW200	STORMWATER CONCEPT DESIGN - BASEMENT 05 PLAN	D					
03	SW201	201 STORMWATER CONCEPT DESIGN - BASEMENT 01 PLAN - SHEET 01						
04	SW202 STORMWATER CONCEPT DESIGN - BASEMENT 01 PLAN - SHEET 02							
05	SW203	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN - SHEET 01	D					
06	SW204	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN - SHEET 02	D					
07	SW300	STORMWATER CONCEPT DESIGN - DETAILS SHEET - SHEET 01	D					
08	SW301	STORMWATER CONCEPT DESIGN - DETAILS SHEET - SHEET 02	D					
09	SW400	EROSION AND SEDIMENT CONTROL - PLAN	D					
10	SW401	EROSION AND SEDIMENT CONTROL - DETAILS	D					
11	SW500	STORMWATER CONCEPT DESIGN - MUSIC CATCHMENT PLAN, MODEL & RESULTS	D					

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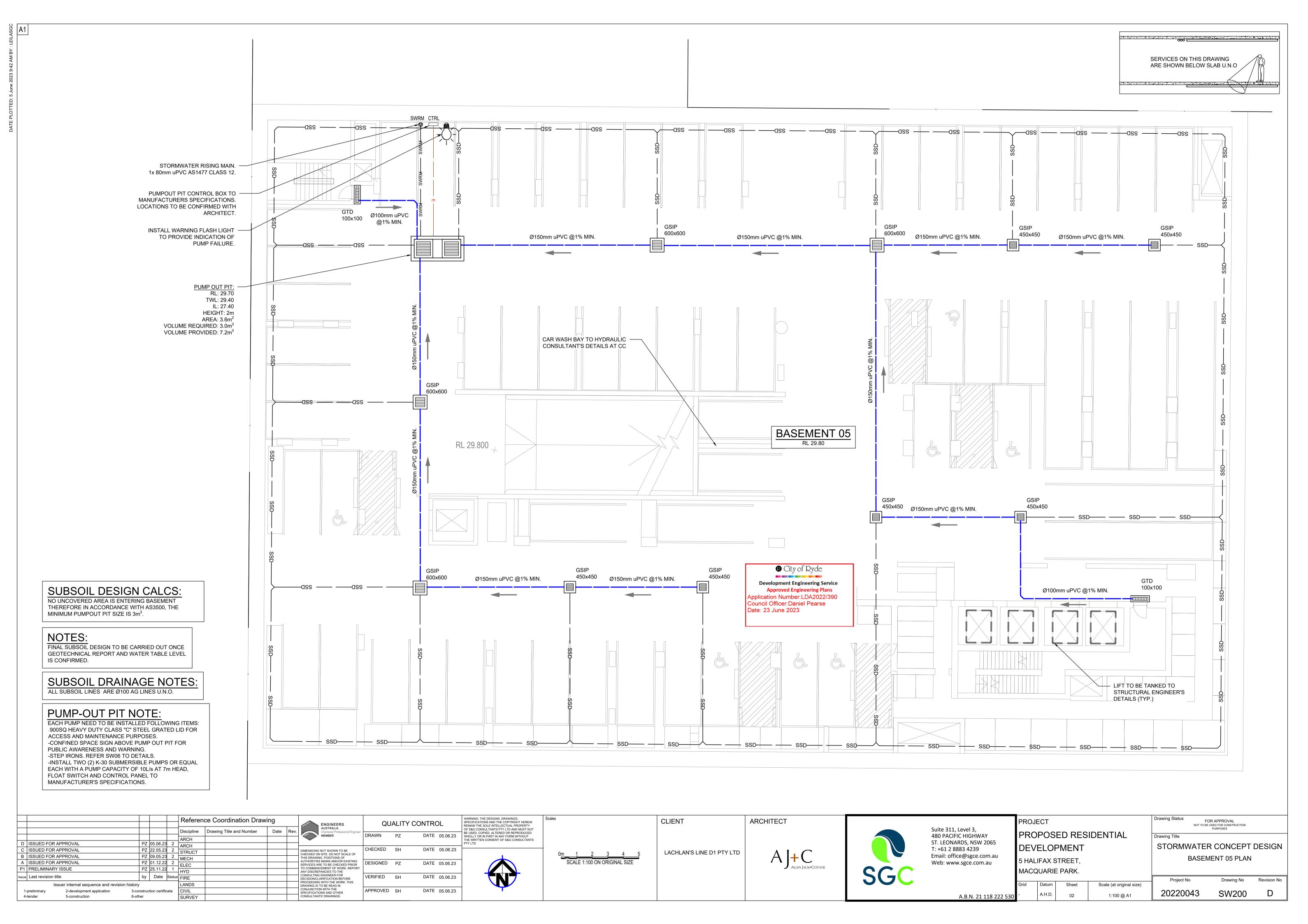


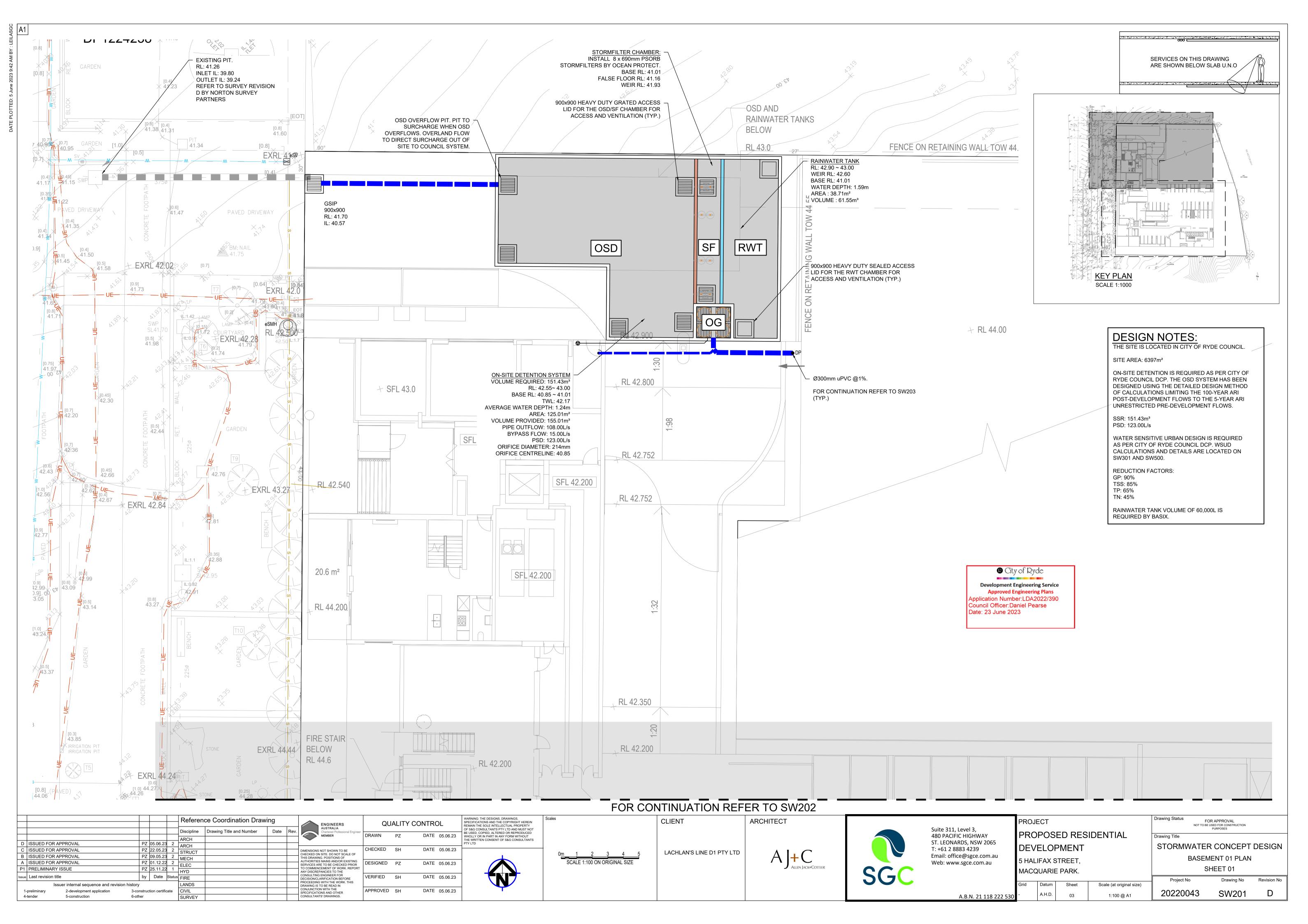
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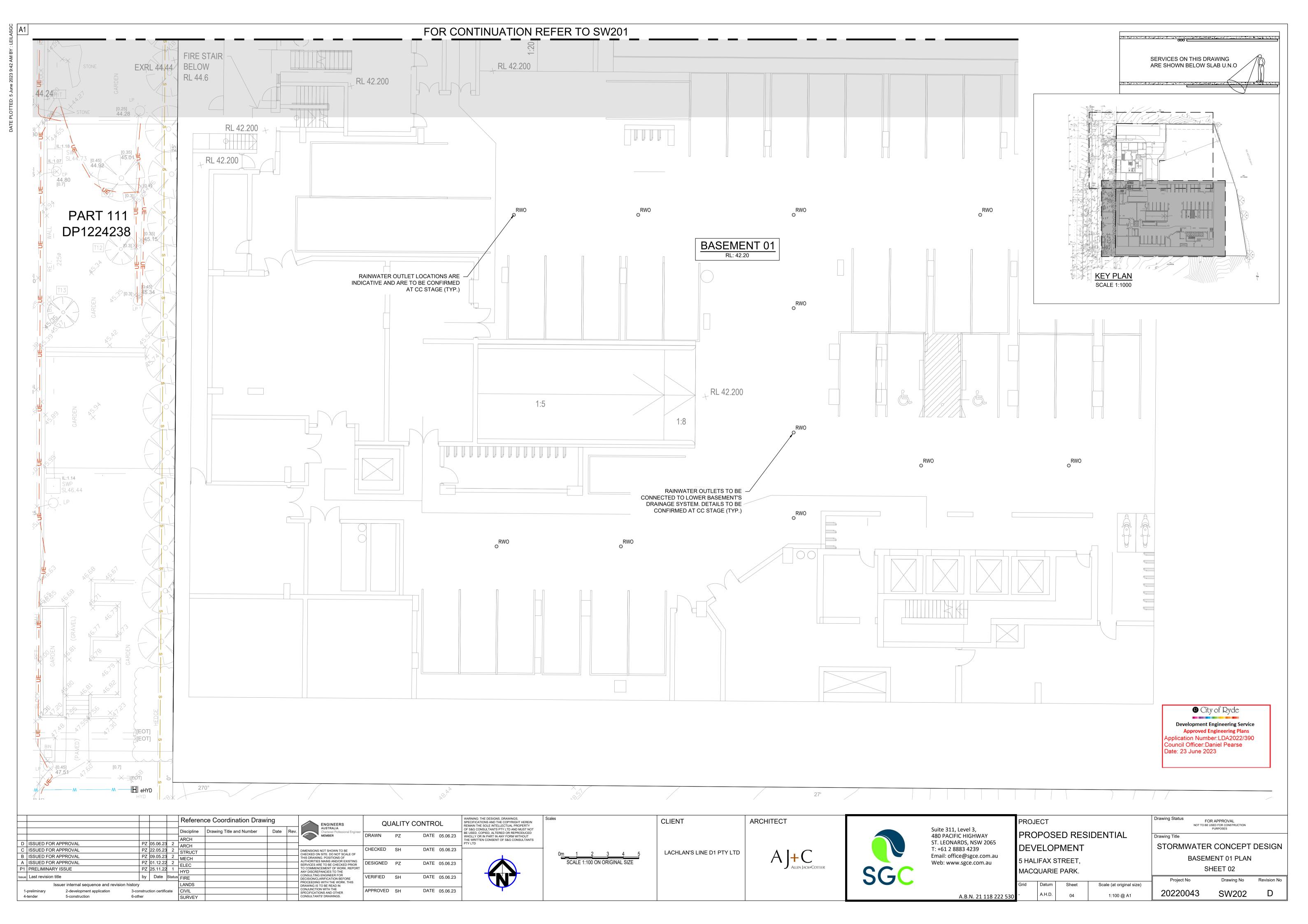
Development Engineering Service
Approved Engineering Plans
Application Number: LDA2022/390
Council Officer: Daniel Pearse
Date: 23 June 2023

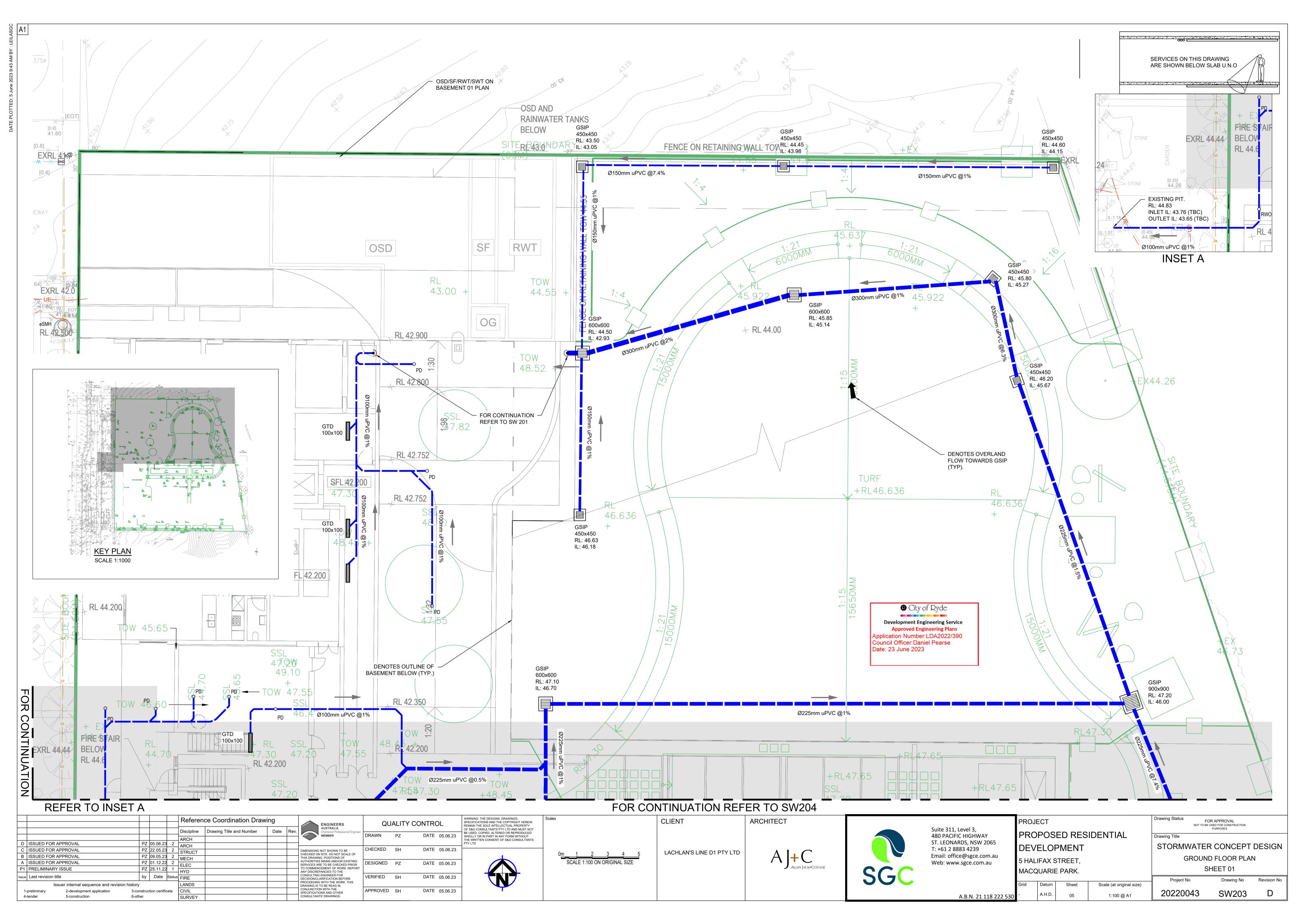
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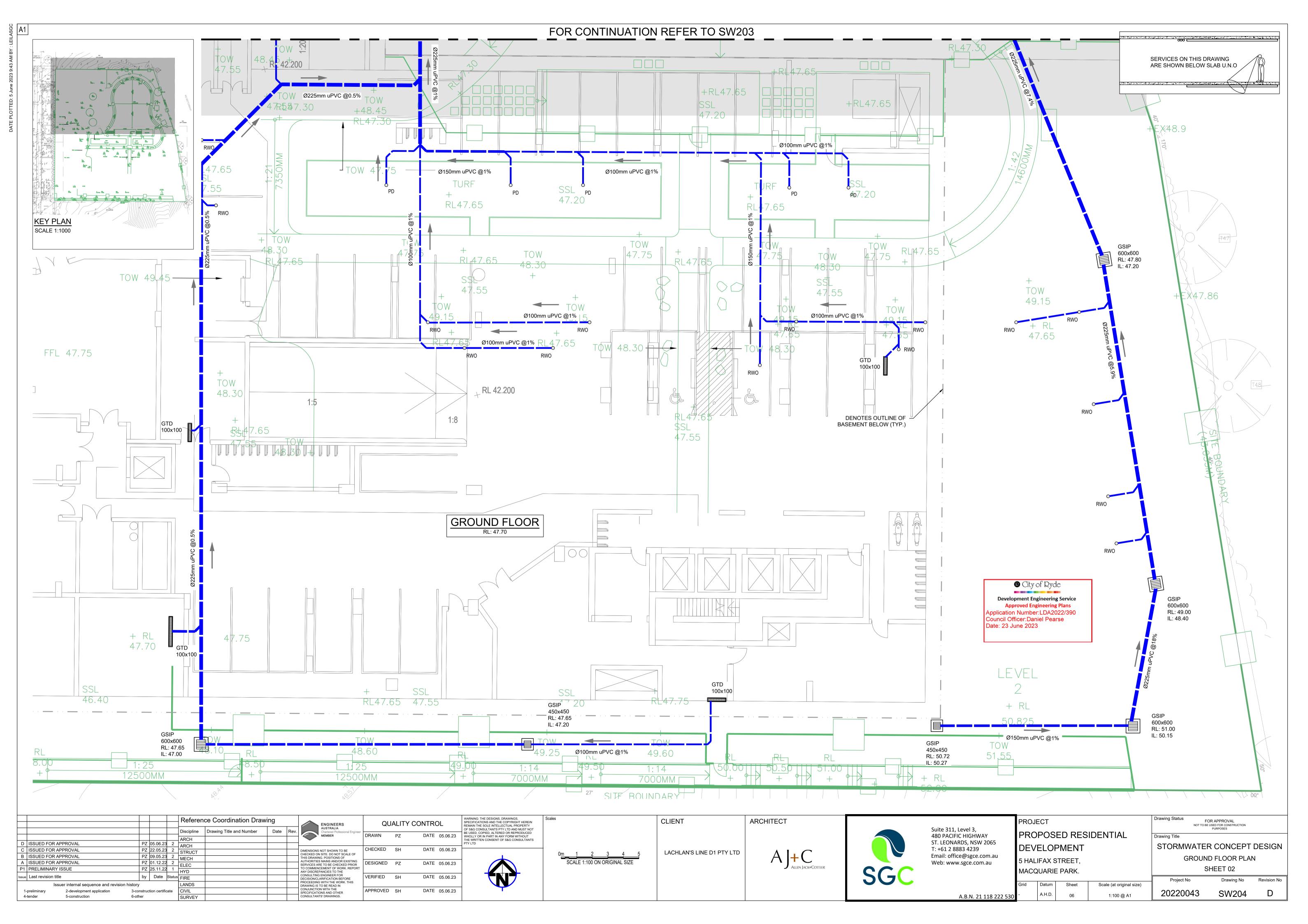


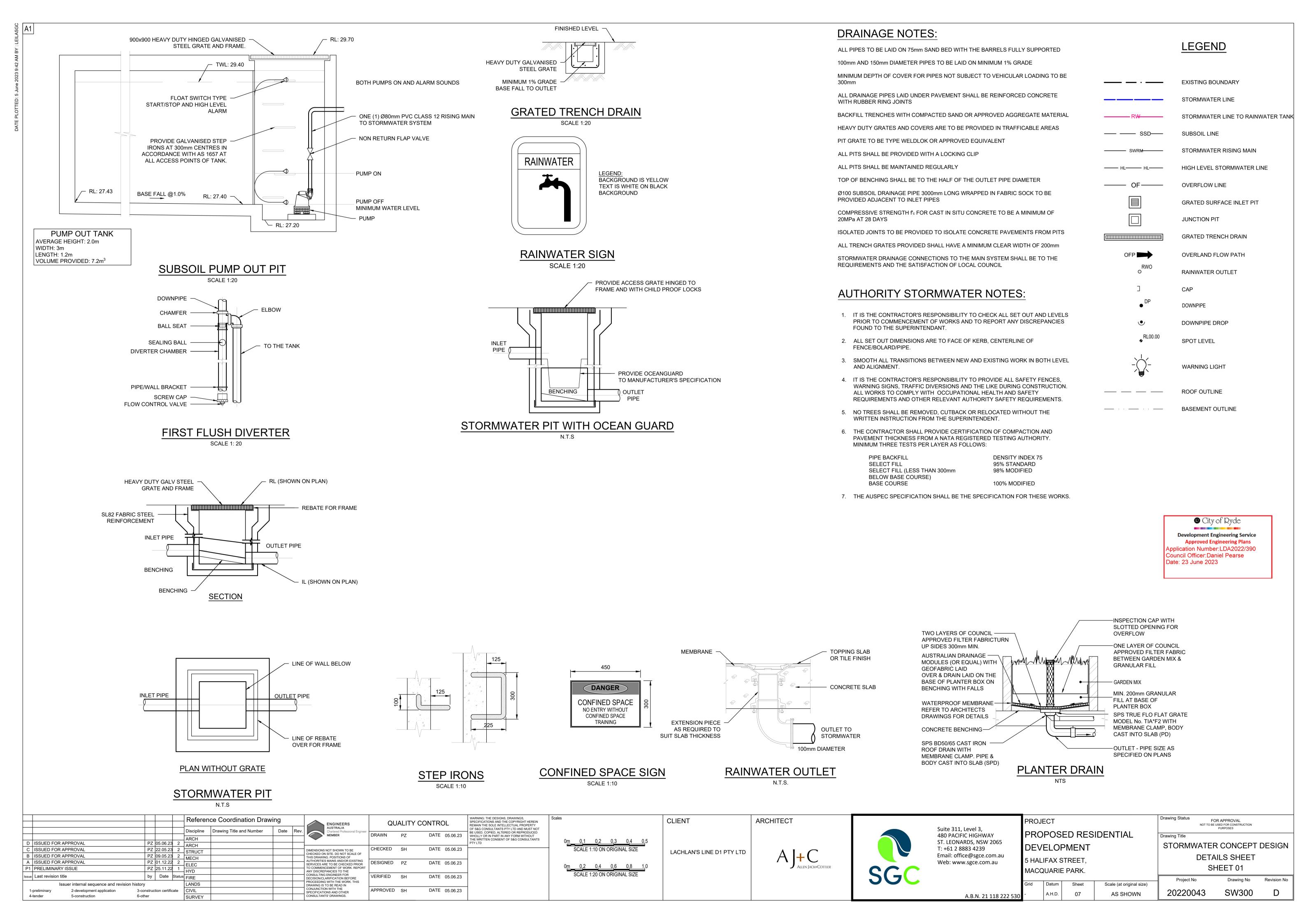


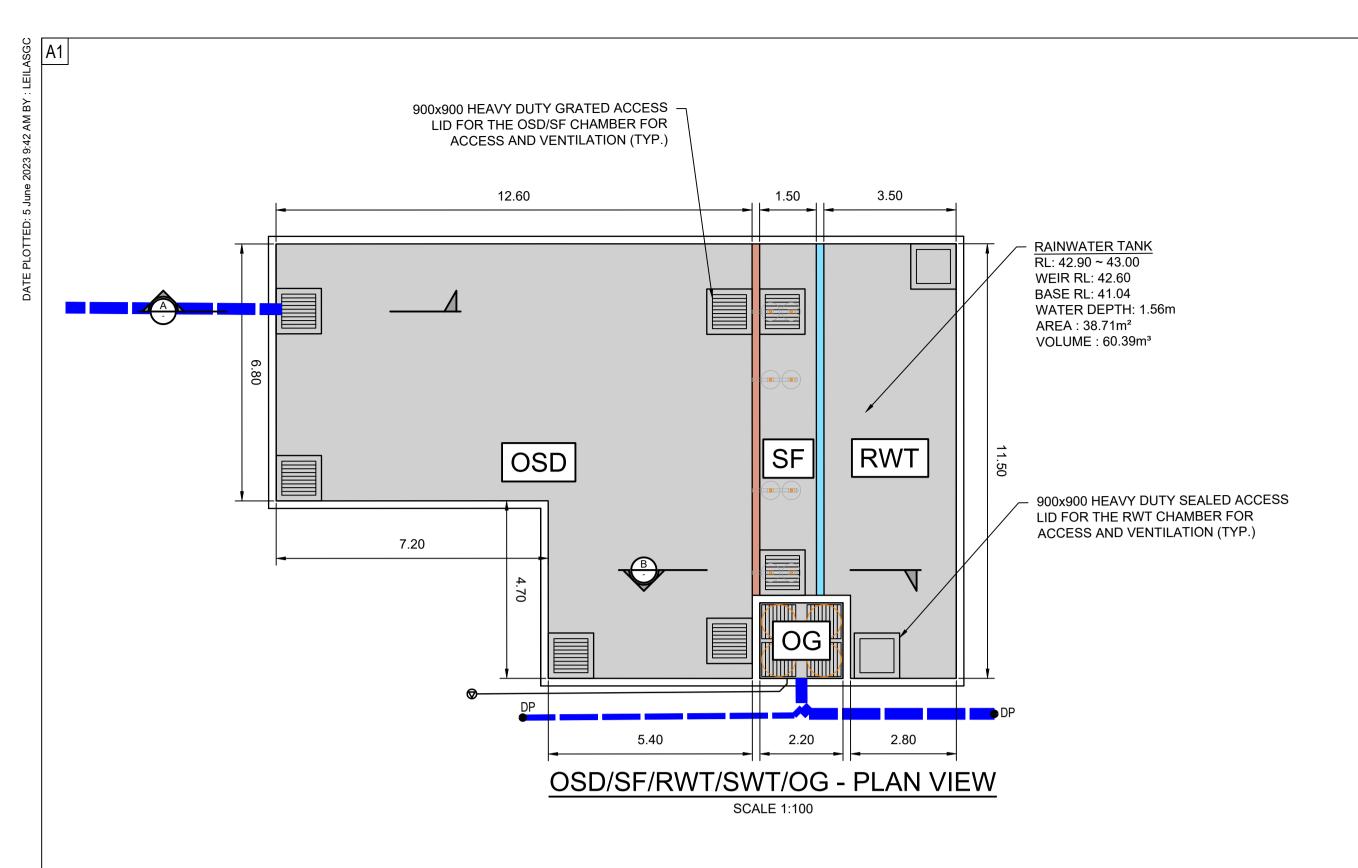






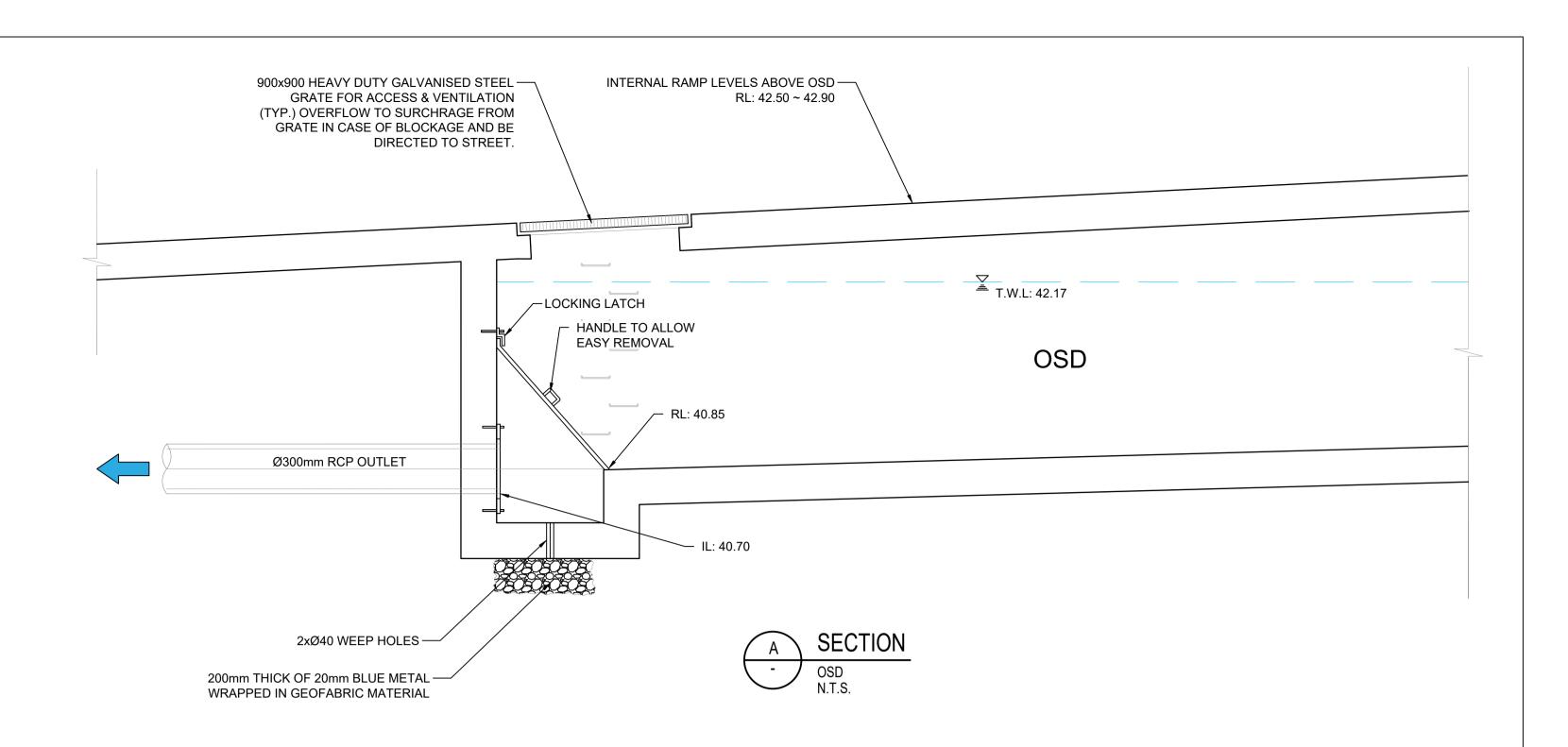


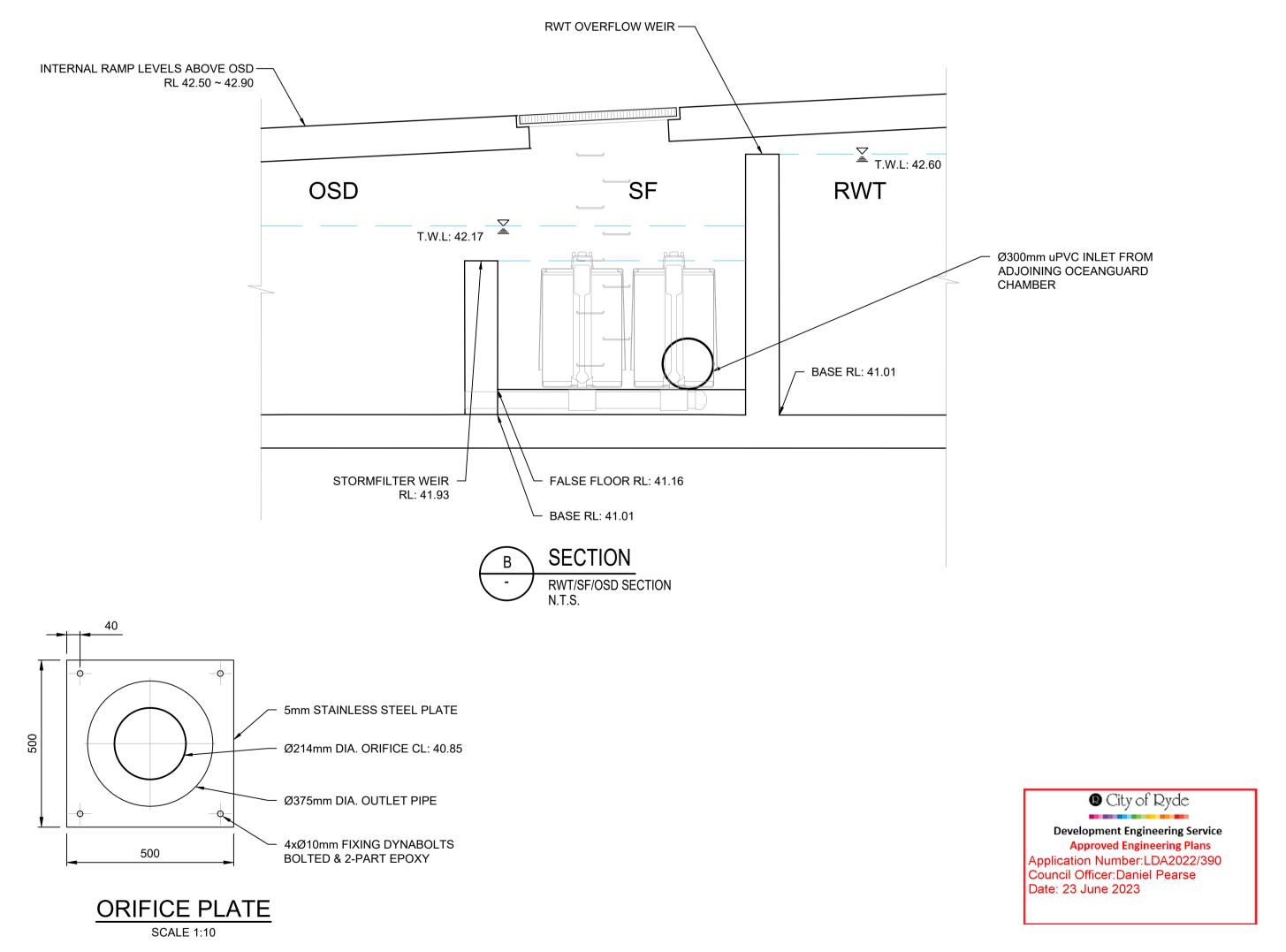


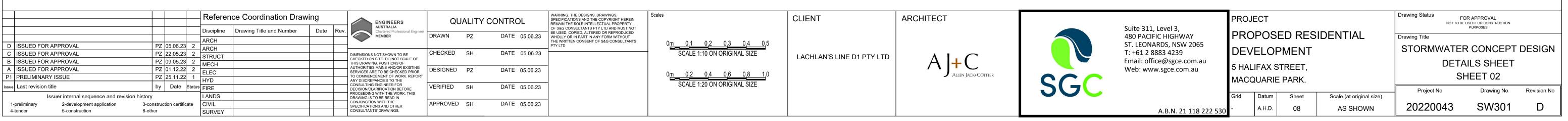


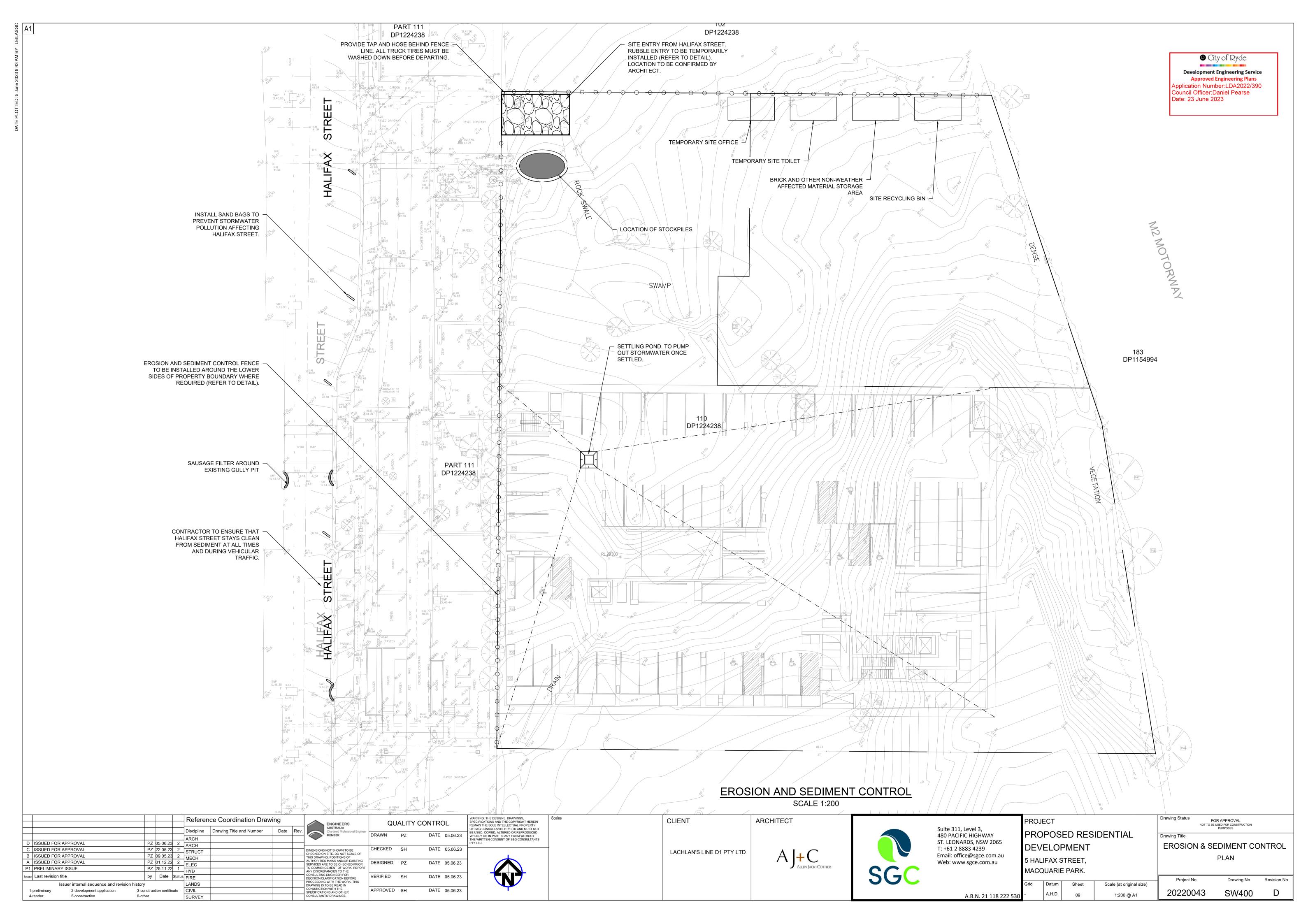
POST-DEVELOPMENT OSD REQUIREMENTS:

AREA (ha)	STORM (ARI)	PRE-DEV FLOW/PSD (m³/s)	PIPE OUTFLOW (m³/s)	WEIR OUTFLOW (m³/s)	BYPASS FLOW (m³/s)	POST-DEV FLOW (m³/s)	SSR (m³)
0.6397	5	0.123	N/A	N/A	N/A	N/A	N/A
	100	N/A	0.108	0.000	0.015	0.123	151.43







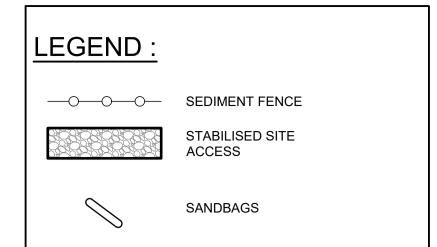


EROSION & SEDIMENTATION CONTROL NOTES

- 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 (EG. 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 MATERIALS IS PERMITTED ON THE LOWER SIDE OF THE SEDIMENT FENCE.
- 4. GRASS VERGES SHALL BE MAINTAINED 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 SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING & LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

CONSTRUCTION NOTES:

- 1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAT THE LENGTH OF THE INLET PIT
- 2. FILL THE SLEEVE WITH 25mm TO 50mm GRAVEL
- 3. FORM AN ELLIPTICAL CROSS-SECTION OF THE KERB INLET LEAVING A 100mm GAP AT THE TOP TO ACT AS AN EMERGENCY SPILLWAY
- 4. MAINTAIN THE OPENING WITH SPACER BLOCKS
- 5. FORM A SEAL WITH THE KERBING AND PREVENT SEDIMENT BYPASSING THE
- 6. FIT TO ALL KERB INLETS AT SAG POINTS

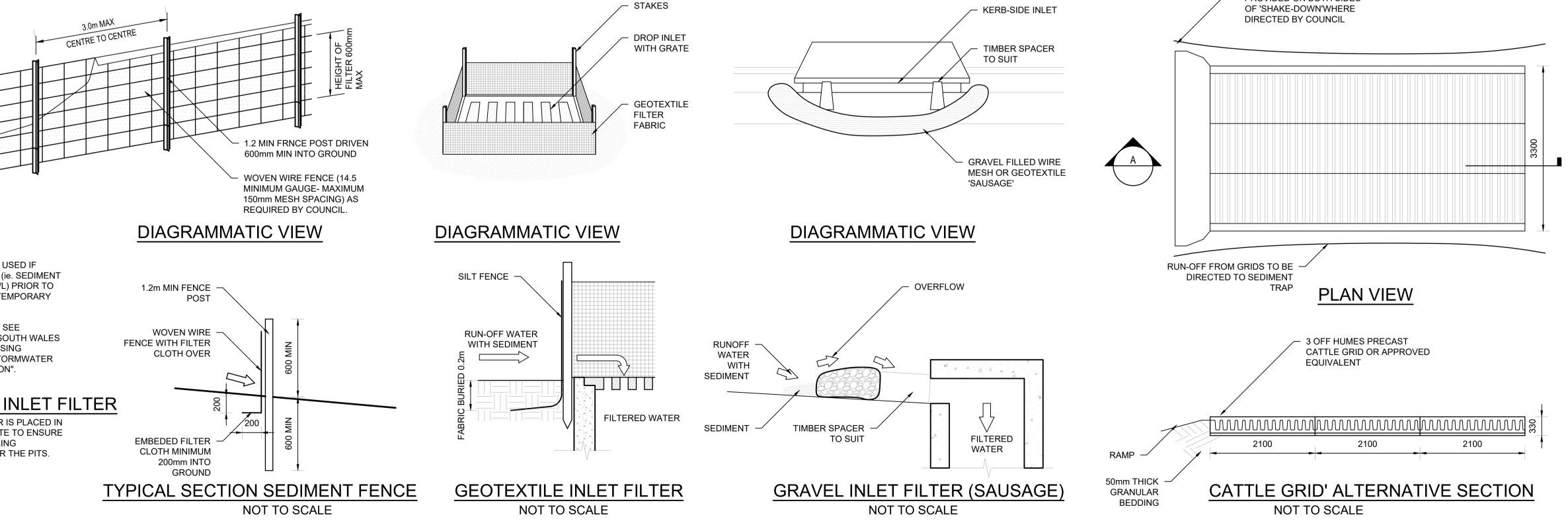


GENERAL NOTES:

- 1. THIS PLAN IS A CONCEPT PLAN ONLY FOR STORMWATER DISPOSAL & EROSION CONTROL. IT IS NOT SUITABLE FOR CONSTRUCTION. THIS PLAN SHOULD BE ADAPTED BY THE BUILDER DURING DEMOLITION, EXCAVATION & CONSTRUCTION PHASES TO ENSURE ADEQUATE PERFORMANCE.
- 2. ALL DRAINAGE LAYOUT & DETAILS ARE DIAGRAMMATIC & INDICATIVE ONLY. ACTUAL LOCATION, SIZES, LEVELS & GRADES MAY ALTER WHEN DETAIL DESIGN WORKS ARE DOCUMENTED.

CLAY SOILS:

- 1. A SYSTEM SHALL BE INSTALLED TO EITHER:
- 2. TRANSPORT STORMWATER RUNOFF WITH SUSPENDED SOLIDS FROM SITE VIA PUMP TRUCKS.
- 3. TREAT THE STORMWATER RUNOFF WITH SUSPENDED SOLIDS SO THE DISCHARGE WATER QUALITY TO COUNCIL STORMWATER DRAINAGE SYSTEM HAS A MAXIMUM CONCENTRATION OF SUSPENDED SOLIDS THAT DOES NOT EXCEED 50 MILLIGRAMS PER LITRE IN ACCORDANCE WITH THE PROTECTION OF THE ENVIRONMENT OPERATION ACT (POEO 1997) AND SHALL BE APPROVED BY LOCAL COUNCIL



SPRAY SLURRY ON SURFACE PUMP PICK-UP

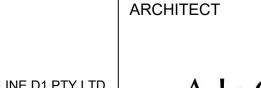
NOTE:

- 1. FLOCCULATION TO BE USED IF WATER IS NOT CLEAR (ie. SEDIMENT GREATER THAN 50 mg/L) PRIOR TO DISCHARGING FROM TEMPORARY PUMP OUT
- 2. FOR RATES & AGENTS SEE APPENDIX E OF NEW SOUTH WALES DEPARTMENT OF HOUSING "MANAGING URBAN STORMWATER SOILS & CONSTRUCTION".

GEOTEXTILE INLET FILTER

GEOTEXTILE INLET FILTER IS PLACED IN EVERY PIT WITHIN THE SITE TO ENSURE THE RUNOFF WATER DURING CONSTUCTION NOT ENTER THE PITS.

CLIENT





A.B.N. 21 118 222 530

PROJECT PROPOSED RESIDENTIAL DEVELOPMENT 5 HALIFAX STREET, MACQUARIE PARK.

N.T.S

A.H.D.

CATCH DRAIN TO BE

PROVIDED ON BOTH SIDES

FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES **EROSION & SEDIMENT CONTROL DETAILS** Project No Drawing No Revision No Scale (at original size) 20220043 SW401

City of Ryde Development Engineering Service

Approved Engineering Plans Application Number:LDA2022/390

Council Officer: Daniel Pearse

Date: 23 June 2023

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FLOCCULATION DETAIL

		Reference Coordination Drawing						
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1-preliminary 2-development application 3-construction certificate								T

PERFORATED BARREL

CONTAINING GYPSUM

DIMENSIONS NOT SHOWN TO BE DIMENSIONS NOT SHOWN TO BE CHECKED ON SITE. DO NOT SCALE OF THIS DRAWING. POSITIONS OF AUTHORITIES MAINS AND/OR EXISTING SERVICES ARE TO BE CHECKED PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE CONSULTING ENGINEER FOR DECISION/CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER CONSULTANTS' DRAWINGS.

DATE 05.06.23 CHECKED SH DATE 05.06.23 DESIGNED PZ DATE 05.06.23 DATE 05.06.23 APPROVED SH DATE 05.06.23

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MUSIC CATCHMENT PLAN SCALE 1:250

LEGEND

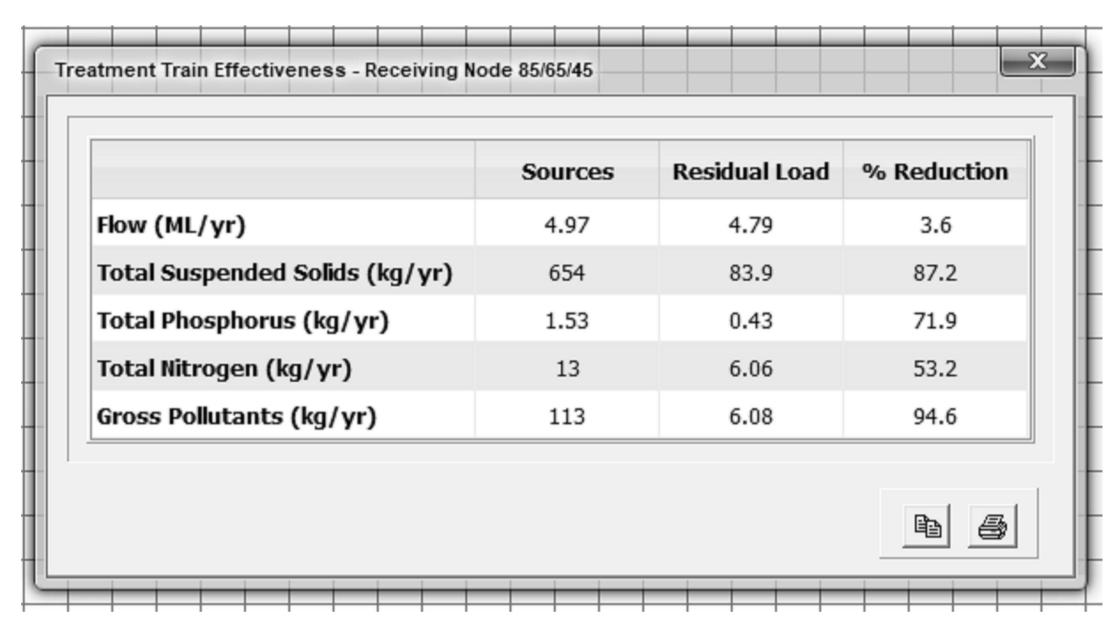
NON-TRAFFICABLE ROOF TO RAINWATER TANK

TRAFFICABLE ROOF TO OCEAN GUARD & STORMFILTER CHAMBER 396m²

HARD SURFACE TO OCEAN GUARD & STORMFILTER CHAMBER 2018m²

LANDSCAPE TO STORMFILTER CHAMBER 1924m²

TREATMENT & OSD BYPASS 277m²

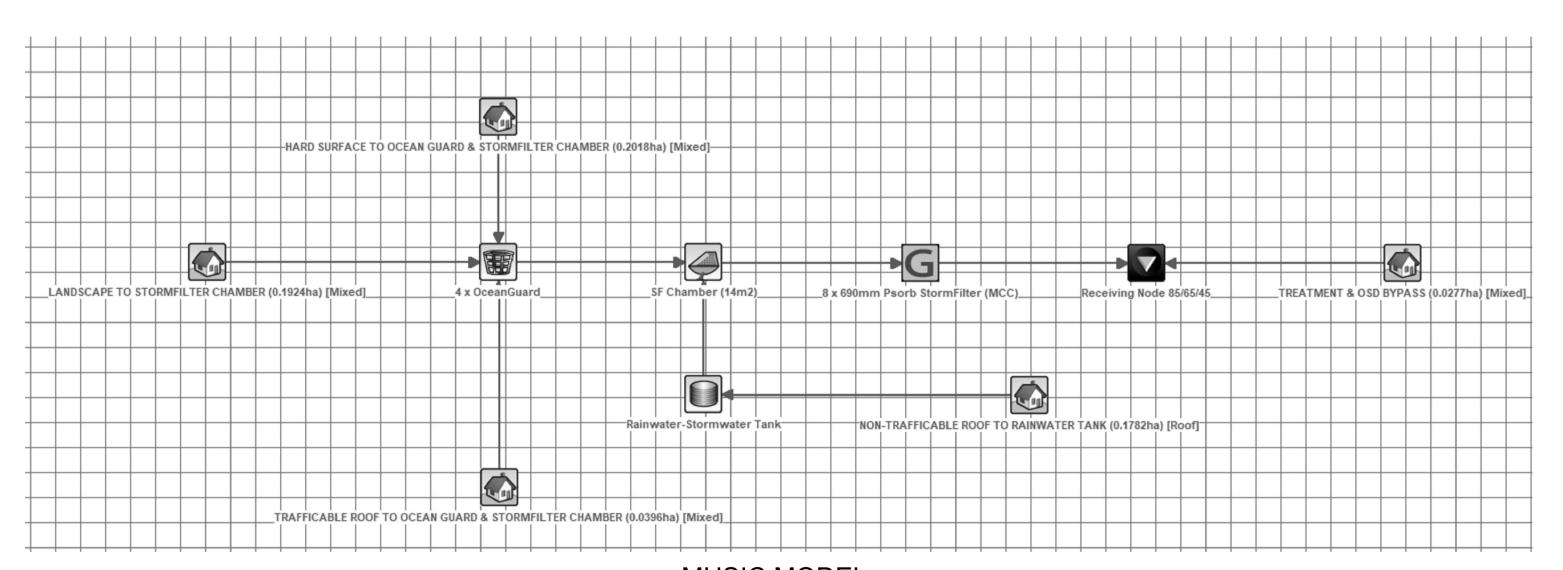


City of Ryde

Development Engineering Service Approved Engineering Plans

Application Number:LDA2022/390 Council Officer:Daniel Pearse Date: 23 June 2023

MUSIC RESULTS



MUSIC MODEL

	Reference Coordination Drawing	ENGINEERS	QUALITY CONTROL	WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF SECONDIFICIAL TRANSPORTATION AND RESPONSE.	Scales	CLIENT	ARCHITECT			PROJECT	Drawing Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
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Issue Last revision title Issuer internal sequence and revision history	by Date Status FIRE ry LANDS	DECISION/CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS TO BE READ IN	VERIFIED SH DATE 05.0	23				366		Grid Datum Sheet Scale (at original size)	Project No Drawing No Revision No
	construction certificate CIVIL SURVEY	CONJUNCTION WITH THE SPECIFICATIONS AND OTHER CONSULTANTS' DRAWINGS.	APPROVED SH DATE 05.0	23					A.B.N. 21 118 222 530	O - A.H.D. 11 1:250 @ A1	20220043 SW500 D